



भारत सरकार

खान मंत्रालय

भारतीय खान ब्यूरो, क्षेत्रीय खान नियंत्रक कार्यालय, रायपुर
दुसरी मंजील, जीएसआई फील्ड प्रशिक्षण केन्द्र, महालेखाकार आफिस कोम्प्लेक्स,
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संख्या: दुर्ग / चूप / खयो-1239 / 2020-रायपुर

दिनांक - 08.06.2020

प्रेषित : श्रीमति रत्ना पाण्डेय,
द्वारा श्री राजीव पाण्डेय,
एम आई जी - 104, पद्मनाभपुर,
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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 - सहगांव, तहसील - धमधा, जिला - दुर्ग (छग) में स्थित सहगांव चूना पत्थर खान, क्षेत्रफल - 1.3 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 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. डॉ मनोज कुमार, हाउस नं 150, वार्ड नं 13, नन्दिनी नगर, दुर्ग (छग) - 490 036
क्षेत्रीय खान नियंत्रक
भारतीय खान ब्यूरो

Scrutiny comments on examination of Review of Mining Plan including PMCP of Sahegaon Limestone Mine (Area 1.30 Hect.) of Smt Ratna Pandev in Durg District of Chhattisgarh State by Shri Rajesh Kumar Das, Senior Assistant Controller of Mines

1. The information furnished in 'Review of Mining Plan at a Glance' the information regarding OB/Waste handling proposal for 2020-21 not mentioned.
2. The mining lease is going to expired on 28.07.2022 and all proposal to be restricted upto 2022 or document in support of lease extension from state government needs to be enclosed .
3. The lease boundary pillars co-ordinates should be authenticated by state government (DGM) and DGPS co-ordinates furnished in the plates should be clearly mentioned it is authenticate by state govt or not. In the last approved document 8 nos pillar no shown and accordingly co-ordinate of 8 boundary pillar no. mentioned but as per present document 12 nos boundary pillars shown and the co-ordinates are also different from earlier approved approved document. The same may be clarified and accordingly correction to be done.
4. **Introduction:** In the given Para the information regarding Lease grant date, execution date, revised grant order/supplementary agreement date, date of opening of Mining, etc should be given in tabular with document support enclosed.
5. **Review of Earlier approved document:** Review may be carried out for the year 2019-20 also. Violation and compliance is not furnished coorrectly. The mine was inspected in 2018 and violation issued accordingly and subsequently the mine was suspended but the information regarding not furnished.
6. **Geology:-** after para 6.5.8 following information may be added.

	Change in mineral resources (give reasons for increase or decrease in mineral resources estimated)					
Items	As per earlier approved plan as on---	Depletion during plan period	Net balance at the end of mining plan period	After reassessme nt re-estimation as on ---	Net increase/ Decrease in mineral resources	Reasons
	A	B	C=A-B	D	E=D-C	
Reserve						
Resources						
Total						

7. **Mining:** The Para shall also discuss the procedure for loading, exaction, transportation, design of haul road, etc. In the present scenario manual working by crowbar, spade and kudali is not feasible nor practically possible and the bench as reflected of 15 meter cannot achieve by manual working therefore method of working to be reviewed and accordingly furnished. The dumping, Stacking of mineral, backfilling and reclamation.
8. The mining chapter should be revised as the mine is having bench height of more than 15 meter and the same should be rectified by proposing to reduce the height as per manual method. The bench height where it is not possible to reduce the arrangement should be proposed for stabilisation. The area where already 7.5 meter safety barrier zone excavated the same should be restored by backfilling/reclamation. The proposal should be revised accordingly.
9. **Use of Minerals:** In the given Para it is mentioned that the limestone supplied to different steel and sponge iron plants but the required grade of limestone is not mentioned and mentioned for cement only.
10. **Processing of ROM :** In the given Para it is mentioned that the sizing will be done in crushing plant whereas in mining para it is said that sizing will be done manually. The correction to be done.

11. **Site Services:** The facilities mentioned in the given Para neither reflected in plan nor in calculation of Financial Assurance. The correction to be done.
12. **Surface Plan:** The following deficiencies observed in the given plate:
 - i. The pit is not shown as per guideline (index should be as per guideline). In the given plate the contour line and pit position marked same. The benches to be shown with top and bottom RL.
 - ii. The information outside lease area is not required to be shown.
 - iii. The name and signature of surveyor is missing.
 - iv. The plate is not matching with lease sketch and shape and orientation is different especially near BP 9.
13. **Geological Plan:** In geological plan the lithology should be shown and same should be indexed properly. In geological plan G1, G2, G3 and G4 scale exploration area should be marked properly as per UNFC and Minerals (Evidence and Mineral contents) Rules, 2015. The dip/strike direction also not shown and neither index. In the lease area only one borehole drilled upto depth of 15 meter and mining already gone below that level therefore exploratory boreholes to be proposed up to discontinuance of ore body.
14. The reserve/ resource estimated are enhanced from last approved document without any exploration and the grade mentioned for reserve without any documentary evidence and analysis report of 2015 enclosed. The reserve/ resource estimated is not as per MEMC Rule,2015. The reserve has been shown in 121 means the F axis considered in F2 whereas mine is operating since more than 15 years.The ultimate pit limit to be shown on plan and the same may be reflected from surface. As reflected in plan and section that the excavation pit depth is more than 30 meter in some place and bottom of the pit water logged. The bench height shown in some place is more than 15-20 meter and working pit may reached below ultimate pit therefore ultimate pit should be drawn from surface and accordingly re-estimate reserve. In the given plate also outside lease area features not required to be shown.
15. **Development Plan & Section:** As per the plan it is evident that the 7.5 meter safety barrier zone already excavated in many places therefore proposal should be given to restore the area and properly reclaimed. In the plan it is also evident that although the last planned is approved in manual category but still the manual working is not followed and as a result the bench height is some places 10-15meter and working depth of 18-20 meter and working not compliance the systematic and scientific mining theory therefore there is no place to move the face in scientific mining and mine already reached the ultimate depth. The proposal should be given to restored the area with reduction of bench height with reclamation in the form of Final Mine Closure Plan.
16. **Progressive Mine Closure Plan:** In the given Para the yearwise afforestation with location, no. of sapling, drainage(LXWXH)in meter, retaining wall(LXWXH)in meter, location and other preventive measures to be furnished in tabular form and same should be reflected in respective plates.
17. The expenditure proposed in implementation of PMCP should be proposed item wise and yearwise.
18. 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.
19. The annexure should be signed by qualified person.
