



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: दुर्ग/चूप/खयो-1188/2018-रायपुर

दिनांक - 24.01.2019

प्रेषित : श्री संजय श्रीवास्तव,  
जी - 4, आदर्श नगर, दुर्ग,  
जिला - दुर्ग, छत्तीसगढ़ - 491001

विषय: खनिज (परमाणु और हाइड्रोकार्बन ऊर्जा खनिजों से भिन्न ) रियायत नियम 2016 के नियम 16(1) 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 - 4.95 है. की खनन योजना सह उत्तरोत्तर खान बंद करने की योजना की प्रस्तुति।

महोदय,

आप द्वारा प्रस्तुत उपरोक्त क्षेत्र की खनन योजना 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 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 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।

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, 621/3, रामकुण्ड, समता कोलोनी, लाइफ वर्थ हॉस्पिटल के पीछे, रायपुर - (छग)।

क्षेत्रीय खान नियंत्रक  
भारतीय खान ब्यूरो

**Annexure**

**Scrutiny comments on examination of Mining Plan including PMCP of Medesara Limestone ML Applied Area (area 4.95 Hect.) of Shri Sanjay Shrivastava in Durg District of Chhattisgarh State inspected by Shri S. Kartikeya, Jr. Mining Geologist on 11/01/2019**

**General Oversight**

- 1) (a) Instead of 'Lease Area' a term 'Applied Area for Mining Lease' may be written at all the relevant places. (b) IBM registration no. should be obtained as well as registration under MTS database may be done. (c) Lease Period: a prefix 'Applied for' may be written before 50 years.
- 2) Page no. 4; (a) Para 2: Instead of 'NA', details of the IBM registration may be mentioned. (b) Para 4: Instead of 'Name of Mine', Name of applied area for Mining Lease may be written. (c) Para 17; Environment Clearance: Instead of 'Not Applicable' a sentence 'to be obtained before commencement of the mining operation' may be written.

**2.0 General**

- 3) Page no. 5: Instead of Category "A" OTFM, Category A Mechanised term may be written.

**3.0 Location & Accessibility**

- 4) Page no. 10: Co-ordinates of some of applied lease area boundary pillars are mentioned without authenticated by state government authorities. This being a fresh grant case coordinates needs to be authenticated by state government. Moreover all corner boundary pillars are not covered. All additional corner boundary points may be covered and nos may be re serialled.

**Part A; 1.0: Geology & Exploration**

- 5) Page no. 13; Para Stratigraphy of the area: (a) Whether rocks are belonging to the Raipur Series or Raipur Group may be specified and corrected as per authentic published literature. (b) Source of the Stratigraphic succession may be written.
- 6) At one place it is written that limestone is trending north east- south west direction with 2-4 degree dip towards south west (Incorrect structural data). In other place it is written that limestone is having north-west to south-east strike with 2-4 degree dip towards south-west. Whichever is correct may be clarified
- 7) Page no. 14; Para Geology of the area: During inspection it has been found that none of the outcrop is visible on the ground. Hence, from which place the general trend of the outcrops has been calculated, may be specified.
- 8) Page 15 para (e) – Details of PL grant and its references needs to be given
- 9) Page no. 18; Para Estimation of Reserve and Resources: During prospecting period, reserve and resource has been calculated 3.895 million tonnes over an area of 6.51 ha. whereas, in the present document reserve and resource has been calculated 3.276 million tonnes over an area of 4.95 ha. Hence there is very less depletion in the reserve and resource. Thus may be clarified.
- 10) Page 22 table of indicated mineral resources 332 is not clear- rechecked and corrected.
- 11) Detail logging of 04 nos. of exploratory trial pits may be furnished.
- 12) Without Mining Lease and other essential clearances, Feasibility Axis may not be considered as F1. Hence, pre-feasibility study should be prepared in accordance with the MEMC Rule, 2015.
- 13) Page no.18: The following parameters may be considered for the proposal of future exploration programme as the present drilled boreholes are not indicating the depth wise mineral persistency in the area:

- a) The entire lease area should be explored under G1 level of exploration during plan period and Exploratory boreholes to be proposed up to 300 meters or up to the discontinuance of ore body, whichever is earlier.
- b) Year wise proposal for the future exploration may be given.

