

SCRUTINY COMMENTS ON THE DRAFT REVIEW OF MINING PLAN OF **BAGRU** BAUXITE MINE (AREA 75.41 HECTS.) OF M/s HINDALCO INDUSTRIES LTD VILLAGE – Bagru, DISTRICT – Lohardaga (JHARKHAND) SUBMITTED BY SRI P K Sen QP UNDER RULE 17(2) OF MCR,2016& 23 OF MCDR 2017.

TEXT

- 1.Mine code of Mine to be furnished.
- 2.P-2,Copy of authenticated lease map attached with supplementary lease deed to be annexed.
- 3 Mobile no and email of lessee /Owner/ company/prospecting agency to be added.
- 4.P-6,Table showing Forest and Non Forest area data may be reconciled. MRL figure(p-6) to be reconciled with page -14.
- 5.Copy of letter issued from DGMS regarding mining in common boundary area of Bagru and Bhusar should be annexed.
- 6.Letter issued from DMO Lohardaga regarding closure of Mining operation to be attached.

Geology & Exploration:

7. 1i) Future exploration programme to be given as per IBM manual2014 in prescribed table as total reserve have been mentioned to be exhausted during the plan period.
- 8.The entire Potentially mineralised area under mining lease has to be explored within five years as per rule 12(4) of MCDR,2017 and accordingly tentative exploration to be completed within five years from the publication of MCDR 2017.
- 9.Area explored under G1-G4 as on 01.04.2014& 01.04.2018 and balance area to be explored as 01.04.2018 to be furnished .Since the lessee holds the surface right of entire lease hold, therefore reserve likely to be left out/unworked may be mentioned consequent to closure with realistic projections.
- 10.Recovery factor and Bulk Density test reports from NABL to be attached both for Bauxite and Chinaclay..
- 11.Feasibility report to be attached.
- 12.Reserve and resource to be categorised on the basis of intensity of exploration, feasibility report and economic evaluation study.
- 13.Reserve calculated as on 01.04.2015 applying various factors like area, depth ,volume , tonnage factor ,recovery factor to be furnished (i,e basis of calculation should be mentioned in detail).
- 14.Latest analysis report from NABL to be attached and10% of Bore hole sample analysed from NABL to be attached.
- 15.Powder factor calculation sheet on the basis of field test for bauxite and OB to be attached..
- 16.P-45/46 Generation of waste & lithomarge during plan period and up to the life of mine need clarification.

17. In P-57, No Sub grade generation have been mentioned where as quantity of subgrade generated during 2022-23 is 10575T may be explained..
18. P-58, How captive mine will sell higher silica Bauxite to refractory and Cement Industry, justify.
19. Table 83, yearwise reclamation data to be verified.
20. Financial assurance table data do not match with existing land use data ,during plan period and after plan period .Accordingly Area considered as fully reclaimed and net area considered for reserve calculation to be reconciled.
21. Certificate from the lessee regarding proposed measures in closure plan will be implemented in time bound manner and
22. Blank format of supplementary lease deed may be detached.
23. Valid CTO(validity 31.12.2015) & Bank Guaranty(31.03.2019) and their present status may be mentioned Explosive licence(31.03.2022) for the plan period to be attached.
24. Latest Ambient air quality and water quality monitoring.
25. All the correction should be made in the PMCP as per above scrutiny as and where required.
26. There are Office, Guest house, Quarters etc within lease area. Therefore ground vibration and noise level Study may be attached.
27. Star rating awarded during previous years to be given,

PLAN & SECTION

- 1. All plan & section should prepared as per rule 31 of MCDR 2017 with shown a scale of the plan at least twenty five centimeters long and suitably sub-divided as per rule 31© of MCDR1988.*
- 2. i). Colour scheme of plan and section do not match.*
- ii) Plan and section do not match*
- iii) . Index colour do not match with features on plan and section.*
- .iV)..Date of last survey and signature of surveyor are missing in plates.*
- V).Top and Bottom R. L. in quarry and benches are missing.*
- vi) Positive and Negative bore holes to be of different colour codes should be marked on Plan and section*

Plan and sections

Positive and Negative bore holes to be of different colour codes should be marked on Plan and section.

Top and Bottom R. L. in quarry and benches are missing. Quarry no to be checked. Letter of mining in common area between Bagru and Bhusar to be attached.

The boreholes not falling under cross-sections lines and has been projected in the section may be written projected 'P' as suffix.