

GOVERNMENT OF INDIA  
MINISTRY OF MINES  
INDIAN BUREAU OF MINES  
Office of the Regional Controller of Mines

No. AP/KNL/MP/Fe-23/Hyd

Room No.603, 6th Floor,  
CGO Towers, Kavadiguda,  
Secunderabad.-50008  
Date: 12-05-2017.

To  
Shri Ramu Devulapally,  
M/s NSL Mining Resources India Pvt. Ltd.,  
Sahani Residency, 6-3-680/8/3,  
Plot No. 1, 3<sup>rd</sup> Floor,  
Thakur Mansion Lane,  
Somajiguda, Hyderabad.

Sub: Submission of Review of Mining Plan in respect of Muddavaram Iron Ore Mine of M/s NSL Mining Resources India Pvt. Ltd., over an extent of 6.20 ha. Situated in Survey No.41/31,451/P in Muddavaram Village, Bethamcherla Mandal, Kurmool dist., A.P. submitted under Rule 17(2) of MCDR, 2016.

Ref: Your letter no. Nil dated 19.04.2017.


Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 28.04.2017 by Shri Manish Mandiratta, DCOM accompanied by Shri S.R.Kumaraswamy, QP the draft Review of Mining Plan has since been examined and found certain deficiencies as given in Annexure. The same scrutiny comments have already been forwarded on e mail id of your Qualified Person as submitted in the document. [Ramu.devulapally@nslconsolidated.com](mailto:Ramu.devulapally@nslconsolidated.com) and [sirswamygem@gmail.com](mailto:sirswamygem@gmail.com).

02. You are advised to attend the deficiencies as per the annexure and resubmit the document, complete in all respects, in three bound copies along with soft copy in the form of CD (2Nos.). In this regard you are directed to submit the Financial Assurance in the form of Bank Guarantee for the area put on use for Mining and allied activities @ Rs Three lakhs/hectare for category 'A' mines provided that the minimum amount shall be Rs. Ten lakhs as per the provision of Rule 27(1) of MCDR, 2017 at the time of submission of final copies of the document within 15 (fifteen) days from the date of issue of this letter, failing which the document will be disposed without giving any further opportunity.

03. The para-wise clarification & the manner in which the deficiencies are attended should be given while forwarding modified document.


Yours faithfully,

  
(Pankaj Kumarastha)  
Regional Controller of Mines

Copy to : Sri S.R. Kumarswamy, Flat No. 202, SSV Residency, Krupa Complex, Near Safilguda Tank Bund, Neradmet Road, Secunderabad – 500 056.

  
(Pankaj Kumarastha)  
Regional Controller of Mines

मूल पति पर नहीं  
खान नियंत्रक (द), भारतीय खान ब्यूरो, बंगलुरु।

  
(पंकज कुमारस्त) क्षेत्रीय खान नियंत्रक



Inspection report cum scrutiny comment on the Review of mining Plan submitted by M/s Mining resources India Private Limited for it's Muddavaram Iron Ore Mine located in village Muddavaram, Bethamcherla Mandal, District Kurnool after field inspection dated 28.04.2017.

1. All certificates should be signed in original by the nominated owner of the company, as the person responsible for implementation of the proposal in the document. Name of the signatory should appear below the signature. Also the resolution of the Board of Director in favour of nominated owner has not been found enclosed.
2. Copy of Lol and initial lease deed in favour of Sh P Sarveshwar Prasad be enclosed as a proof for initial grant and execution of lease.
3. The certificate of incorporation of the company and it's registered address be submitted.
4. The document has been submitted by a person who is not the nominated owner as per the submitted documents. Hence the same should be corrected and the identity (preferably the aadhar card) and address proof of the nominated owner be enclosed.
5. In the key plan, magnetic north has been shown parallel to the grid lines, which is incorrect and needs to be corrected. Toposheet and the datum needs to be submitted. The key plan be submitted on new toposheet of WGS84 datum be submitted.
6. The copy of the lease sketch true to the scale has not been enclosed. The boundary pillar coordinates in the field are not found matching with the submission in the lease sketch, the datum in which the same has been obtained. Hence the boundary pillar coordinates observed in the field could not be tallied with the submission in the lease sketch. **Necessary clarification be obtained from the State Government and submitted.**
7. Annexure II B is not required along with the document.
8. In para 3.2, the reason for previous modification in the document need to be recorded correctly.
9. Comment , whether any order has been issued regarding lapsing of lease as per provisions of MCR 2016 from the State Government.

#### Review of Mining Plan

10. In para 3.3 the proposal for the period 2014-15 to 2016-17 be submitted as no proposal.
11. The proposal for review of development nad production for the 2013-14 needs to be corrected.
12. The review for waste, reclamation rehabilitation be submitted as proposal vs achievement.
13. Submit the afforestation as cumulative plants surviving as on date which is found to be very less.
14. In para 3.4, the status of compliance of violation has not been recorded as on date.
15. The pits have been found extended within 7.5m safety zone near NW and NE corner of the lease. Hence the same be backfilled and submitted.
16. In para 3.5, clearly submit the status in unambiguous language.
17. In para 3.6, the reason for modification is to be given but the lessee has proposed for review of mining plan only . Hence the data need to be submitted correctly.