## 2.0 Mining

- 14) Page no. 28; Table 2.2.1: For calculation of ore to ob ratio, 5% waste from ROM and actual calculated volume of topsoil may be added and considered for the calculation.
- 15) Page no. 33; List of Proposed Machinery: Output capacity of all the mining equipments may be given in this table.
- 16) Page 32 - ultimate pit limit-

Description	Maximum in mts	Minimum in mts	Average in mts
Length			
Width			
Depth			

- 17) Page 33 post mining land use may be given as under -

Particular	At the end of 5 years (in Ha)	Life of Mine (Ultimate) (in Ha)
Top soil		
Working Pit		
Waste Dump		
Sub Grade stock		
Screen reject dump		
Back filled area		
Infrastructure		
Roads		
Area in 7.5 mtr safety zone		
Afforestation		
Water reservoir		
Undisturbed		
others		
Total		

## 3.0 Mine Drainage

- 18) Regular monitoring of air, water & noise may be proposed.

### 4.0 Stacking of Mineral Reject/Sub-grade Material and Disposal of Waste

- 19) Length of the Garland drain and retaining wall may be given.

### 8.0 Progressive Mine Closure Plan

- 20) Flora & Fauna: The written species of the plants under this para may be proposed for plantation in future to protect and retain the local environment. A year wise proposal for plantation may be incorporated.
- 21) Page no. 56; Calculation for the performance security may be given.
- 22) **Feasibility Report:** The feasibility study report may be revised on the basis of the entire observation. The feasibility study should cover the following aspects & analysis thereof:
- a) A comprehensive framework of established & detailed facts concerning the mining projects.
- b) An appropriate scheme of exploration complete with plans, designs & equipment lists etc. In sufficient details for accurate cost estimation & associated economic result.

- c) Para; Reserve Assessment: The details of the resource/ reserve established in this para may be changed after the re-estimation of the resource/ reserve estimated in Part-A; Geology & Exploration.
- d) The most likely profitability on investment in the project, assuming the project is equipped & operated as specified in the report.
- e) An assessment of potential legal factors, financing alternatives, fiscal regimes, environmental regulations & risk and sensitivity analysis on important technical, economic, political & financial variables affecting the project.
- f) The economic viability on feasibility study report should include sensitivity study. The sensitivity study should discuss variations due to marginal changes in the sale price / grade/ operating cost/ delays in activating full production/ production level lower than designed etc.

#### Plates

- 1) Instead of local co-ordinates, UTM co-ordinates may be used in all the plates.
- 2) Plate no. 2: Location Plan: Location Map: The location map does not indicate the accessibility of the routes to approach the lease area.
- 3) Plate no. 5; Geological Plan: **(a)** As per the exploration data the minerals existence has been established through 02 nos of exploratory bore holes. Hence an appropriate texture for limestone may be shown. As well as on top, symbol for vegetation may be shown. **(b)** Area explored under G1, G2, G3 & G4 may be marked on the plan and sections.
- 4) Plate no. 6; Geological Cross sections: **(a)** All the geological cross sections may be drawn along the UTM grid line at an 100 m or 200 m grid interval for better identification and precise estimation of the reserve/resource. **(b)** The boreholes not falling under cross-sections lines and has been projected in the section may be written projected 'P' as suffix. **(c)** Incorrect UPL has been drawn. **(d)** Since the exploration has not been done in close grid pattern and very less sub-surface exploration data is available, hence, mineral influence below the existing borehole depth may not be considered. Therefore, the entire reserve and resource may be re-calculated as per MEMC Rule, 2015.
- 5) Plate no. 7; Year Wise Development and Section: **(a)** ULP should be drawn correctly in all the sections. **(c)** RL wise changes in the proposed area for dumping may be written on the plan as well as sections should be prepared for waste dumping and top soil stacking.
- 6) Plate no. 9: Environment Plan: This plan should be prepared in accordance with the rule 32 of MCDR, 2017.
- 7) Self attested copy of the Aadhar Card may be enclosed. .

\*\*\*\*\*