

**SCRUTINY COMMENTS ON DRAFT REVIEW OF MINING PLAN IN RESPECT OF MURLI PAHARI LIMESTONE MINE (OVER AN AREA OF 53.378 HECTS.) IN VILLAGE MURLI PAHARI, DISTRICT ROHTAS, STATE BIHAR OF M/S KALYANPUR CEMENTS LTD. SUBMITTED UNDERRULE-17(1) OF MCR, 2016.**

**TEXT:**

Category of the mine whether 'A category' OTFM or 'A category' Fully Mechanised should be mentioned in the cover page. In the cover page, submitted under rule 17(2) of Minerals (Other than Atomic and Hydro Carbons Energy Minerals) Concession Rules, 2016 should be mentioned.

Recognised Person may be corrected as qualified person under item 1 of the consent letter / undertakings /certificate from the applicant. As the DGPS survey of the area has not been carried out by the lessee, item 2 of the consent letter / undertakings /certificate from the applicant may be modified.

The heading certificate from RQP may be corrected.

Page no. 3: The list of mining leases granted in the name of the lessee/company has not been given under annexure 10 as mentioned. The list of mining leasehold areas held by the lessee and their status should be furnished.

**Item 3.3: Review of earlier approved proposal:**

Under the review of earlier approved proposal, details on exploration and mine development should be furnished separately for proposal and actual work done during the plan period.

(b) The dimensions of the existing quarry should be furnished.

**Status of compliance of violations pointed out by IBM:**

The details of violation letter, show-cause notice etc. issued by IBM, Ranchi during the last three years & their compliance position submitted by the company may be furnished in the following table and copies are to be enclosed as annexure.

Sl. no	Letter reference with type of correspondence like Violation letter / Show Cause Notice etc.	Violation of rule/rules pointed out	Compliance status
--------	---	-------------------------------------	-------------------

Page 13: Details of sample analysis: The NABL certificate of accreditation along with scope of accreditation of the laboratory where the limestone samples have been analysed has not been enclosed in the document.

**Mining:**

(a) Year wise development / production: During the year wise proposal from 2018-19 to 2021-22, number of benches to be developed in overburden and ore zone with their dimensions have not been furnished.

(b) It is mentioned that the OB and waste to be generated during the year 2018-19 to 2021-22 will be utilised for back filling in north east of the lease area but same has not shown on the plan.

Page no. 18: Year wise tentative excavation: The year wise figures for tentative excavation from 2018-19 to 2021-22 have been furnished in the table but the pit wise / bench wise calculation for arriving the year wise figure indicating development, ROM, OB/SB have not been furnished.

**Page no. 23:** Sites for disposal of OB/waste: It is mentioned that the OB/waste will be simultaneously backfilled but the location of backfilled area, quantity of disposal of OB/waste etc. are not discussed. Also the locations of year wise disposal of OB/waste are not shown in the plan.

**Page no. 24:** Proposed water reservoir mentioned under conceptual waste management not shown in the conceptual plan.

**Page no. 27:** Under proposed dumping ground within lease area it is mentioned that the lumpy reject stone/shale encountered due to mining will be stacked separately. Location of proposed dumping ground to be discussed in the text as well as in the plan.

**Page 32:** Water quality: i) Analysis report for water quality from a NABL accredited laboratory or from a Govt. Laboratory has not been enclosed.

ii) Quality of air: Ambient Air quality analysis report from a NABL accredited laboratory or from a Govt. Laboratory has not been enclosed.

**Page 40: Item 8.3.1: Mined out land:**

It is mentioned that the reclaimed area will be rehabilitated by way of afforestation. But the year wise proposal for plantation programme during the mining plan period giving details such as location of proposed plantation, no of plants, area to be covered under plantation, species of plants, expected survival rate etc. have not been furnished.

ii) The area covered under plantation, no. of plats, species etc. have not been discussed under the chapter.

**Page 44: Financial Assurance:**

(a) Financial Assurance required under Rule 27(1) of MCDR, 2017 has not been submitted.

(b) The area furnished under existing land use pattern in page no. 32 is not matching with the area put on use at start of mining plan (column c) of the table indicating break-up of areas in the ML for calculation of Financial Assurance.

(c) The reason for reducing 2.0 ha of area from waste dump site under column (d) of the table has not been mentioned.

(d) The amount of financial assurance calculated is Rs136.53 lakh but the amount of financial Assurance to be submitted mentioned as Rs 137 lakh. The correct amount of financial assurance to be submitted in the form of Bank Guarantee should be mentioned clearly.

(e) The status of old bank guarantee has not been mentioned.

**GENERAL:**

i) All the tables furnished should be numbered for ease of reference.

iii) Caption should be given for the photographs enclosed in the document. Some more photographs of the boundary pillars, existing plantation etc. should be enclosed.

ii) Typing mistakes should be corrected.

**PLATES:**

**1. Financial Assurance Plan:**

The table indicating the break-up of areas in the mining lease for calculation of Financial Assurance may be given in the plan.

**Geology:**

1. The DGPS surveyed map/plan in compliance to the CCOM's circular No. 2/2010 dated 6.4.2010 has not been enclosed.

2. Undertaking with regards to maintenance of boundary pillars as per MCR,2017 to be enclosed. Photographs of pillars with co ordinates to be enclosed,

3. Copy of Khasra Map received during extension of lease, duly authenticated by Competent Authority may be enclosed.

4. Para3.4, suspension letter from IBM not enclosed and accordingly para 3.5 needs to be modified.

**Geology and Exploration:**

5. Reference of stratigraphic succession including formation may be given.

6. Justification of Bulk density and recovery factor based on field test may be given with calculation sheet.

7. Borehole log data and analysis report of 21 existing boreholes M1-M8 and NM1-NM-13 to enclosed.
8. Structural features like dip, strike, fold, fault, and proposed boreholes not shown on Geological plan & Sections. Future exploration programme of 19 Boreholes to tabulated year wise & reserve should be re-assessed after completion of the bore hole within the time frame proposed and proposal accordingly be made in text.
9. Reserve and resource calculation sheet, calculated on the basis of existing boreholes as per UNFC norms to enclosed .

**PLAN & SECTION :**

1. All plan & section should prepared as per rule 31(1) of MCDR, 2017 with shown a scale of the plan at least twenty five centimeters long and suitably sub-divided as per rule 31(1) of MCDR, 2017.

- 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) Top and Bottom R. L. in quarry and benches are missing.

**2. Plate no.-1. (Key plan).**

Co-ordinates may be given and longitude and latitudes lines to be shown on plate.

**3. Plate no.-4( surface plan plan).**

Surface plan may be prepared as per Rule 32(1)(a) of MCDR, 2017. Coloured Photographs of boundary pillars showing co-ordinates to be enclosed and numbered as shown on surface plan.

**5. Plate no.-5&6. (Geological Plan and Section)**

Surface Geological plan may be prepared as per Rule 32(1)(b) of MCDR, 2017. Plan and section as well as colour scheme with index do not match. Structural features not shown. Proposed boreholes not marked, Existing dump to be shown with top and bottom RL.

**6. Plate no.-7-10( Year wise development plan and section)**

Plan and section do not match. Year wise quarry development with top and bottom bench RL may be shown. Proposed Plantation, Reclamation, dump with top and bottom RL during the year may be shown.

**7. Plate no.-14( Reclamation Plan)**

Proposed Year-wise reclamation with different colours may be marked on plan.

\*\*\*\*