

SCRUTINY OF DRAFT MODIFICATION IN APPROVED MINING PLAN IN RESPECT OF NEW BANJARI LIMESTONE MINE (12.16HA) IN VILLAGE BANJARI, DISTRICT ROHTAS, STATE BIHAR OF M/S KALYANPUR CEMENTS LTD. SUBMITTED UNDER RULE-17(3) OF MCR, 2016

(1) The DGPS surveyed map/report has not been submitted along with the document in compliance to CCOMs circular No.2/2010.

(2) 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 mining plan approved in 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.

(3) (i) In the consent letter / undertakings / certificate from the nominated owner, the consent has been given for modification in mining plan/Scheme of mining. The consent should be given for preparation of Review of Mining Plan, under Rule 17(2) of MCR, 2016.

(ii) In view of the above observation, the certificate from the person qualified to prepare the **Review of Mining Plan** may also be modified accordingly.

Introduction:

All the mining leasehold areas held by the lessee should be furnished in the table.

Chapter III, Details of approved MP / SoM

4) Item 3.1: The Scheme of mining of New Banjari limestone mine has been last approved on 29/06/1999 by IBM. Detail of the same and its validity period has not been furnished.

ii) The letter no. of the mining plan approved on 27/9/1989 may be corrected and copy of the approval letter of the same may be enclosed.

iii) The Scheme of mining of New Banjari limestone mine has been last approved on 29/06/1999 by IBM for the period from 1998-99 to 2002-03. Clarification for such lapses should be given.

5) Item 3.3 (i) to (vi): It is mentioned that 'no mining scheme was prepared'. In view of the above observation, same may be corrected and review of the approved proposals of scheme of mining under each item may be furnished.

6) Item 3.4: i) The Scheme of mining of New Banjari limestone mine has been last approved by IBM on 29/06/1999 for the period from 1998-99 to 2002-03. Violations of rule 12(3), 13(1) and 23B(2) of MCDR, 1988 have been pointed out vide letters dated 21/12/2011, 18/06/2012, 21/10/2013, 23/07/2014, 04/02/2015, 26/03/2015 and 15/02/2016 for non-submission of scheme of mining. Under the review of compliance of violations pointed out by IBM, it has been mentioned that the violations pointed out by IBM have been complied by the lessee. Since the scheme of mining of New Banjari limestone mine has not been submitted / approved, the violation pointed out for rule 12(3) of MCDR, 1988 continues to exist as on date. Same may be corrected and clarified.

ii) Violation cum show-cause notice pointed out vide letter no. BIH/ROH/LSt-353/RRO dated 15/02/2016 has not been mentioned.

7. PART A, Geology and Exploration

Item e: i) Year of exploration by diamond core drilling as mentioned have not been mentioned.

ii) Bore hole log of 4 bore holes have not been enclosed in the document.

iii) Analysis report from NABL accredited laboratory or from a Govt. Laboratory of the samples collected from 4 bore holes have not been enclosed in the report.

iv) Form J (Notice of sinking shafts & boreholes) under rule 47 of MCDR,1988 for drilling the boreholes has not been submitted.

Item j: Feasibility study report not submitted.

Item k: The reserve assessment has not been supported with borehole data. Due to lack of borehole data, the reserve estimate may be re-casted.

8. Mining

i) Under bench design parameters it is mentioned that 'In ore manual mining having bench size 3mX3m size is made' is not clear. May be explained.

The average grade of limestone given in the document has not supported by a valid chemical analysis report from a NABL accredited laboratory or from a Govt. laboratory.

ii) No. of excavators may be checked.

iii) Under limestone transportation, lead distance, no. of trips and no. of tippers required may be checked.

iv) Basis of considering powder factor for OB removal and limestone production may be given.

v) Page 37: Under blasting parameters, burden and spacing parameters for overburden may be checked. Calculation for arriving powder factor 5t/kg for OB removal and 7t/kg for limestone production may be explained.

vi) Page 39: Reclamation & rehabilitation: The calculation of figures furnished for generation of wastes during excavation of ore during 2017-18 and 2018-19 may be explained.

vii) Page 27: Under chapter 2.0 (A)(b), in the table for Insitu tentative excavation, there is no generation of waste during the year 2019-20. Only 2477 cum. of generation of mineral reject has been shown in the table. In page 39, under reclamation and rehabilitation, 2477 MT generation of waste shown during the year 2019-20 and proposed to dump the entire OB & waste in the dump yard.

Under chapter 5.0 (Use of Mineral and Mineral Reject), it is mentioned that lessee is utilising shale (reject) also. Same may be discussed and explained.

vii) Page 41: Under table details of green belt, total area may be corrected.

9. Stacking of Mineral Reject/Subgrade material & Disposal of waste:

i) Under item (a) topsoil, overburden & waste, generation and disposal of topsoil has not been discussed.

