



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: BAST/LST/MPLN-1063/2017-RPR

दिनांक -08/02/2017

प्रेषित : श्रीमति अर्चना दास पनि श्री दुशंत दास  
मकान न 44, वर्धमान नगर, राजनांदगांव  
छत्तीसगढ़ -491441

विषय: खनिज (परमाणु और हाइड्रोकार्बन ऊर्जा खनिजों से भिन्न) रियायत नियम 2016 के नियम 17(3) एवं खनिज संरक्षण एवं विकास नियमावली, 1988 के नियम 23 (बी) के अंतर्गत प्रस्तुत निकट ग्राम – बंकाल, जिला – राजनांदगांव, (छग) में स्थित बंकाल मौलिंग सेंड खान, क्षेत्रफल—4.85 है.) की खनन योजना का उपांतरण सह उत्तरोत्तर खान बंद करने की योजना की प्रस्तुति।

महोदय,

आप द्वारा प्रस्तुत उपरोक्त क्षेत्र की खनन योजना का उपांतरण 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 उपांतरण 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 उपांतरण 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 उपांतरण सह उत्तरोत्तर खान बंद करने की योजना के साथ प्रस्तुत की जाने वाली वित्तीय आश्वासन पॉच 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 उपांतरण सह उत्तरोत्तर खान बंद करने की योजना अपूर्ण मानते हुए अंतिम कार्रवाई कर दी जाएगी।

भवदीय,

संलग्न: यथोपरि।

( बी एल गुर्जर )  
उप खान नियंत्रक एवं प्रभारी अधिकारी  
भारतीय खान ब्यूरो

प्रतिलिपि:

1. खान नियंत्रक (मध्य), भारतीय खान ब्यूरो, नागपुर। (ई मेल द्वारा)
2. श्री सुलभ सहा एचआईजी-21 हुडको कॉलोनी, अमदी नगर भिलाई-491441

उप खान नियंत्रक एवं प्रभारी अधिकारी  
भारतीय खान ब्यूरो

**Site inspection report cum scrutiny comments on examination of Modification of Mining Plan including PMCP of Bakal Runner Moulding Sand Mine over an area of 4.085 ha in Village-Bakal, Tehsil & District-Rajnandgaon(C.G.) submitted under Rule 17(3) of MCR, 2016 on behalf of Smt. Archana Das. The area was inspected by Shri S. Kartikeya, JMG on 25/01/2017.**

**General Oversight:**

- 1) Coordinates written in the document for pillar no. BP-1 and BP-2 is not matching with the GPS Coordinates during cross verification.
- 2) Front Page: Lease period may be written as per lease deed. Further as per MMDR, 2015 supplementary or new lease deed with extended period has not been submitted with the document.
- 3) During inspection, the quarry was completely water logged; therefore mineral persistency below water could not be ascertained.

**Deficiencies:**

**Text**

**Chapter 2.0 General**

- 4) Page No. 3: Email address of the lessee has not been written.

**Chapter 3.0 Location and Accessibility of Area/Mine**

- 5) Page No. 5; Para 3.4 Period/Expiry Date: Lease period may be written as per lease deed.

**Chapter 4.0 Details of Approved Mining Plan/Scheme of Mining**

- 6) Page No. 7; Para 4.1: Details of the lapse period of the document with their relevant reason may be incorporated in this para i.e. 2009-10 to 2016-17.

**5.0 Review of Earlier Approved Proposal**

- 7) In this Chapter, the actual work done during year 2009-10 to 2016-17 may also be incorporated in all aspect.
- 8) Page No. 9; Para 5.8: Since some quantity of the mineral has been produced in the year 2014-15 to 2016-17, therefore the para stripping ratio may not be left blank.
- 9) Prior permission for plantation in other places by the village panchayat may be accorded and the same may be enclosed as annexure.
- 10) Page No. 11; Para 5.18: All the violations issued by the Indian Bureau of Mines, time to time have not been mentioned. Further, a copy of the compliance letter/report submitted to IBM may also be enclosed with their present status of the compliance (Details of the filed Court Cases or Suspension).

