

Agenda No.130-10:

(File No. 6741/2019)

Proposed Black Granite quarry over an extent of 7.80.0 ha in S.F.Nos. 324/1 of Samanur Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited– for Terms of Reference.

(SIA/TN/MIN/32542/2019)

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:

TAMIN applied for fresh grant of quarrying lease to quarry Black Granite over an extent of 7.80.0Ha in S.F.No.324/1 of Samanur Village, Palacode Taluk, Dharmapuri District, Tamil Nadu State for 20years vide TAMIN's Lr.No.713/ML4/2012, dated:11.05.2018. Accordingly, the government of Tamil Nadu issued the precise area communication letter under Rule, 8-C(3b) of Tamil Nadu Minor Mineral Concession Rules,1959 vide their Lr.No.12833/MME.1/2017-2, dated:13.11.2018.

Subsequently, TAMIN submitted the Mining Plan for the subject area and the same was approved by Directorate of Geology and Mining, vide their Lr. No..5910/MM5/2017, dated: 09.02.2019.

The Mining Plan for Black Granite of Samanur Village in S.F.No.324/1 of Palacode Taluk, Dharmapuri District, Tamil Nadu State was approved by the Director of Geology and Mining, Chennai vide Letter No. Lr. No.5910/MM5/2017, dated: 09.02.2019.

In the post mining stage, out of the total lease area of 7.80.0Ha, Greenbelt will be developed in 0.50.0Ha and the total waste generated during the five years of Mining Plan 1,17,622M³ which is temporarily dumped in the Southern side of lease area. Top soil will be used for reclamation and plantation purposes. The mine pit will be utilized as a water reservoir at the time of ultimate pit limit or at the end of the life of quarry.

This project pertains to mining of Granite dimensional stone with peak yearly production capacity about 24,017M³ of ROM of Black Granite (1,201M³ of recoverable of granite production). There is no interlinked and interdependent project.


CHAIRMAN
SEAC-TN


The area is marked in the Survey of India Topo sheet No. 57L/3. The area lies in the Eastern Longitude from 77°59' 58.17" to 78°00' 11.65" and Northern Latitude from 12°26' 05.50" to 12°26' 17.18". The Altitude of the area is above 630m from MSL.

The total area of the project is 7.80.0Ha. It is proposed to produce 24,017M³ of RoM per annum from which 1,201M³ of saleable production per annum during the approved Mining Plan period.

Mineable RoM : 3,24,321M³
 Mineable Saleable reserves @ 5% : 16,216M³
 Maximum production per year @ 5% : : 1,201M³
 Estimated life of the quarry : 16,216 /1,021 = 14Years
 (subject to the continuous mining operation /production)

Sl. No.	Year	ROM (M ³)	Saleable Quantity @ 5% (M ³)	Granite Rejects (M ³)	Over Burden (M ³)	Side Burden (M ³)
1	First Year	24,000	1,200	22,800	20,669	3,011
2	Second Year	24,017	1,201	22,816	8,979	167
3	Third Year	23,988	1,199	22,789	14,029	801
4	Fourth Year	24,000	1,200	22,800	--	3,780
5	Fifth Year	23,982	1,199	22,783	9,403	2,795
	Total	1,19,987	5,999	1,13,988	53,080	10,554

Total water required for the mine will be met from vendors and existing bore well.

The peak water requirement will be as follows:

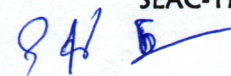
- Drinking and domestic - 0.5 KLD
- Wire saw cutting purpose - 0.3 KLD
- Dust suppression - 0.3 KLD
- Green belt / plantation - 0.4 KLD

Total 1.5 KLD

Totally 1,77,622M³ of over burden, side burden and granite waste by the way of granite rejects will be generated during the course of Mining Plan Period. The generation of waste will be dumped in the dumping yard already located the non bearing or unproductively zone of granite bearing portion within the lease area.



CHAIRMAN
SEAC-TN



Domestic effluent from the mine office is discharged in septic tank and soak pit.

The SEAC noted the following:

1. The Proponent, M/s. Tamil Nadu Minerals Limited has applied for Terms of Reference to SEIAA-TN for the Proposed for Black Granite quarry from over an Extent of 7.80.0Ha in S.F.No.324/1 of Samanur Village, Palacode Taluk, Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. Cauvery north wildlife sanctuary is located within 10km radius.

Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal for the grant of Terms of Reference (ToR) to SEIAA with Public Hearing, subject to the following specific conditions in addition to the normal conditions as part of ToR:

1. Cauvery north wildlife sanctuary is located within 10km radius from the project site as per MoEF & CC, Gol, Office Memorandum dated 30.03.2015, prior clearance from Forestry & Wild Life angle including clearance from obtaining committee of the National Board for Wild life as applicable shall be obtained before starting the quarrying operation.
2. A detail study of the lithology of the mining lease area shall be furnished.
3. Details of village map, a register and FMB sketch shall be furnished.
4. The proposal for green belt activities shall be furnished.
5. The Socio economic studies should be carried out within 10km buffer zone from the mines.
6. Detailed mining closure plan for the proposed project approved by the Geology of Mining department shall be submitted along with EIA report.
7. The spot level and contour level of the proposed quarry site shall be studied and the same shall be furnished to along with EIA.
8. A detailed report on the safety and health aspects of the workers and for the surrounding habitants during operation of mining for drilling and blasting shall be submitted.
9. CER activities should be carried out taking in to consideration the requirement of the local habitants available within the buffer zone as per Office Memorandum of MoEF & CC dated 01.05.2018.

10. Obtain a letter /certificate from the Assistant Director of Geology and Mining standing that there is no other Minerals/resources like sand in the quarrying area within the approved depth of mining and below depth of mining and the same shall be furnished in the EIA report.
11. Ground water quality monitoring should be conducted for every month and the report shall furnish in the EIA report.
12. EIA report should strictly follow the EIA mining manual.
13. Detail plan on rehabilitation and reclamation carried out for the stabilization and restoration of the mined areas.
14. The EIA study report shall include the surrounding mining activity, if any.
15. Modelling study for Air, Water and noise shall be carried out and incremental increase in the above study shall be substantiated with mitigation measures.
16. A study on the geological resources available shall be carried out and reported.
17. A specific study on agriculture & livelihood shall be carried out and reported.
18. Impact on ponds, rivers and other water bodies to be elaborated.
19. Impact of soil erosion, soil physical chemical and biological property changes may be assumed.
20. The recommendation for the issue of Terms of Reference is subject to the final outcome of the Hon'ble NGT, Principal Bench, New Delhi in O.A No. 186 of 2016 (M.A.No.350/2016) and O.A.No.200/2016 and O.A.No.580/2016 (M.A.No.1182/2016) and O.A.No.102/2017 and O.A.No.404/2016 (M.A.No.758/2016, M.A.No.920/2016, M.A.No.1122/2016, M.A.No.12/2017 & M.A.No.843/2017) and O.A.No.405/2016 and O.A.No.520 of 2016 (M.A.No.981/2016, M.A.No.982/2016 & M.A.No.384/2017).

Agenda No.130-11:

(File No. 6763/2019)

Proposed Rough stone quarry over an extent of 2.00.0 ha in S.F.Nos. 701(Part-1) of Kallakurikki Village, Krishnagiri Taluk, Krishnagiri District, Tamil Nadu Thiru. K.P.Satheesh- for Environmental Clearance.

(SIA/TN/MIN/35588/2019)

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: