

Scrutiny Comments on Modification to the Approved Mining Plan with PMCP for Anandavadi Limestone Mine over an area of 110.68.5 hectares in Anandavadi Village Sendurai -Taluk and Ariyalur-District, Tamil Nadu State of M/s. Tamilnadu Cement corp. limited. Mine code-38TMN38002(Date of MCDR Inspection-17/06/2018).

- 1) Para 3.3.1:-_Exploration proposals:- The Applicant has not made exploration as per approved mining scheme but proposal made in Mod. MP is from BH-6 to BH-20 whereas the same should be BH-01 to BH15 in Page 22.
- 2) Para 2.A(b):- Indicate year wise tentative excavation In Cubic meters- the proposal should be given for remaining period of the year 2018-19 from July 2018 onwards.
- 3) Page 25, Reserves:- The latest threshold value as per the new notification may be discussed. The estimation of reserves calculations are not discussed in the text. Supporting calculations needs to be furnished.
- 4) Para 4c:- Stabilization of Dumps:- In Stabilization of dumps it is wrongly mentioned that there is no need of dump stabilization as the height is 1 to 1.5 mtr but during inspection it is found that it is more the 10 mtr and also same has been mentioned in earlier paragraphs, hence the stabilization of dumps is to be discussed at page 40.
- 5) Reclamation and rehabilitation:- since the thickness of limestone is only 15 meters hence proposal should be made for backfilling of mined out area from 2019-20 onwards.
- 6) Recent Environment monitoring data as per last scheme of mining is to be enclosed as Annexure.
- 7) Para 8.3.1:- it is proposed to make water pond at the end of mine but since the limestone thickness is only 15 mtr suitable backfilling with plantation should be proposed apart from partial water pond in the mined out area.
- 8) Proposed afforestation programme:- it is mentioned that TNPL is involved in plantation but the afforestation program should be conducted by lessee and no trees should be cut as mentioned. No eucalyptus should be planted as the area is dry with very low rainfall and water table may get affected if plantation of eucalyptus is made instead fruit bearing tress should be planted.
- 9) Summery of year wise PMCP- "nil" table is not acceptable, hence suitable PMCP in the heading like dump management, afforestation, reclamation and rehabilitation etc. should be proposed.
- 10) The conditions of the ML grant order was not considered while preparing document. All the conditions should be taken care and propose workings accordingly both in text and in plates.

Plates:-

- 1) Plateno-4 – the proposed bore hole from 1 to 5 is shown but is not mentioned in the text.
- 2) Plate no-5- the name of cross-section should be mentioned instead along Bore hole number- it is not matching.
- 3) Plateno-3- the plantation already taken out should be removed from the plate.

- 4) Year wise development and production plan-
 - a) The UPL shown is not throughout the lease.
 - b) the proposed dumping should be removed, and adequate reclamation should be proposed as discussed during the inspection.
 - c) proper benching should be made in section with UPL shown correctly.
 - d) Separate year wise sections need to be drawn.
- 6) Conceptual plan & section should be shown for reclamation and rehabilitation.
- 7) Statutory barrier of 7.5 m. is not marked in plans. Safety buffer for panchayat roads passing adjacent to ML is not marked.
- 8) Coordinates of the lease area plotted are incorrect, resurvey may be carried out and furnish correct coordinates.

Annexure:-

- 1) only certificate of incorporation should be enclosed.
- 2) Recent environment monitoring data should be enclosed.
- 3) Copy of application made for EC of 1.5 Million tones should be enclosed.
- 4) Each Annexure should be signed by QP.
- 5) Annexure 12 not containing any details of estimation.
- 6) The enclosed TNPC got expired. Renewed copy may be enclosed.