



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

No. AP/VZNR/MP/Mn-82/HYD

6<sup>th</sup> Floor, CGO Towers,  
CGO Complex, Kavadiguda,  
Secunderabad- 500 080, AP.  
Date: 24.1.2018

To

Shri T.N.Das,  
M/s Dinesh Das & Sons Authorised signatory,  
R.S.Baldha(Rd), Mayurbhanj,  
Odisha-535003

Sub: Submission of Review of Mining Plan in respect of Mamidivalasa Manganese mine of M/s Dinesh Das & Sons Mines & Steels(P) Ltd over an extent of 8.093 Ha situated in Sy.no. 17 of Mamidivalasa Village, Ramabhadrapuram Mandal, Vizianagaram Dist. of Andhra Pradesh State under Rule 17(2) of MCR, 2016.

Ref: Your letter no. Nil dated 16.12.2017.

Sir,

With reference to your letter cited above on the subject, the site inspection was carried out on 26.12.2017 by Shri M.Pratap Reddy, AMG accompanied by Ashok Mahapatra, representative of the lessee and Shri, Raghu Puroith Geologist. The draft Modified Mining Plan has since been examined and found certain deficiencies in the form of Scrutiny Comments as given in Annexure. The scrutiny comments have already been forwarded on your e mail id: [billiongroups@hotmail.com](mailto:billiongroups@hotmail.com) and Qualified person's mail id [earth\\_environment2008@yahoo.com](mailto:earth_environment2008@yahoo.com) as submitted in the document.

02. You are advised to attend the above deficiencies as per the annexure and resubmit the document complete in all respect in three bound copies along with soft copy in the form of CD (2 Nos.) with in 15 days from the date issue of this letter. 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 at 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 of MCDR, 2017 only at the time of submission of final copies of the document.

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

Yours faithfully,

Encl:a/a

Manish Mandiratta,  
Dy. Controller of Mines  
for Controller of Mines

Copy to : Sri P.R.Mishra, QP, Earth & Environment, S-27, Chandralok Market Complex, Niladri Vihar, Chandrashekarapur, Bhubaneswar-751021, Odisha.

Manish Mandiratta,  
Dy. Controller of Mines  
for Controller of Mines

Copy to the Controller of Mines (SZ), IBM, Banguluru, Karnataka, for kind information,

Manish Mandiratta,  
Dy. Controller of Mines  
for Controller of Mines

**Scrutiny comments on examination of Review of Mining Plan in respect of Mamidivalsa Manganese mine of M/s Dinesh das & Sons Mines & Mines & Steels PVT Ltd over an extent of 8.093 Ha situated in Sy.no. 17 of Mamidivalasa Village, Ramabhadrapuram Mandal, Vizianagaram Dist. of Andhra Pradesh State submitted under Rule 17(2) of MCR, 2016.**

Date of Inspection: 26.12.2017

Inspecting officer: M.Pratap Reddy, AMG.

Accompanying officials: Shri Ashok Mahapatra, representative of the lessee and Shri, Raghu Puroith Geologist

**General:**

1. The cover page should be displayed with total lease area details, land type, Rule under which the document has been submitted, mine code, IBM Registration no., Plan period, complete address of the lessee and Qualified person.
2. It is not clear whether 'Dinesh Das & Sons Mines & Steels (P) Ltd' is a Firm/Company registered under Company's act. A copy of the same be furnished. Further a resolution be passed by the partners/Directors in favour of the authorized person(Shri T.N.Das) to sign and do the correspondence on behalf of the Company/Firm. Name of the person representing M/s Dinesh Das & Sons Mines & Steels (P) Ltd be furnished in the columns of the Name of the lease holder.
3. The consent letter to the Qualified Person has not been properly addressed and it has not been signed by the owner.
4. During the site inspection it has been observed that the shape of the lease sketch submitted along with the last approved document and lease sketch submitted in the present document are different. Both the lease sketches are signed by the concerned ADMG's. Owing to this, we are unable to assess the correct sketch. It is therefore requested to kindly confirm the shape of the correct lease sketch along with the cadastral Plan showing the details like Sy.nos etc from the Director of Mines and Geology. Further as per the field observation, the workings and dumps have been found extended outside the boundary pillars H, I,J,K and L whose Geo coordinates are as under:

Boundary Pillar no.	Northing	Easting
H	18 <sup>0</sup> 28'02.4"	83 <sup>0</sup> 16'23.2"
I	18 <sup>0</sup> 28'05.4"	83 <sup>0</sup> 16'23.6"
J	18 <sup>0</sup> 28'06.4"	83 <sup>0</sup> 16'23.2"
K	18 <sup>0</sup> 28'07.5"	83 <sup>0</sup> 16'25.0"
L	18 <sup>0</sup> 28'07.9"	83 <sup>0</sup> 16'24.7"

Further, the Plans and sections are not in confirmation with the Lease sketch and incidentally the present lease sketch has not been authenticated by the competent authority and it was simply attested.

