

10. To ensure safety along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.
11. To prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.
12. CER proposal shall be submitted as per Office Memorandum of MoEF & CC dated 01.05.2018 with time frame before placing the subject to SEIAA.

Agenda No.130-04:

(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, 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:

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, 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.

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.

Subsequently the Scheme of Mining and Progressive Mine Closure Plan –I was submitted by this office pertaining to the years 2011-2012 to 2015-2016.

As of now the Quartz & Feldspar Mineral have been declared as Minor Mineral vide Rule 43 of Tamil Nadu Minor Mineral Concession Rules, 1959, the present Scheme of Mining-II and Progressive Mine Closure Plan 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&FOSOM, dated, 04.01.2019.

TAMIN has not applied for EC so far. Further, the MoEF& CC has directed that "the mine leases which continue to operate without obtaining EC after 15.01.2016 shall be considered as violation cases and the same shall be dealt with in accordance with the violation policy under Environmental Impact Assessment Notification, 2006 as amended" vide MoEF & CC letter No. Z-11013/24/2017-1A.II(M), dated. 03.04.2017. Hence, this project does not come under violation..

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.

The project is situated at a distance of about 3.8 km north west of Punganthurai village, at 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. This project site has well established connection facilities.

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". The Altitude of the area is above **250m** (Maximum) from MSL.

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.

In the 10KM of buffer zone, there is no major water bodies and Reserved Forest.

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 5years based on the proposed peak production of 52,434 tonnes of ROM (7,865 tonnes of 15% reserves).

Opencast, Mechanized mining with 3m bench height with the width not less than height with angle of slope 60° from horizontal is followed in accordance with Regulation 106 of MMR 1961 and provision of foot path in an adequate dimension will be made The generation of waste will be dumped in the centre and eastern side of the lease hold area.

Semi mechanized method will be adopted. Mega rock breaker is used for the extrication of quartz and feldspar minerals and therefore drilling and blasting will be minimized. Thereby, the adverse environmental impact on air and noise pollution is minimised.

The stockyard for Quartz mineral will be formed within the lease hold areas for chiselling to remove iron strains segregate grade quartz. The Hydraulic excavator is being used in handling the excavated quartz, feldspar as well as loading of mineral in to the trucks. It is proposed not to back fill the pits as good quantity of reserves are underlying the pits.

Afforestation and Green belt development will be developed all along the boundaries. 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 used for pisciculture at the time of ultimate pit limit or at the end of the life of mine.

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.

The total cost of the project is Rs. 100.0 Lakh.


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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, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

The SEAC noted that during presentation the baseline data 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 data 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, Tiruppur District, Tamil Nadu and has to re-present before the SEAC in the forthcoming SEAC meeting.

The proposal was placed in the 130th SEAC Meeting held on 11.06.2019. The proponent made a presentation about the project proposal. Based on the presentation made by the proponent and the documents furnished, the SEAC instruct the project proponent to furnish the following details:

1. Copy of the village map, FMB sketch and "A" register shall be furnished.
2. Hydro geological studies shall be carried out to evaluate the impact of mining activities on the surrounding agricultural farms and habitations. A study report shall be submitted on the possible adverse impact and its mitigation measures on agriculture, vegetation, and economics of the people living nearby.
3. The project proponent has not furnished the letter obtained from AD/DD mines in terms of Existing quarries/ abandoned quarries/ Present Proposed quarries/ Future Proposed quarries. Hence, the SEAC decided

that the project proponent shall obtain the following information from the AD/DD Mines, Tiruppur District in the following format

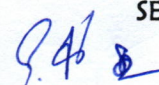
“Letter from the AD/DD Mines about the details (Name of the Owner, S F No, Extent & distance from the boundary of this quarry) of other quarries (proposed/Existing/Abandoned quarries) within a radius of 500 m from the boundary of the proposed quarry site in the following format.

Sl.No.	Name of the Quarry Owner	Name of Village & Survey Number	Extent in Hectare	Distance from this proposed Quarry
a. Existing quarries				
1				
2				
b. Abandoned quarries				
1				
2				
c. Present Proposed quarries				
1				
2				
d. Future Proposed quarries				
1				
2				
Total extent				

4. In the AAQ survey comparison data it was reported that PM_{10} having $77.65 \mu g/cu.m$ which is high . The project proponent shall furnish the mitigation measures to reduce the level.
5. Measures taken to establish proper barrier for reducing the Noise level shall be reported.
6. Social economic impact in and around the project site shall be furnished.
7. Health check up result on the respirable silica shall be furnished.



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8. AAQ survey shall be conducted for the PM₁₀ & PM_{2.5} and the report shall be furnished.

On receipt of the above details, SEAC will decide the further course of action on the proposal.

Agenda No.130-05:

(File No. 6800/2019)

Proposed Rough stone & Gravel quarry lease over an extent of 2.15.5 Ha in S.F.Nos 225/1, 269/1, 269/2, 270/1 & 270/2 of Chinnakamanpatti Village, Sattur Taluk, Virudhunagar District, Tamil Nadu by Thiru.P. Karuppasamy– for Terms of Reference. (SIA/TN/MIN/35458/2019) dated: 29.04.2019

The proposal was placed in the 130th SEAC Meeting held on 11.06.2019. The project proponent gave detailed presentation. The salient features of the project and the environmental impact assessment as presented by the proponent are as follows:

1. Government order/ Lease details:

The Quarry lease was applied in the name Thiru.P. Karuppasamy, Virudhunagar, Precise Area Communication was issued by the District Collector, Virudhunagar vide Na.Ka.No.KV1/499/2018-Mines, dated 31.10.2018 for a period of 5 years. It is a Fresh lease for Rough stone & Gravel quarry lease over an extent of 2.15.5 Ha in S.F.Nos 225/1, 269/1, 269/2, 270/1 & 270/2 of Chinnakamanpatti Village, Sattur Taluk, Virudhunagar District.

2. Mining Plan/Scheme of Mining approval details:

The Mining plan was prepared for the period of 5 years. The Mining Plan was approved by the Deputy Director, Department of Geology and Mining, Virudhunagar vide letter Rc. No. KV1/499/2018, dated 19.11.2018.

3. The production schedule for five years states that the total quantity of Rough stone & Gravel recovery should not exceed 116440m³ of Rough stone & 82110 cu.m of Gravel.

For First Year - 23440m³ of Rough stone & 15210 cu.m of Gravel

For Second year - 23040m³ of Rough stone & 19200 cu.m of Gravel

For Third year - 23320 m³ of Rough stone & 15900 cu.m of Gravel

For Fourth year - 23320 m³ of Rough stone & 15900 cu.m of Gravel


CHAIRMAN
SEAC-TN
