

Table Scrutiny comments on examination of Modified Mining Plan including PMCP of Kachavaram Limestone Mine over an area of 283.585 Hect. of M/s Shree Cement Limited in Kachavaram Village, Karempudi Mandal, Guntur District of Andhra Pradesh State.

- 1) **General oversight & Cover Page:** (a) It is informed that a Mine Development Production Agreement (MDPA) has already been signed between the Government of Andhra Pradesh and the lessee over the limestone production approved in the mining plan document consumerate with the feeding capacity of 2.4 million tonnes per annum clinker plant. Now, it is proposed to reduce the capacity of the plant to 1.00 million tonnes per annum. It is pertinent and prudent to be ratified by the Government of Andhra Pradesh in the form of "No Objection Certificate". (b) Instead of blank column/row, N.A. or appropriate information may be given for better identification with proper justification in the Remarks column. (c) **Cover Page:** Appropriate Rule for Modified Mining Plan & Progressive Mining Plan, Name of the Lessee with complete postal address & valid contact details, IBM Registration no., Mine Code, Lease Period, Five Years Block Period for MP/RMP, MMP Period, etc. should be mentioned in the cover page. (d) All the pages of the document including annexure should be numbered and duly signed by the Qualified Person for better authenticity. (e) The submitted draft Modified Mining Plan has not been digitally signed by both the Qualified Persons. (f) Since the modification of the Approved Review of Mining Plan has been submitted in the month of October 2021, hence, retrospective proposal from April 2021 may not be accepted. Further, necessary corrections should be done in all the respective places. Further, all the proposals should start from 01/11/2021 onwards. (g) Instead of Year 1, 2, 3, specific financial year should be mentioned in all the respected places of this document.

Chapter No. 1.0: General Information

- 2) (a) Para 1.1: Five Year Block period in the form of Financial Year should be mentioned. (b) Para 1.2: Nature of 2.307 Ha. area/land should be mentioned.

Chapter No. 2.0: Geology and Exploration

- 3) (a) Para 2.1.2: Name of the River/Nallah, Public Road, Human Settlements are to be written in this table. (b) Para 2.1.3: Source of the Geological Succession should be mentioned for reference. (c) Para 2.2.1.1: Geological mapping scale written in the document is not correct. (d) (e) Para 2.2.4.12: Category wise detail calculation of the mineral reserves should be given along with the average grade of all radicals.

Chapter No. 3.0: Mineral Beneficiation / Processing

- 4) (a) Para 3.1: Instead of CaCO₃, a Term 'Limestone' may be used supported with average grade of all radicals. (b) Para 3.5: Whether dry screening is installed in the crushing circuit or not may be described. (c) Para 3.10: Flow sheet of the crushing unit should be given. (d) It should be clearly mentioned that all excavated ROM/Ore having grade above the threshold value of limestone i.e. 34% CaO, will be utilised in the clinker plant.

Chapter No. 4.0: Mining

- 5) (a) Para 4.1.2: Proposed method of mining should be elaborated considering the achievement of the proposed production target in manner of scientific, systematic and sustainable development. (b) Para 4.2.2.2: (i) Location of the year wise development and production should be given in the form of range of latitude and longitude (UTM Co-ordinates). (ii) Ore to OB ratio has not been calculated. (c) Para 4.4.5.3: Complete details of drilling machine like diameter of the drill hole the hole depth to be mentioned. (d) Para 4.7.2: UTM co-ordinates should be used for the waste dump locations and the mineral stock yards for better identification. (e) Para 4.9: Chemical specification of the limestone with all relevant radicals for captive use should be given.

Chapter No. 5.0: Sustainable Mining

File No.: AP/GNR/MP/LST-135/HYD

- 6) (a) Para 5.1: All the essential information should be given based on the proposed production during five year plan period as well as proposed CSR activities under company act. (b) To improve the Ratings under the Sustainable Mining, all the parameters may be considered and likely to be covered, as prescribed in the template as well as in the manual. (c) Brief description related to the sustainable mining may be given.

Chapter No. 6.0: Progressive Mine Closure Plan

- 7) (a) Para 6.2.1: Area in ha. that will be utilised for stacking of the waste/overburden during this plan period may be given. (b) Para 6.2.2.2: During inspection it has been found that numbers of tube wells are kept abandoned within the lease area. Hence, proposal for conversion of these abandoned tube wells into ground water recharge points should be given. (c) During inspection it has been observed that the Khasra no. 995 is not a part of mining lease, but it is situated within the mining lease boundary. Hence, a suitable protective measure should be taken around the Khasra no. 995.

Chapter No. 8.0: Review of Previous Proposals

- 8) (a) Review should be given for the earlier approved Mining Plan dated 03/08/2012 and the Review of Mining Plan approved dated 24/11/2020. (b) Since the mining operations are yet to be commenced, hence, an appropriate reason for non achievement of the proposal should be given in the remarks column. (c) Para 5.1: Description of the sustainable mining implemented during last five years may be given based on the proposed production of limestone.

Plates:

- 1) **General:** Identification number/Plate no. should be given for the lease map.
- 2) **Plate II; Key Plan:** (a) Co-ordinate range of the mining lease area may be drawn. (b) Grid co-ordinates should be marked in the plan.
- 3) **Plate IV; Surface Plan:** Since the mining lease has been granted in two different blocks, hence, nomenclature of these two different blocks should be done for better identification.
- 4) **Plate VI(A) to VI(E); Production and Development Plan and Sections:** (a) Subsequent changes in the RL of Topsoil, Waste and Reject dumps should be marked in all the plans and sections. (b) Specific financial year should be written in all the plans and sections. (c) Production and development plan & sections does not reflect the actual working proposed during plan period. (d) Advancement of the benches in terms of changes in the RL should be marked in all the relevant plans and sections. (e) Subsequent changes in the RL of Topsoil, Waste and Reject dumps should be marked in all the plans and sections for better identification. (f) In most of plans and sections, area proposed for the development and productions have not been marked. (g) Haul road, ramp and other relevant features have not been marked in any of the plans and sections. Further, approach road from working pit to the mineral stock yard and the waste dumps should be marked in all the plans and sections.
- 5) **Plate VII; Environment Plan:** Colour coding for 500 m boundary from the mining lease area should be cross checked and corrected accordingly.
- 6) **Plate VIII; Conceptual Plan and Sections:** Conceptual sections are not matching with the plan. Further, section does not indicate the conceptual stage of the mine.
- 7) **Plate XI; Financial Assurance Plan:** (a) A detail calculation table should be given in the plan. (b) Area utilization in different heads should be marked with the distinct patterns for better identification in the plan.
