

Agenda No. 129-14 :

(File No. 6793/2019)



Proposed Quartz Feldspar Quarry at SF No. 58 over an extent of 4.07.0 ha S.F.Nos.103,104/1A,&112, of Punganthurai Village,Dharapuram Taluk, Erode District (Now Tiruppur District), Tamil Nadu by Tamil Nadu Minerals Ltd – For Environmental Clearance.

(SIA/TN/MIN/ 27281/2018)

The proposal was placed in the 129th SEAC Meeting held on 17.05.2019. The project proponent gave detailed presentation. The salient features of the project as presented by the proponent are as follows:

1. The Government of Tamil Nadu has granted Quartz Feldspar mining lease over an extent of 4.07.0 ha S.F.Nos.103,104/1A,&112, of Punganthurai Village,Dharapuram Taluk, Erode District (Now Tiruppur District), Tamil Nadu vide G.O. Ms. No. 4(D), Industries Department dated: 25.10.2006 for the period of 30 years from 31.12.2007 to 01.01.2027.
2. The Mining Plan for Quartz and Feldspar for Punganthurai Quartz and Feldspar mine in S.F. No. 103, 104/1A,&112, of Punganthurai village, Dharapuram Taluk, Tiruppur District, Tamil Nadu State was approved by the Joint Director, Department of Geology and Mining, Chennai vide reference Roc. No. 3376/MM6/2001, TN/EDI/DRPM/PNDRI/QF/05-2006, dated: 31.03.2006.
3. In respect of Punganthurai Quartz & Feldspar Mine over an extent of 4.07.0 Ha in S.F. Nos. 103,104/A&112 of Punganthurai Village, Dharapuram Taluk, Tiruppur District pertaining to the years 2016-2017 to 2020-2021 was submitted for approval and the same has been approved by the Additional Director of Geology and Mining, Chennai vide letter No.7675/MM10/2018/TPR/Q&F05OM, dated, 04.01.2019.
4. This project pertains to mining of Quartz and Feldspar mineral with peak yearly production capacity of about 52,434 tonnes of ROM of Quartz and Feldspar and 7,865 tonnes of recoverable Quartz and Feldspar mineral per annum.

5. The project is situated at a distance of about 3.8 km north west of Punganthurai village, at about a distance of about 20 km on south east direction of Kangeyam town. It can be easily accessible by a metalled road connecting Uthiyur and Kambiliyampatti by branching road connecting Vanavarayanallur and Valasapalayam that lies at a distance of about 1km North of Vanavarayanallur.
6. The area is marked in the Survey of India Topo sheet No. 58-F/9. The area lies in the Eastern Longitude from 77° 34' 29.16" to 77° 34' 54.68" and Northern Latitude from 10° 53' 17.45" to 10° 53' 31.13".
7. The lease area does not include any forest land. No ecologically sensitive features like national parks, biospheres, sanctuaries, elephant corridors, Tiger reserves, flight paths of migrating fauna, etc occur in core & buffer areas of the project. The area does not come under CRZ category.
8. Updated Mineable reserves have been computed as 2,23,755 tonnes of ROM (33,563 tonnes at the rate of 15% recovery). The life of the mine is anticipated to be 5 years based on the proposed peak production of 52,434 tonnes of ROM (7,865 tonnes of 15% reserves).
9. The mine development and production will be adopted through semi mechanized method. Mega rock breaker is used for the extrication of quartz and feldspar minerals and therefore drilling and blasting will be minimized.
10. The stockyard for Quartz mineral will be formed within the lease hold areas for chiselling to remove iron strains and segregations to make as grade quartz.
11. Afforestation and Green belt development will be maintained in all the boundaries, till the trees attain the stabilize level. In the post mining stage, Greenbelt will be developed in 0.14.0 Ha out of the mine lease area of 4.07.0 Ha. The mine pit will be utilized as a water reservoir or may be


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used for fishi-culture at the time of ultimate pit limit or at the end of the life of mine.

12. The total water requirement is about 1.5kLD, comprising 0.5kLD for drinking and domestic purpose, 0.3kLD wire saw cutting purpose, 0.3kLD for dust suppression and 0.4kLD for green belt development. Total water required for the mine will be met from vendors and Punganthurai Village Panchayat.

13. This was a working quarry before 15.01.2016. The total cost of the project will be Rs. 100.0 Lakh. Mines office and other facilities already exist. Total manpower required will be 29 persons on direct basis.

The SEAC noted the following:

1. The Proponent, M/s. Tamil Nadu minerals has applied for EC to SEIAA-TN for the Proposed Quartz Feldspar Quarry at SF No. 58 over an extent of 4.07.0 ha S.F.Nos.103,104/1A,&112, of Punganthurai Village,Dharapuram Taluk, Erode District (Now Tiruppur District), Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Minor Mineral Projects" of the Schedule to the EIA Notification, 2006.

During presentation the baseline date furnished by the project proponent was related to some other quarry and not related to the Proposed Quartz Feldspar Quarry at SF No. 58 over an extent of 4.07.0 Ha S.F.Nos.103,104/1A,&112, of Punganthurai Village, Dharapuram Taluk, Erode District (Now Tiruppur District), Tamil Nadu.

The SEAC decided that the proponent has to correct all the details including baseline date related to the Proposed Black Granite over an extent of 4.07.0 Ha in Proposed Quartz Feldspar Quarry at SF No. 58 over an extent of 4.07.0 ha S.F.Nos.103,104/1A,&112, of Punganthurai Village,Dharapuram Taluk, Erode District (Now Tiruppur District), Tamil Nadu and has to re-present before the SEAC in the forthcoming SEAC meeting.