5. None of the Form-K have been signed by the Geologist for its correctness.
6. No field tests/Mineralogical study covering the aspects Bulk density and Recovery tests has been carried out for the purpose of the Reserve estimation. This need to be carried out by the Government Agency/NABL. A Report of the same be annexed to the document.
7. No reason for the lapsed period (2015-16 and 2016-17) of Scheme of Mining has been furnished with the justification.
8. Para 3.3 Review of approved proposals: The yearwise review of approved proposals of 210-11 to 2014-15 be done with due justification if any deviation exists. Review also be done for the years 2015-16 and 2016-17.
9. Para 3.4(Status of compliance of the Violations-----): The violations and compliance thereof during the review period be furnished in Tabular form. The copies of relevant violations and replies and mode of compliance thereof be furnished. The Violations and replies be furnished in the form of Annexures. It has been stated that the violation of Rules dated 17.2.2014 has been complied but the manner in which the compliance took place has not been stated. As per the Office record, the violation is yet to be complied.
10. Para 3.5 (Indicate and give details of any suspension-----) : It is stated to be not applicable. But the mining operations have been suspended vide Lr.no.AP/VZNR/Mn-98/Hyd dated 24.3.2014

**PART-A**

10. Para 1.0 b (Regional Geology-----): The formations occurring in the area has not been properly equated with the Regional Geological setup.
11. Para 1.0 c (Detailed description of Geology----): The dip of the formations is expressed in terms of %. The Technical person's name under whom, the exploration has been carried out be given.
12. Para 1.0 d (Details of prospecting----): It has been stated that there are two trial pits and one Trench but during the field visit none could be seen.
13. Para 1.0 d iii) (Details of sample analysis-----): The surface sample locations have not been marked in Geological Plan. The no. of Core samples has not been indicated.
14. Para 1 I) (Broadly indicate the future programme of exploration---): As per the ministries guide lines and under Rule 12(4) of MCDR, 2017, in case of existing mining leases, detailed exploration (G1 level) over the entire potentially mineralised area under the mining lease shall be carried out within a period of five years from the date of commencement of these rules. Accordingly, a purpose oriented/need based exploration be proposed in the mineral bearing area. In case of inclined boreholes, the direction of inclination (Azimuth) be indicated.
15. Para 1.0 J) (Reserves and Resources-----):
  - 1) The type of the deposit be properly classified/identified as per the norms of Mineral (Evidence of Mineral contents) Rules 2015
  - 2) At the first instance, the scale of the exploration be marked on the Geological Plan based on the density of Boreholes and the same be also marked in the respective Geological Sections.
  - 3) The depth of the mineralistaion is said to be upto 90.3mRL, but this varies from Borehole to borehole. Therefore a range of depth (min & max) with reference to the Borehole be indicated. Depth be restricted upto bottom intersection of ore body of the respective borehole
  - 4) A detailed report with the quantities of the excavated material during the field test for arriving recovery factor and bulk density has not been furnished. Locales of such pits dug for field tests be shown in the Geological Plan. While calculating the reserve/resources these factors (Bulk density and Recovery %) have not been taken into account. The estimation of reserve/resources should be based on these field tests.
  - 5) The Bulkdensity of 3.5 mentioned is on higher side. The recovery percent is stated to be 95% which is also on much higher side and not in conformation with the field conditions.No Mineralogical study report is enclosed with the document.
  - 6) The core drilling and borehole density etc should be dealt under 'Technological' sub head of Geological axis. The information furnished under 'Geostatistical analysis' is uncalled for.
  - 7) The various figures given under operating cost/T in Feasibility axis be checked for its correctness.
16. Para 1.0 k)(Furnish detailed calculation of reserve -----): All Reserve/Resource need to be reassessed as per the comment vide para 1.0 J) taking into account of Recovery factor and Bulk density arrived during the field tests. The basis of grade wise recovery and sub grade estimation has not been spelled out.
17. Para 2 A (Briefly describe the existing as well as proposed method-----): Present status of working should be submitted incorporating, dimension of quarry, top RL, bottom RL, No. of benches in ore & waste, bench height & width etc. The approved quantity of ROM by the EC be mentioned and copy of the same be appended. The deployment of wagon drill with regards to drilling and blasting be reviewed depending the bench parameters proposed. The production schedule be reviewed asper the comment vide para 1.0 J. The calculation pertaining to requirement of Excavators be checked one for its correctness. In the year wise production schedule the mRL column has been kept blank. The average length of influence be referred as Strike influence.
18. Para 2 b (Insitu tentative excavation----): The area demarcated for the year wise tentative excavation be proposed as per the G2 scale of exploration as demarcated vide para 1.0 J. with well defined grids.
19. Para 2 c (Individual Year wise ----): The year wise layout of mine working should be discussed in the text part supported by bench wise calculations of proposed excavation of Ore and OB with the aid of Plans and sections. The production proposals for the year 2017-18 be restricted to the left over period i.e 3 months only. Backfilling and reclamation proposals be made along the I,J,K . L and H boundary pillars. This proposal be included in the year 2017-18..
20. Para 2 d) (Describe briefly giving salient features---): The proposed bench height and width be checked once. The width of the bench should be more than the height of bench.
21. Para 2f(Conceptual Plan----): This para be reviewed as per the outcome of the para 1.0 k)
22. Para 4.0 Stacking of Mineral reject/subgrade mineral-----: This para be reviewed asper the comment vide para 2 b.
23. Para 8.3.1 Mined out land: The mineral is yet to exhaust at depth and thus there is no mined out land and there is only degraded land.

