



भारत सरकार
खान मंत्रालय
भारतीय खान ब्यूरो
क्षेत्रीय कार्यालय, रायपुर

दूसरी मंजिल, जी.एस.आई.फील्ड प्रशिक्षण केन्द्र, महालेखाकार आफिस कोम्प्लेक्स,
पोस्ट -विधानसभा, रायपुर-(छ.ग),- 492005, फोन 0771-2282530.

संख्या: रायपुर/चूप/खयो-1110/2017-रायपुर

दिनांक - 22.08.2017

प्रेषित : श्री अशोक सरिन,
सी - 23, सेक्टर- 3,
देवेन्द्र नगर, रायपुर,
छत्तीसगढ़ - 492009

विषय: खनिज (परमाणु और हाइड्रोकार्बन ऊर्जा खनिजों से भिन्न) रियायत नियम 2016 के नियम 17(2) एवं खनिज संरक्षण एवं विकास नियमावली, 2017 के नियम 23 के अंतर्गत प्रस्तुत निकट ग्राम - मढी, तहसील - टिल्डा, जिला - रायपुर (छग) में स्थित मढी चूना पत्थर खान, क्षेत्रफल - 10.117 है.) की खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बंद करने की योजना की प्रस्तुति।

महोदय,

आप द्वारा प्रस्तुत उपरोक्त क्षेत्र की खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बंद करने की योजना की जांच व खान निरीक्षण के उपरांत इसमें कमियां/त्रुटियों पाई गई हैं। संलग्नक में दर्शाई गयी कमियों/त्रुटियों को सुधारते हुए खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बंद करने की योजना की (3) तीन स्वच्छ बाउण्ड प्रतियां एवं 2 सॉफ्ट कॉपी (CD) इस पत्र के जारी होने की तिथि से पंद्रह (15) दिनों की अवधि में इस कार्यालय में प्रस्तुत करें तथा यह भी सुनिश्चित करें कि तीन स्वच्छ प्रतियों के प्रत्येक पृष्ठ पर अर्हित व्यक्ति द्वारा हस्ताक्षर कर दिये गये हैं। तथा बिन्दुवार कमियां सुधार का विवरण भी प्रस्तुत करें।

आपको यह भी सलाह दी जाती है कि आप खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बंद करने की योजना की जांच व खान निरीक्षण के उपरांत इसमें कमियां/त्रुटियों पाए जाने की स्थिति में यह आपको संशोधनार्थ न लौटाते हुए इस पर अंतिम कार्रवाई कर दी जायेगी।

आप कृपया खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बंद करने की योजना के साथ प्रस्तुत की जाने वाली वित्तीय आश्वासन एम सी डी आर 2017 के अनुसार पाँच वर्ष की अवधि का (Financial Assurance) क्षेत्रीय खान नियंत्रक, भारतीय खान ब्यूरो, रायपुर के पक्ष में प्रस्तुत करें। वित्तीय आश्वासन के अभाव में खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बंद करने की योजना अपूर्ण मानते हुए अंतिम कार्रवाई कर दी जाएगी।

भवदीय,

संलग्न: यथोपरि

(बी एल. गुर्जर)
क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो

प्रतिलिपि:

1. खान नियंत्रक (मध्य), भारतीय खान ब्यूरो, नागपुर। (ई मेल द्वारा)
- 2- Shri R K Jha, SNMIC, Vidhansabha Road, Saddu, Raipur, District - Raipur - 492014

क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो

Scrutiny comments on the Modification of Mining Plan for Marhi Limestone Mine over an extent of 10.117 Hectors in Marih Village, Tehsil-Tilda , Durg Raipur t in favour of of Shri Ashok Sarin

1. There is no information furnished on Existing/valid EC permission in the page information at a glance and on the other Para 5.23 it is said EC has been obtained. The same should be clarified and clearly mentioned EC for limestone production is there or not and if not then it is in which stage. The document in support should be enclosed.
2. Precise area map has not been submitted duly authenticated by state government authorities with DGPS coordinate.
3. In the document the rule under MCDR, 1988 should be replaced by MCDR, 2017.
4. Surface rights held in respect of land covered under the land schedule of the lease area should be furnished. As seen during the site inspection, there was some encroachment within the lease area. Proper care should be taken while working nearby those areas to avoid any danger to public safety.
5. **General:-** para 2.4 correct IBM registration no may be furnished..
6. As per new Rule there is no provision of RQP for preparation of Mining Plan therefore the RQP word should be replaced with QP whereas mentioned .
7. The boundary pillar co-ordinates finished in the plan should be clearly mentioned that it is mentioned that it is DGPS co-ordinates or GPS and also mentioned whether in WGS-84/Indo-Bangla/others and also it is authenticated by State Govt.(DGM) or not.
8. **Review of Earlier Approved document:** In the given Para the information should be furnished for the proposal given in last approved document and the after that upto last year but in this only last five years mentioned. The proposal given and achievement is having some gape but still no information furnished in remarks column. The same should be corrected.
9. In the certificate it is mentioned that certificate by RQP, as mentioned above point that there is no provision on RQP so the same should be replaced by qualified person.
10. **Geological Reserves:** The reserves are not furnished according to proper UNFC codification thereby mentioning cut off grades and threshold values considered for the estimation. For the purpose of ascertaining the UNFC code following procedure may be adopted –
 - (i) Identify the category of your deposit as per UNFC guidelines (out of category I to IV)
 - (ii) Classify status of exploration based upon the parameters furnished under the specified table for Geological Axis i.e. G1, G2, G3, G4 etc. and also mark it on relevant plan & sections.
 - (iii) Now based on the stage of your study identify status of Feasibility Axis as per the relevant table i.e. F1, F2 or F3.
 - (iv) Based on the information contained in Prefeasibility or Feasibility study, furnish the cost benefit analysis for Economic Viability i.e. E1, E2 or E3.
 - (v) Combining EFG axis will give the relevant UNFC code for reserve and resources.
 - (vi) Few vital parameters such as depth consideration, bulk density, recovery and geological axis have not been discussed in Para.
11. The area G1 & G2 should be marked as per Minerals (Evidence of Mineral Contents) Rules, 2015. The exploration done in the ML as mentioned is with prior intimation and if form-J is submitted or not and also the same should be enclosed and also form-k as per the format and authenticity. In the future proposal the exploration is proposed for 4 core bore holes of 30 meter and total meterage of 120 meter but it is mentioned 80 meter ,the same to be corrected and also proposal should be given upto the continuity of limestone.
12. The reserve approved in last approved document in 111 is changed to 121 & 122, the same should be clarified and accordingly correction to be done. The grade of the reserve establish is missing in the table.

