



भारत सरकार

खान मंत्रालय

भारतीय खान ब्यूरो, क्षेत्रीय खान नियंत्रक कार्यालय, रायपुर  
दुसरी मंजील, जीएसआई फील्ड प्रशिक्षण केन्द्र, महालेखाकार आफिस कोम्प्लेक्स,  
पोस्ट -विधान सभा, रायपुर- (छ.ग)-492005, फोन- 0771—2282530/2285590/95  
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संख्या: दुर्ग/चूप/खयो-1246/2020-रायपुर

दिनांक - 21.10.2020

प्रेषित : सर्वश्री सिंघानिया मिनरल्स,  
द्वारा ए सी सी लिमिटेड,  
जामुल सीमेन्ट वर्क्स  
पोस्ट - दुर्ग, जिला - दुर्ग,  
छत्तीसगढ - 490 024

**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 - मेडेसरा, तहसील - धमधा, जिला - दुर्ग (छग) में स्थित मेडेसरा चूना पत्थर खान, क्षेत्रफल - 17.90 है. की खनन योजना 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 जाँच 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।

खनन पट्टे के सीमा स्तम्भ के डीजीपीएस कोर्डनेट की शेफ / के.एम.एल फाईल एवम वर्षवार खदान फेस की स्थिति के लेयर की शेफ / के.एम.एल फाईल भी सीडी मे प्रस्तुत करें।

आपको यह भी सलाह दी जाती है कि आप खनन योजना का पुनर्विलोकन सह उत्तरोत्तर खान बंद करने की योजना की तीन स्वच्छ बाउण्ड प्रतियां पूर्ण सावधानी से तैयार करें अन्यथा पुनः कमियां/त्रुटियां 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. श्री संजय कुमार शर्मा , सर्वश्री सिंघानिया मिनरल्स, द्वारा ए सी सी लिमिटेड, जामुल सीमेन्ट वर्क्स, पोस्ट - दुर्ग, जिला - दुर्ग, छत्तीसगढ - 490 024

क्षेत्रीय खान नियंत्रक  
भारतीय खान ब्यूरो

Scrutiny comments on examination of Review of Mining Plan including PMCP of Medesara Limestone Mine over an area of 17.90 Hect. of M/s Singhanian Minerals Private Limited (M/s ACC Limited) in Durg District of Chhattisgarh State inspected by Shri S. Kartikeya, Jr. Mining Geologist on 15/10/2020

- 1) **General oversight & Cover Page:** (a) The term 'Applicant' may be replaced with the term 'Lessee'. (b) Number of years may also be mentioned along with the lease period. (c) Every new chapter should be started from a new page.

#### **1.0 Introduction**

- 2) Page no. 2: Details of the Captive Plant along with its present capacity and requirement of the Limestone may be discussed here.

#### **2.0 General Information**

- 3) Page no. 3: (a) Complete address of the lessee and their corresponding address may be mentioned. (b) Instead of email address and the phone number of the qualified person appropriate email id of the Nominated Owner along with the Phone and Fax Number should be mentioned.

#### **Chapter No. 3.0 Location and Accessibility of the Area/Mine**

- 4) Page no. 5; Para 3.8: The following information may also be incorporated in this chapter :- (a) Name & distance of Medesara Village from the mine/deposit (in Km). (b) Source of water.
- 5) Page no. 6; Para 3.12: Whether the given co-ordinates of lease boundary pillars are authenticated by the Competent Authority of the State Government or yet to be authenticated. Same may be mentioned clearly.

#### **6 Review of Earlier Approved Proposals**

- 6) Page no. 10: (a) Review chapter should be updated up to September/October 2020. (b) Instead of last two financial years this chapter should review and cover the proposal and its achievement of last five years. Hence necessary information may be incorporated accordingly. (c) All the mentioned figures under this chapter should cover atleast up to two decimal for more accuracy. (d) Para 5.3: To identify the area of development, year wise co-ordinate range may be given.
- 7) Page no. 11; Para 5.14: Incorrect information has been given in this para, as most of the generated Waste/OB has been proposed for backfilling along 7.5 m barrier where the mineral has been mined out earlier. Hence appropriate information along with the area and location of backfilling should be given.
- 8) Page no. 12; Para 5.21: Some places along the 7.5 m barrier where the mineral has been mined out earlier, should be considered under utilization and the area should be calculated for financial assurance in the present document as well.

#### **6.0 Geology and Exploration**

- 9) In this chapter, dimension of the deposit/belt (describing strike length, width, depth, thickness of the deposit, either of the belt and/or of individual lenses, veins, bands, pockets etc.) should be given along with the length (in Km), Minimum, Maximum and Average Width (in Meters) should be given.
- 10) Physical and Chemical characteristics of Limestone Upper, Magnesia Shaley Limestone, Limestone Lower and Magnesia Limestone are to be described with supporting analytical results.
- 11) Page no. 16; Para 6.2.1: Dip amount of 20 to 50 degree towards North is incorrect. Hence dip amount may be cross checked and corrected accordingly.
- 12) Page no. 19; (a) Para 6.5: Financial Year should be mentioned for the drilling of 14 nos. of boreholes. (b) Para 6.7: Out of 616 nos. of samples, how many samples have been analysed

from the NABL accredited laboratory, may be mentioned. **(c)** For justification of the average grade of the Limestone, few quarry samples may also be analysed from the NABL accredited laboratory and the report should be submitted.