24. Para 8.6( Financial Assurance): In view of the above comments, the F.A. should be re-assessed and submitted as per Rule 27 of MCDR,2017 along with final copies.

**Annexures:**

Name of the person be mentioned below his signature in all certificates and consent letter. Date of sign is missing.

The copy of the ML application, grant order and proceeding copies of ML be appended.

Annexure V: None of the Form-K's have been signed/certified by the competent person. The chemical analysis column is kept blank.

Annexure XIII: The NABL accreditation validity is missing.

Annexure XV: Feasibility study Report: Feasibility study report be reviewed as per the comment vide para 1.0 J)

**PLATES**

**All the Plans and sections be prepared asper the latest lease sketch certified alongwith the Geocoordinates of all the boundary pillars by the competent authority.**

1. Plate-I Key plan: The ML area be distinctly marked. The Plan should be as per the provision of rule 28 of MCDR,2017, the area of 5 KMs around the lease area should be considered and all the details within this area as per statute should be incorporate. The existing mines with in 5km radius be shown. The extremities of the coordinates have not been drawn.
2. Plate- (Lease sketch): Plate no. has not been given. The plan is hazy and there is no clarity in the Index. The Geo coordinates have been simply super imposed on the sketch without any authentication by the competent authority. It has been observed that the document has been submitted on a sketch different from the sketch submitted earlier for approval. However, no Government order to this effect has been submitted. The other Plans prepared based on such lease sketch does not serve any purpose.
3. Surface Plan, Geological Plan, Sections, Production and development and sections there of other Plans be prepared on 1:1000 scale for the better clarity.
4. Plate-III (Surface Plan): The date of survey has not been updated. The Surveyor certificate no. has not been furnished. The quarries and Dumps have not been properly shown and numbered. The surface plan has not been properly updated.
5. Plate-IV Geological plan: The Boreholes have not been properly indexed. The scale of exploration and strike and dip have not been marked. The Plan be updated as per the lease sketch and up[dated Surface plan.
6. Plate-IV A Geological Sections: The Sections be redrawn as per the Geological Plan and comment vide para 1.0 J. The sections be checked once for the correctness plotting of the Geological contacts and ore body intercepts in the Boreholes. The intercepts of dumps, roads have not been shown along the profiles wherever they intercepted. The UPLs have also not been properly drawn.
7. Plate-V A to V E: Year wise development plans and sections, Plate VIII: Reclamation and Rehabilitation Plan, Plate-IX: Progressive Mine Closure Plan and Plate-X & X A : Conceptual Plan and Section : These Plates be modified asper the comment vide para 1.0 J. In the yearwise development sections, the formation of benches have not been shown (Plate VIA to VIE)
8. Plate-VII Environment Plan: Prominent wind direction has not been shown. Contours have not been extended up to 60m buffer zone. Land use pattern in the buffer zone has not been properly shown and indexed.

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