

**Scrutiny Comments on Modification to the Approved Mining Plan with PMCP for Periyagalur Limestone mine over 2.80 hectares in Periyagalur - Village, Ariyalur-Taluk and Ariyalur - District, Tamil Nadu State of M/s. TAMIN Limited. Mine code-38TMN38014 (Inspection of Mine carried on 19/08/2017)**

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1. General :

- a) The "Modification on approved modified scheme of mining" should be replaced by "Modification to the Approved Mining Plan" on cover page and in the text.
- b) With the introduction of new MCR 2016, the provision of RQP has been removed, hence, RQP details like validity, number, etc., should be replaced with details of qualified person. Necessary documents for the purpose of credentials checking like qualification, experience may be enclosed.

2. Part-A

- a) Mobile number of the exploration agency should be given.

3) 2.0 Open Cast Mining:-

- a) The top soil generated earlier should be utilized for spreading in lock-up benches and adequate plantation should be done on it.
- b) Break-up of cost of mining should be given.

c) Page-28, item d:- Year-wise Production programme shows total production for the year will be 1,88,180 MT out of which 74,549 MT is already achieved the exploitation of balance quantity from the proved reserve in category (111) is not mentioned. Also life of mine is wrongly mentioned in page-25.

d) Item f: Conceptual Mining plan should be given for remaining period.

4. Reclamation & Rehabilitation:- Why there is no proposal of Reclamation and rehabilitation during the period there must be rehabilitation programme for the mined out area.

5. Para 8.3.5 :- Progressive Reclamation Plan number of sapling to be planted during the period is not given. Cumulative number of plants/cost /rehabilitation by making water reservoir etc. not given . blank table for reclamation and rehabilitation is not acceptable.  
8.6 Financial Assurance as per MCDR-2017 should be re-calculated as per category -A Mines and furnished.

6. It is evident from the Surface Plan that a power line is passing through the center of Survey No.293 of lease area, and a dump all along the boundary is existing. The details of shifting of both activities have not been discussed anywhere in the text.

7. Copies of Environmental Clearance certificate and Pollution Clearance certificate may be enclosed.

8. Photographs of boundary pillars erected as per CCOM Circular may be enclosed.

9. Tables:

- a) Table No.1: The extent of Survey No. 305/2 & 3 furnished as 1.88 hectares is incorrect which may be corrected.

- b) Table No. 11, 12 & 15: The estimation of reserves and resources is not matching with the sections drawn. The same may be verified and restricted to subject area 2.80 hectares only.
- c) Table No. 22: The dimensions of the benches furnished in year wise production programme are not tallying with the sections drawn on PQ-AB, RS-CD and RS-EF. Further, it is stated that 68346 tonnes of limestone will be removed from northern block which is contradictory with the statement at Para 3.1 in Page no. 10.
- d) Table No. 23: The overburden mentioned is 1.674 M<sup>3</sup> which is contradictory with the overburden mentioned in Table No.22.
- e) Table No. 24: A quantity of 1674 tonnes of overburden and 1000 tonnes of top soil has been estimated as generation of waste and proposed to dump along the boundary of northern block. The overburden and top soil should not be mixed and they should be stacked separately.
- f) Table 37: The totalling in the net area considered for calculation column is wrong.
- 10) Annexure-XII: The monitoring environmental parameters data enclosed is very old. The latest seasonal environmental monitoring data may be submitted.

11. Plates:-

- 1) The shape and size of the lease area plotted in all plans is not matching with the (dimensions and shape of lease area) authenticated lease sketch.
- 2) Plate No. 6: Sections drawn on RS and PQ are wrong. The correct profile as per the reduced levels may be redrawn.
- 3) Plate-8:- Conceptual Plan – RL should be mentioned in the conceptual plan and next plan period should be shown for balance reserve in category (111).
- 4) No waste/TOP soil should be dumped in 7.5 Mtr area along the mine boundary as its already contains topsoil and only plantation should be done the remaining topsoil should be spread in locked up benches and adequate plantation should be done.
- 5) Plate-11 :- Dump Plan and section should be changed as per point no-2.
- 6) All plans and section should be signed with date by surveyor conducted the survey. Latest surveyed.