

SCRUTINY COMMENTS ON DRAFT MODIFICATION IN APPROVED MINING PLAN IN RESPECT OF PURNADIH GRAPHITE MINE (81.75 ha.) IN VILLAGE PURNADIH, DISTRICT PALAMAU, STATE JHARKHAND OF M/S MOHAN MINERALS SUBMITTED UNDER RULE-17(3) OF MCR, 2016.

TEXT

01. In the cover page, it is mentioned that, the document has been submitted under Rule 17(3) of MCR, 2016 for modification in the approved mining plan. The validity of the proposals of scheme of mining approved on the last occasion has already lapsed, thereby instead of submitting modification in the approved mining plan, the document should be submitted for Review of Mining Plan under Rule 17(2) of MCR, 2016. Accordingly, corresponding changes may be made in other places of the document.
02. Item 3.3 (iv): Afforestation programme: Exploration proposal mentioned under ‘As achieved’ and ‘Reason for deviation’ should be corrected.
03. Details of approved mining plan/scheme of mining: Mining operation in the mine is discontinued since 2012-13. Date of discontinuance of mining operation should be mentioned.
04. On the surface and other plans submitted along with the document, the name/number of corner boundary pillars mentioned as MM 1, MM2 and MM3 etc.
Boundary pillars of the mining lease area with their latitude and longitude as mentioned in the surface plan were not observed during the inspection of the mine. Though DGPS survey has been completed, the boundary pillars are yet to be maintained as per the provision of the Rule 12(v) of Minerals (Other than Atomic & Hydro Carbons Energy Minerals) Concession Rules, 2016. It was reported that materials for making boundary pillars were stacked in the mine and work is under progress. Therefore an undertaking by the lessee should be incorporated in the document to erect all the boundary pillars with their latitude and longitude.
ii) The photographs of boundary pillars enclosed in the document are not observed during the inspection. Sufficient numbers of photographs of the boundary pillars as per DGPS survey are to be enclosed in the document.
iii) Present photographs of the quarries with caption are to be enclosed in the document.
05. Item 3.4: Status of compliance of violation during last five years should be given in the following tabular format.

Sl.no.	Reference no. and date of issue of Violation letter / Show cause notice	Violation of rules pointed out	Reply status
--------	---	--------------------------------	--------------

06. Geology and exploration:
Reserve and resource as per UNFC: The length influence of graphite vein considered 50 mts for calculation of resource & reserve appears to be on higher side for a vein deposit like graphite. Length of graphite vein for calculation of measured mineral resources should be considered 5 mts on either side of the each quarry and for calculation of indicated mineral resources it should be considered further 5 mts on either side of the quarry. Accordingly the reserve may be re-casted.
07. Chapter 6.0, Processing of ROM and Mineral Reject: There is proposal to sell crude graphite ROM to purchasers in the submitted document whereas under mine lay out and ROM transportation it is mentioned that the ore will be transported by tippers to the applicant’s plant located at a distance of about 1.0 km.
08. Financial Assurance: Under computation of financial assurance, it is mentioned balance area under use is 11.88 ha may be corrected.
09. Annexure 14: Quarry no. 4 and 5 have not been considered for calculation of measured mineral resources by surface area method within quarry. May be corrected.

PLATES

01. The DGPS surveyed map/report has not been submitted along with the document. The surface plan, geological plan and other plans should be prepared based on the DGPS surveyed map.
02. The Surface plan is not signed by the surveyor.
03. Geological Plan and sections:
 - i) The Graphite vein no. V1, V2, V33 and V34 are not shown in the geological plan.
 - ii) RL no. in section A1-B1, A2-B2, A3-B3, A4-B4, A5-B5, A6-B6, A7-B7, X1-Y1, X2-Y2, X5-Y5 are not shown.
 - iii) Vein number in section X10-Y10 are not shown.
04. Development Sections, 2017-18 to 2019-20 (Plate no. 5A to 7A):
 - i) RL no. in section X13-Y13, A5-B5, X9-Y9, A3,B3, A5-B5,X6-Y6, A4-B4, A7-B7,A-5-B5 are not shown.
05. Conceptual section (plate no. 10A):
 - i) RL no. in section X6-Y6, X4-Y4, A4-B4 and A5-B5 are not shown.
 - ii) Proposed plantation not shown in section A4-B4 and X16-Y16.
06. Environment Management Plan (plate no. 9):
 - i) In the index year mentioned as 2015-16, 2016-17 and 2017-18 are to be corrected.
 - ii) Index of parapet wall and garland drain not shown in the third year.
07. Reclamation Plan / Dump Plan (plate no. 11):
 - i) In the index year mentioned as 2015-16, 2016-17 and 2017-18 are to be corrected.
 - ii) Index of parapet wall and garland drain not shown in the third year.
