



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-1248/2020-रायपुर

दिनांक - 27.10.2020

प्रेषित : सर्वश्री के बी लाल श्रीवास्तव एंड संस,
जी-4, आदर्श नगर, पोस्ट - दुर्ग, जिला - दुर्ग,
छत्तीसगढ़ - 491 001

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 - 12.85 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।

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 अरविंद कुमार सिंह, सिद्धार्थ जियो कंसलटेंट्स 621/3, रामकुण्ड समता कोलोनी, लाइफवर्थ हॉस्पिटल के पीछे, रायपुर छत्तीसगढ़।

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 12.85 Hect. of K. B. Lal Shrivastava & Sons (HUF) in Durg District of Chhattisgarh State inspected by Shri S. Kartikeya, Jr. Mining Geologist on 16/10/2020

- 1) **General oversight & Cover Page:** (a) Mine Code should be mentioned on the cover page. (b) The term 'A' Other Category Mine may be replaced with the term Category 'A' Fully Mechanised Mine in all the relevant places of the submitted document. (b) lessee should be as per lease deed agreement , suffix 'M/s' from the name of the lessee may be removed from the cover page as well as from all the relevant places of the submitted document. (c) The term 'Applied Area' may be replaced with the term 'Lease Area' in all the relevant places in the document.
- 2) Page-4- Area utilisation yearwise is given Nil. The actual area under use for various items may be furnished.

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

- 3) Page no. 9; Para 3.6: Distance from the village Medesara and from the Tehsil Dhamdha upto mining lease area may be given.
- 4) The following information may also be incorporated in this chapter para 3.9 :- (a) Name & Distance from National Park (in Km). (b) Name & Distance from Archaeological Monument (in Km). (c) Name & Distance from wild life sanctuary (in Km). (d) Name & distance from firing range (in Km). (e) Name & distance from Ordnance factory (in Km). (f) Name & distance of the Power Grid (in Km). (g) Name & distance of Medesara Village from the mine/deposit (in Km). (h) Source of water.
- 5) Page no. 10; Para 3.11: Range of the co-ordinate From to To may be given. As mentioned in the page no. 11, that the co-ordinates are authenticated by the State Government Authorities (Refer Plate No. 3), whereas, Plate no. 3 is not signed and authenticated by the Competent Authority of the State Government. Hence, false statement may be removed and authenticated information may only be mentioned in the document.

5.0 Review of Earlier Approved Proposals

- 6) Page no. 13: Review chapter should be updated up to October 2020.
- 7) Page no. 14; Para 5.14: Year wise proposal and its achievement for Plantation may be given.
- 8) Page no. 15; Para 5.22: An amount of submitted Financial Assurance in the form of Bank Guarantee may be cross checked and corrected accordingly. Further, BG no., Date and validity may also be mentioned.

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).
- 10) Physical and Chemical characteristics of Pink, Purple Stromatolitic Limestone, Gray Limestone and Pink, Purple, Gray Shaley Limestone, Limestone are to be described with the supporting analytical results.
- 11) Page no. 19; Para 6.4.3: Since none of the samples have been analysed during last Review period, hence, 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 enclosed as supporting. All the drawn sample locations may be marked in the Geological plan for reference.
- 12) Page no. 20: (a) Para 6.4.5: Since it has been mentioned that the entire 12.85 ha. mining lease area has been explored under G1 axis, where as in this estimation table no. 6.5.8,

estimation has been done under G2 and G3 axis. Hence, same may be justified. **(b)** Para 6.5.1: 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. **(c)** Para 6.5.1: Average depth in meters considered for estimation may also be mentioned.

- 13)** Page no. 23; Para 6.5.8 **(a)** Reserve and Resource should be established as on 01/04/2021. Para 6.5.8: Average range of all the analysed radicals may be given of the estimated reserve and resource.
- 14)** Page no. 24 Para 6.6: 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

- 15)** Page no. 25; Para 7.1: **(a)** Year wise range of the UTM co-ordinates should be given for proposed development during next five years.
- 16)** Page no. 26; Para 7.2.1 **(a)** All the calculation should be based on the cross sectional area proposed for excavation during every financial year. **(b)** Changes in the RL during development and production may be mentioned.
- 17)** Page no. 27: The correct stripping ratio has been calculated as 5% of waste will be generated from the ROM every financial year, hence, calculation of stripping ratio may be corrected.

9.0 Mine Drainage

- 18)** During inspection, it has been observed that the southern part of the lease area is water logged up to 270 RL and without dewatering of the quarry; mineral production could not be achieved. Hence, 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.

10.0 Stacking of Topsoil, Mineral Reject and Disposal of Waste

- 19)** Location of the mineral stock yard should be mentioned in the text.

14.0 Progressive Mine Closure Plan

- 20)** Page no. 57; Para 14.3.12: During inspection it has been observed that almost entire 12.85 ha. lease area has been utilised under different heads. Hence, Financial Assurance in the form of Bank Guarantee may be submitted for the entire lease area, excluding the area calculated for green belt.
- 21)** Year wise plantation and area in ha. covered for plantation may be given in tabular form.

Enclosures:

- 1) Consent Letter: Statement for compliance of CCOM Circular 2/2010 may be cross checked and corrected according to the facts.
- 2) Instead of Final year mark sheet, Post Graduate Degree of the qualified person may be enclosed as specified under Rule 15 of MCR (OAHEM), 2016.

Plates:

- 1) **Plate I; Key Plan:** Co-ordinate range of the mining lease area may be drawn.
- 2) **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 wherever the mineral is covered/capped with the topsoil/OB may be marked with specific symbols over the limestone pattern. (b) Ultimate Pit Limit and Outcrops of Limestone are to be marked.
- 3) **Plate V; Geological Cross Sections:** (a) 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. (b) With single borehole data lateral influence up to G3 axis may not be considered. Further, Lateral influence may be considered up to G1 level only. (c) Infrastructure, House Building, Dumps, Haul Roads etc. are to be shown in the sections wherever it is applicable. (d)
- 4) **Plate no. VIA to VIE; Production and Development Plan:** (a) During study of the document it has been observed that the development and mineral production have been proposed in an irregular and unscientific manner. Hence, in view of the Scientific, Systematic and Sustainable Mining, the proposal should be given for excavation from one location to another in continuous manner. Accordingly the proposal may be modified. (b) UPL may be marked in all the relevant plans and sections. (c) Bench RL may be shown in all the sections. (d) Proposed development in the F.Y. 2020-21 may be marked in dotted line for reference.
