

**SCRUTINY OF DRAFT REVIEW OF MINING PLAN IN RESPECT OF RABDA GRAPHITE MINE
(31.76 HA) IN VILLAGE RABDA, DISTRICT PALAMAU, STATE JHARKHAND OF
SHRI H.K.PODDAR SUBMITTED UNDER RULE- 17(2) OF MCR, 2016**

TEXT

(1) 3.4: Violation issued vide letter dated 16/12/2016 and its compliance has not been mentioned in the table.

Geology and Exploration:

(2) It is mentioned that the graphite occur as veins of thickness varying from 1.0m to 30m in the lease area. The length of influence considered 50m and 75 m for a vein deposit should be re-checked.

(3) Table 1.5: Code for mineral resources under category 'Indicated' should be corrected as 332.

(4) Table 1.6: Code for category of resources should be mentioned.

(5) 1.0(A)(e); The NABL certificate of accreditation and scope of accreditation of 'Sun-Tech' laboratory where chemical analysis of graphite has been carried out should be submitted.

(6) Recovery factor and Bulk density should be checked based on field test.

Drilling and Blasting:

(7) (a) Page no. 2-ix: Calculation for arriving powder factor 0.125t/kg for graphite production may be explained.

b) Type and grade of explosives to be used for blasting should be mentioned. 14 kg explosives used per hole of 32mm diameter of 1.5 depth of hole appears to be on the higher side. Explosive consumption with calculation should be furnished along with charge per hole of jackhammer drill of 32mm dia. Nothing has been mentioned about sub-grade drilling.

c) Nothing has been mentioned about storage of explosives to be used for blasting.

d) The unit 6 kgf/sq.m given for jackhammer drill should be checked.

PLATES

(1) Geological plan and section: (plate no.4 & 5): i) The safety barrier is not accurate in all the sections and are to be revised. In the section along 50N, 00, 50S, 150S, 200S, section along 00 (Q-3), 50E (Q-3), 100E, 150E, 100W, 50W, 200W,150W,500W, 550W infrastructure, village road barrier, nala, road, trench, pond etc. are not shown properly which are to be revised.

(2) Development plan: (plate no. 6A, 6B, 6C): All the year wise development plans should be revised showing year wise development with proper colour code. ii) Safety barrier are not accurate in some of the sections which are to be revised.

(3) Dump Plan: (plate no. 7): Colour index given for proposed dumping plan period not matching with section.

(4) Conceptual sections (plate no. 9): i) Safety barrier are not accurate in some of the sections which are to be revised.