13. **Mining:** The actual production in last five years given 1470 MT but proposal is given for 50000 MT/year. The reason for enhancement of production and change of method of mining (category) proposed to be discussed elaborately taking into consideration systematic mining, mineral conservation and protection of mine environment.
14. **Use of Mineral:** In the given Para it is mentioned that limestone produce in this mine is supplied to different industries. The name/type of industry with quantity and specification to be mentioned and also enclosed order copy.
15. **Site services:** In the given Para for statutory requirement there are so many facilities include first aid station, rest shelter, drinking water facilities, etc describe but the same is not reflected in any plan and nether the area is considered for calculation for financial assurance nor seen during mine visit. The proposal should be given as per Mines Act.
16. **Disaster Management plan:** A proper Disaster Management Plan based on the risk assessment and clearly indicating the chain of activities along with the name and designation of key persons with infrastructure (**hospital**, fire station, police station, etc.) should be furnished. The contact no. of the responsible person to be given.
17. **Plat no.I (key plan): The details of the deficiencies found on the plate are as follows**
 - (i) The road to be marked with different colour line differentiating whether it is village, public road, highway, etc and also it should marked properly in index.
 - (ii) Contours should be clearly visible at not more than 20 meter intervals and should be index.
 - (iii) The forest area, govt. land, agriculture land, etc should be marked in the plate and also in index. The adjacent lease and other things to be shown and index.
 - (iv) The plate to be indexed properly, different colour code should used for showing different features. The index shown is not visible.
 - (v) Population of the villages falling within 5 km radius to be furnished in tabular form. The plate should be revised.
18. The lease sketch is signed by nayab tahsildar and authentication done by DGM, Chhattisgarh therefore it is not legible. The plate should be revised accordingly.
19. **Surface Plan:** During the field visit no such pit was observed with 3 meter depth and dimension shown in the plan near crusher. The area to be surveyed properly and accordingly the correction to be done. The date of survey and sign and name of surveyor is missing in the plate.
20. **Conceptual Mining Plan:** A proper conceptual plan based on the long term design parameters of the mine covering all the mining and allied activities has not been furnished. All the activities should be furnished with extent of area and quantity involved in the form of 5 yearly blocks up to the lease period. In the plan the subgrade dump area is shown as conceptual year dump. The same should be review and accordingly the plate should be revised.
21. **Geological plan & section:** The samples collected should be representative. Check analysis of atleast 10% of samples (as per MEMC rules, 2015) may be analyzed from third party NABL accredited/or department of science & technology (DST)/BIS recognized laboratories or government laboratories for assessing the acceptable levels of accuracy and same should be enclosed.
22. As per the analysis report annexed BH-01 & BH-07 it is not limestone and taking into consideration the reserves to be established and accordingly should be revised and sample analysis location should be marked on the plan. The lithology should be shown in geological plan & section.
23. **Development Plan & Section:** The working plan should be proposed with proper advancement with top and bottom RL. The haul road not shown from working face to dump and subgrade mineral stack. The production proposal should be given in G1 & G2 area only therefore as per revised geological plan the proposal should be revised.

24. **Financial assurance:** : The table showing the extent of area for mining and allied activities to be considered for computation of financial assurance is also should be shown in the plate as per prescribed format. All the land use activity should be indexed properly including the mining area and allied activities. The area furnished for of top soil dump is missing.
25. **Environment plan:** The plate should be enclosed as per Rule 31(5) (b) of MCDR 2017 and it should contain only the existing features and not the proposal. The environment monitoring points are not shown in the plates for core and buffer zone. In the plate existing tree is index but the same is not shown in the plan and also the adjacent leases and pits not shown and others infrastructure with in 500 meter.
26. **Reclamation Plan:** In the given Plan the area proposed for production in next two year is shown as reclaimed area. The area is proposed to mined upto 276 RL and as per geological plan limestone is shown upto 270 RL. The same should be clarified that how without exhaustion of mineral and without giving proposal for backfilling area reclaimed.
27. All the plates should be index properly as the features shown in the plan with the same colour code for clarity and signed with date.