Part A

Geology

18. Surface Plan The magnetic bearing has been submitted parallel to the grid line which is incorrect, hence be corrected. The survey grids should be marked in meters, as per the previous approved document. The updated survey need to be signed by the certified surveyor for correctness.
19. The Geological mapping need to be corrected. The ferruginous quartzite and non ferruginous quartzite need to be mapped separately.
20. The Geological level of exploration has not been marked correctly as per MEMC Rules. The explored or mined Area be recorded as G1 in line with provisions in MEMC Rules
21. In para 1.0(c), clearly submit the nature of mineralization and how it correlates with your exploration data generated in Annexure-VIII.
22. In part 1.0(d), it should be recorded whether the the exploration has been undertaken under the guidance of responsible person as per MCDR or not. The exploration data (Annexure- VIII) should be signed by the responsible person as per rule.
23. The phase wise exploration undertaken so far in the lease be submitted. The future exploration be proposed by drilling technique by which the core can be obtained.
24. In part A,1.0(j) the category of the deposit need to be submitted as per MEMC Rules. Category VI is not as per MEMC Rules. Hence category be corrected and justified correctly.
25. It is not clear from the document whether the mineral proposed to be taken out of the lease area is above or below threshold value. It has been submitted that the mineral sorting has been proposed out of the lease area and fines are to be segregated out of the lease area. Thus the grade needs to be commented upon scientifically after ascertaining it. If mineral below threshold is to be taken out of the lease area, then it's utility should be scientifically substantiated.
26. In light of the above point reserves/ resource need to be coded and assessed correctly as per MEMC Rules .
27. In table 15 the grade of iron ore recovered material has been commented as +45% Fe and the fines as -45% Fe but there is no data to substantiated the same. Without the grade analysis recovery of the iron ore from the ore zone cannot be established. Necessary clarification and correction be submitted.
28. It has been observed that the lessee is having Environment Clearance for lesser Quantity and proposal has been given for increase in production to 20000T per annum of clean iron ore . In a review of Mining plan increase in production is not justified. For increasing the production, the modification of Mining plan should be undertaken under rule 17(3) and suitably justified.

#### Mining

29. The use of excavator with 1.5m bench is not a viable proposition . Hence the bench height commensurating with the field conditions and the boom height of the excavator be proposed.
30. It has been noticed that the mineral sorting has been proposed out of the lease area and fines are to be segregated out of the lease area.
31. In the yearwise production and development , submit the tentative production of Iron ore.
32. In the backup calculation for yearwise production, the segregated ore is not required if it is not to be undertaken within the lease area.

33. The proposal for dumping of the waste outside the lease area is not acceptable as per law. Hence the proposal for dumping needs to be given in the non mineralized land.
34. As per the present mining proposal, existing dumps need to be rehandled. The place where it will be relocated and yearwise proposal of it's rehandling and subsequent dumping site, has not assessed scientifically. The adequacy of the dumping site need to be assessed as well.
35. Further, the proposal to prevent washing away of the dump by means of retention wall and garland drains be proposed as part of Progressive Mine closure Plan.
36. Environment Plan: This plan should show all the details as required under rule 32(5)(b) of MCDR-2017. It should also show land use details within and up to 500m from the lease boundary.
37. The conceptual exploration, conceptual land use, reclamation rehabilitation, dump need to be submitted at the end of lease period based on current level of exploration..
38. Conceptual Plan -This should be drawn and projected to visualize the status of the lease at the end of lease period supported by suitable numbers of sections both in transverse and longitudinal directions passing through lease boundary, through pits, through dumps etc.
39. In the document, incongruous submission has been given regarding segregation of ore, which is on one side has been submitted to be done out of lease area where at the same time lessee has submitted that tipper shall be used for transportation of ROM and waste out of lease area. As per the mineralization, Overburden is not there in the area proposed for mining and entire zone is mineralized zone. The blasting / use of explosive has not been commented in the method of mining. The clearances and the permissions required for the use of explosive need to be submitted.
40. Item 4.0 regarding stacking of Mineral reject, subgrade and disposal of waste need to be corrected in light of above comments.
41. Quantify the dumps as per enclosed table:

| Dump No. | Dump type<br>TS/OB/MR/SGM | Area<br>(Hect.) | Height<br>(M) | Angle | Existing<br>volume<br>(cu.m) | Capacity<br>(MT) | Status<br>(Active,<br>rehabilitate<br>d, dead<br>dump etc) |
|----------|---------------------------|-----------------|---------------|-------|------------------------------|------------------|--|
|          |                           |                 |               |       |                              |                  |  |

42. In para 5.0, comment as how the iron ore specification of the user industry will be maintained.

#### Progressive Mine Closure Plan

43. The base line data generated for the purpose of environment clearance be submitted in item 8.1. The proposal be submitted for regular environment monitoring as per the MoEF Guidelines.
44. In para 8.3, Reclamation plan need to be submitted as per the guidelines for preparation of Mining Plan. The proposal for dump reclamation be submitted.
45. The land put to use need to be assessed correctly and Financial Assurance be submitted accordingly.

- 46. All the plans and sections should have certificate by QP That the plans and sections are prepared basd on the lease map authenticated by the State Government.
- 47. If due to aforesaid changes, the data in other chapter or plates changes, they may please be done accordingly and ensure the consistency of the data submitted in various chapters of the document.

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