**Chapter 6.0 Geology and Exploration**

- 11) Page No. 17; Para 6.6 Local Geology: Detailed para genesis of the moulding sand may be given. The difference between Ordinary Sand and Moulding Sand may be discussed here with the appropriate supporting documents.
- 12) Page No. 18; Para 6.8.1: GPS co-ordinates of all trenches with their suitable photographs and NABL accredited test reports may be enclosed. Without proven depth of the mineral, 4 m minerals persistency could not be accepted. Details of the grid interval of the trenches may be mentioned for UNFC justification.
- 13) UNFC norms for Placer and residual minerals deposits have not been discussed in this chapter.
- 14) During inspection it has been observed that the occurrence of the Moulding Sand in the lease area is confined within the river beds only. The 7.5 m barrier zone is identified as the river

bank and the presence of moulding sand has not been observed. But in the present document, the entire 4.85 ha. area has been considered for estimation, which is incorrect and necessary action may be carried out.

- 15) Bulk density test of the mineral may be analysed from the NABL accredited laboratory. Report may be enclosed for justification.
- 16) Page No. 24; Para 6.9.8: As it has been mentioned earlier that the G2 level of exploration has been done, therefore the reserve under 121 category and resource under 221 category may not be accepted.
- 17) Page No. 25; Para 6.9.9: At least 5 nos. of trenches may be proposed to know the depth persistency after replenishment of the river sand before starting the mining activity. GPS Location of all proposed trenches may be given in degree minute second (WGS84).
- 18) Area explored under G1, G2, G3 and G4 in hectares may be mentioned.

#### **Chapter 7.0 Mining**

- 19) Page No. 26; Para (a): A term 'mining can be done anywhere within the mining zone' may not be accepted, it should be proposed in the Scientific, Systematic and Sustainable manner.
- 20) Page No. 31; Para 7.17: A suitable place for stacking mineral within the lease area may be identified and same may be marked in the suitable plates for reference.
- 21) Page No. 32; Para 7.19: Para may be updated as per comment of Sr. No. 18.
- 22) Page No. 33; Para 7.25: Plantation should be proposed in the river bank side at 7.5 m barrier zone. Year wise proposal may be given in the text as well as in the relevant plates.
- 23) In this chapter, Stripping Ratio has not been discussed. The same may be incorporated.

#### **Chapter 11.0 Use of Mineral and Mineral Reject**

- 24) Page No. 38; Para 11.1: NABL accredited test reports of the physical parameters may be enclosed.

#### **Chapter 13.0 Other**

- 25) Page No. 41; Para 13.1: As per rule 42 of MCDR, 1988, employment of a full time Mining Engineer and a Geologist may be mentioned under this para.

#### **Chapter 14.0 PMCP as per rule 23 of MCDR, 1988**

- 26) Page No. 42; Para 14.1: As per mining chapter, 0.5 hectares will be covered under mining. Therefore, reason may be furnished for NIL hectare area under mined out area in the table.
- 27) Page No. 47; Para 14.3.1: In referred plate no. VIII, no such proposal for plantation has been given.
- 28) Page No. 51; Para 14.3.9: Calculation and rate of the Financial Assurance may be cross checked.

#### **Annexure**

- 29) Suitable photographs of the lease boundary pillars constructed as per specification mentioned in the Gazette notification of Ministry of Mines, Government of India vide G.S.R. 710(E) dated 08/10/2014 should be enclosed.
- 30) Copy of the Environment Clearance may be enclosed.
- 31) Copy of the lease deed for extended period as per MMDR, 2015 may be enclosed.
- 32) Copy of the earlier approval letter of the document may be enclosed.
- 33) Pre Feasibility Study Report: Report may be updated as per comments mentioned for Text.
- 34) Page No. 103; Cost Estimation and depreciation: In the text the proposal for plantation has not been given, but in this table Rs. 50,000/- has been mentioned for plantation cost. This may be justified.

#### **Plates**

- 35) Plate No. I: Copy of Khasra Plan is not clear and visible. A suitable copy duly signed by the competent authority may be submitted.
- 36) Plate No. III: Radius of the area covered may be written.

- 37)** Plate No. V: The following deficiencies have been found in the Geological Plan:
- a) Area explored under G1, G2, G3 and G4 has not been shown and demarcated.
  - b) Contour lines have not been drawn.
  - c) UNFC Codes are incorrect.
  - d) Incorrect Indexing.
- 38)** The following deficiencies have been found in the Geological Section:
- a) Area explored under G1, G2, G3 and G4 has not been shown in any section.
  - b) UNFC Codification has been written incorrectly.
  - c) Ultimate pit limit has not been drawn.
  - d) Without any exploration data, depth persistency has been considered at much higher side.
  - e) Haul road has not been shown.
- 39)** Plate No. VI; Year Wise Development Plan: Pit/Trench has not been shown in the Plan as it has been drawn in the cross section. Ultimate Pit Limit has not been drawn in plan and sections.
- 40)** There are spelling mistakes in the documents which needs to be corrected.