10. Processing of ROM and Mineral Reject

i) It is mentioned that 'the total ROM ore will be sorted out by hand picking and mechanical screening at mine site. Only large lump of limestone of the lateritic contact zone will be broken into small pieces up to 10cm size to prevent iron & silica'. During inspection of the mine, these operations were found to be carried out by mechanical means. Same may be clarified.

ii) There is no existence of laterite in the leasehold. Same may be clarified. Also the processing of mineral and mineral reject should be discussed properly.

11. Other

i) Under employment potential, employment of one part time mining engineer has been given. Since the mine is category A (OTFM), a fulltime mining engineer required to be employed under rule 42(1)(c)(i) of MCDR,1988.

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

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

iv) Rain fall: Period of rainfall mentioned between December to March may be checked.

v) Public building, places of monument: It is mentioned that no public building located near the leasehold area, whereas boundary wall, office building and cement plant etc. located near the lease area.

12. PMCP:

i) **Environment:**The proposed plantation schedule for each year has been furnished under ‘Details of Greenbelt scheme’ and the plantation has been proposed on the periphery of the lease boundary only. The anticipated life of the mine is about three years and reserve will be exhausted within this plan period. The proposed plantation has not been considered over the dump yard. Same may be explained.

ii) The entire plantation has been proposed on the periphery of the lease boundary only. The anticipated life of the mine is about three years. Generation of waste after three years is nil. The proposed plantation during plan period is 1125 saplings. The no. of plantation at the conceptual stage is also 1125 saplings, whereas in the conceptual plan the entire dump yard has been shown under plantation. The plantation over the dump yard has not been discussed in the text.

iii) The location co-ordinates of proposed plantation may also be furnished by adding one more column in the table.

iv) The total area covered under plantation under ‘Details of Greenbelt scheme’ may be corrected.

v) The name of the species recommended for plantation in the lease area has not been given.

vi) **8.3.2 : Topsoil management:** Top soil generation and its disposal has not been discussed, instead generation of OB and waste discussed.

vii) **8.3.5 : Summery of year-wise proposal:** There is proposal of expenditure ‘cost involved’ in the table for the year 2017-18, 2018-19 and 2019-20. Same has not been clearly discussed.

viii) Proposal of number of plants for the year 2019-20 may be checked with “Details of Greenbelt Scheme” on page no. 41 and in page no. 58. Same may be corrected.

ix) The certificate for ISO-9001:2008 for environment management on risk assessment has not been enclosed.

x) 8.6: Amount of Financial Assurance is to be recalculated as per the rates given under Rule 27(1) of the Mineral Conservation and Development Rules, 2017 notified vide G.S.R. 169(E), dated 27.02.2017. The financial assurance (in original) should be submitted alongwith the final copy of Mining Plan.

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, topsoil dump, existing plantation etc. should be enclosed.

ii) Typing mistakes should be corrected.

PLATES:

1. Surface Plan:

i) The signature of the surveyor is missing in the surface plan.

ii) At least three permanent ground control points situated outside the lease area should be selected and latitude & longitude of these ground control points may be furnished. Moreover, these ground control stations need to be linked with the boundary pillars.

2. Geological Plan and Section:

Geological sections A-B, C-D, X-Y, X₁-Y₁, X₂-Y₂, X₃-Y₃, I-J, G-H and E-F are not matching with the geological plan. The sections should be re-drawn.

3. Year-Wise Development Plan:

i) Development sections X-Y, X₁-Y₁ and I-J are not matching with the Development Plan for the year 2017-18.

ii) Development sections X₂-Y₂, X₃-Y₃ and I-J are not matching with the Development Plan for the year 2018-19.

iii) Development sections X₃-Y₃ is not matching with the Development Plan for the year 2019-20.

4. Environment Management Plan:

i) There is no generation of waste during the year 2019-20. Proposed waste dumping during the year has been shown in the index.

5. Conceptual Plan:

i) In the text, the entire plantation during the plan period (2017-18 to 2019-20) has been proposed on the periphery of the lease boundary only. The proposed plantation during plan period is 1125 saplings. The anticipated life of the mine is also three years and the no. of plantation at the conceptual stage is also 1125 saplings, whereas in the conceptual plan the entire dump yard and topsoil dump has been shown under plantation. Same may be clarified.

ii) There are four boreholes shown in the Geological plan whereas five boreholes have been shown in the Conceptual Plan.

6. Reclamation Plan:

i) There are four boreholes shown in the Geological plan whereas five boreholes have been shown in the Reclamation Plan.

ii) The topsoil dump shown in the northern boundary of the lease area has not been utilised for reclamation / rehabilitation of the mined out area.

7. Financial Assurance Plan:

i) There are four boreholes shown in the Geological plan whereas five boreholes have been shown in the Financial Assurance Plan.