- 13)** Page no. 20: **(a)** Para 6.9: Based on the exploration data and the analytical results of the boreholes and surface/grab samples, minimum, maximum and the average range of all the analysed radicals may be given. **(b)** Para 6.12(d): Average depth considered for estimation may also be mentioned. **(c)** Para 6.12 (e) & (g): Nomenclature/classification of the above 34% CaO up to below 42% CaO should be described. Whether this category of ore/mineral will be treated as Mineral Reject/ Mineral Sub-grade, may be mentioned.
- 14)** Page no. 23: (a) Para 6.17.1: For computation of the Cost of Production, depreciation cost should be added in the calculation. Hence, necessary correction may be done. **(b)** Para 6.17.3: Difference in the amount of the Cost of Production and the Ex-Mine Price may be justified. **(c)** Para 6.18: Average grade percentage or all the radicals may be given. **(d)** Reserve and Resource should be established as on 01/04/2021.
- 15)** Page no. 24 Para 6.20: Future Exploration Programme: During the study of the borehole logs it has been found that most of the boreholes have been closed/terminated in the limestone. Hence, the present drilled boreholes are not indicating the depth wise mineral persistency in the area. Therefore, the following parameters may be considered for the proposal of future exploration programme:
- a)** The entire mining lease area should be explored under G1 axis during this Review period.
  - b)** Exploratory boreholes to be proposed up to 300 meters or up to discontinuance of ore body, whichever is earlier.
  - c)** Year wise proposal for the future exploration plan may be given.
  - d)** GPS (WGS84; degree minute second) co-ordinates of all proposed boreholes may be given along with the reason for site selection and ground RL.
  - e)** All the proposed boreholes may be marked in the geological plan with distinct colours for each year proposal.

### **7.0 Mining**

- 16)** Page no. 24; Para 7.1 (ix): Year wise range of the UTM co-ordinates should be given for proposed development during next five years.
- 17)** Page no. 26; Para Year Wise Development Proposal: All the referred location does not reflect the appropriate extraction and advancement of benches to achieve the production target. Hence, in view of the Systematic, Scientific and Sustainable Mining all the cross sections For each section of ML no grid reference also may be mentioned.

### **9.0 Mine Drainage**

- 18)** It must be ensured that the mine water should not be discharged from the lease area up to the drainage system without its treatment. Regular monitoring of the water quality at discharge point must be proposed and appropriate record should be maintained. Accordingly proposal needs to be given.

### **10.0 Stacking of Topsoil, Mineral Reject and Disposal of Waste**

- 19)** During inspection it has been observed that the Stacking of Limestone is being done in between UTM Co-ordinates N2364200 to N2365300 and E539500 to E539600 before dispatch hence, proposal for Stacking of Produced Limestone may be given and the utilised area should be calculated for Financial Assurance. Location should be marked in all the relevant plates.
- 20)** Page no. 33: It must be ensured that the backfilling is to be done through the generated Waste/OB during Review Period, hence, backfilling is to be done on priority basis and the backfilling process must be continued until it reaches feasible height.

The void area in CuM may be mentioned in text, where the backfilling will be done during Review Period.

**Enclosures:**

- 1) Copy of the Supplementary Mining Lease Deed for extended period may be enclosed.
- 2) Certificate of educational qualification of Shri Sanjay Kumar Sharma (Qualified Person) as specified under Rule 15 of MCR (OAHEM), 2016 may be enclosed.
- 3) Experience certificate as specified under Rule 15 of MCR (OAHEM), 2016 of both the Qualified Persons may be enclosed.
- 4) Annexure No. 4: Shri Ramaswami Kalidas, Director, who has signed the Board Resolution, is not in the list of Board of Directors. Hence, appropriate Board Resolution for declaration of the Nominated Owner may be enclosed.
- 5) All annexure as per list given may be enclosed.

**Plates:**

- 1) **Plate I; Key Plan:** Co-ordinate range of the mining lease area may be drawn.
- 2) **Plate III; Surface Plan:** (a) UTM Co-ordinates and grids are to drawn in dark colour to know the locations. (b) Dark solid blue colour line may be described in the Index. (c) Statutory restriction may be specified with different patterns. (d) 7.5 m barrier zone may be marked and shown in the index.
- 3) **Plate IV; Geological Plan:** (a) Since most of the lease area is mineralised and it has been proved through the exploration, hence, an appropriate pattern for limestone occurrence in the lease area may be shown. Further where the mineral is covered/capped with the topsoil/OB may be marked with specific symbols over the limestone pattern. (b) Ultimate Pit Limit, Structural Features and Outcrops of Limestone are to be marked.
- 4) **Plate V; Geological Cross Sections:** (a) Pattern for OB/Waste may be filled. (b) Without subsurface exploration data, mineral existence below drilled depth may not be considered. and it may be restricted up to drilled borehole depth. (c) 7.5 m barrier zone has not been marked. (d) Infrastructure, House Building, Dumps, Haul Roads etc. are to be shown in the sections wherever it is applicable.
- 5) **Plate no. VIA to VIE; Production and Development Plan:** (a) Proposed development in the F.Y. 2020-21 may be marked in dotted line for reference. (b) 7.5 m barrier zone has not been marked. (c) With single cross section, the proposed development could not be identified; hence, all the section ML no falling in working zone with UTM grid lines reference may be prepared for depicting yearly progress..
- 6) **Plate no. VII; Environment Plan:** (a) 500 m circle and the Magnetic North have not been marked. (b) Pumping stations and the courses of discharge of mine water may be marked.
- 7) Conceptual sections should be drawn.
- 8) Financial Assurance Plan- Area considered for calculating of financial assurance in respect of excavation and overburden dump and other items have not been depicted in figures in different blocks in plate.

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