

Minutes of EAC Meeting

Subject:- EDS Pending Part2

Venue:- SEAC Office

From :- 03 Feb 2020

To :- 03 Feb 2020

Date :- **10 Mar 2020**

(1.) Proposal No. :- **SIA/TN/MIN/36515/2019** File No- **0042**

Type- **EC**

INTRODUCTION

The proponent made online application vide proposal no. **SIA/TN/MIN/36515/2019** dated **21 May 2019** along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. ,**1(a) Mining of minerals** , under Category "**B2** " of EIA Notification 2006 and the proposal is appraised at Central level.

The **S.A.Kandasamy, Rough stone and Gravel quarry from over an Extent of 2.57.0Ha in S.F.Nos. 67/1 & 67/2A at Sivanmalai Village of Kangeyam Taluk, Tiruppur District-** of M/s **GEO EXPLORATION MINING** located in Village State **Tamil Nadu** was initially received in the Ministry on **04 Apr 2019** for obtaining Terms of Reference (ToR) as per EIA Notification,2006. The Project was appraised by the Expert Appraisal Committee (Non-Coal Mining) [EAC] during its **0041** th/nd/rd meeting held between **10 Apr 2019** to **11 Apr 2019** and prescribed ToRs to the project for undertaking detailed EIA study for obtaining Environmental Clearance. Accordingly, the Ministry of Environment, Forest and Climate Change had prescribed ToRs to the project on **04 Apr 2019**

PROJECT DETAILS

The project of M/s **GEO EXPLORATION MINING** located in as follows :

State of the project				
S. No.	State	District	Tehsil	Village
(1.)	Tamil Nadu	Tiruppur	Kangeyam	Sivanmalai

The production details / project configuration is as follows :

Project configuration/product details						
S. No.	Project configuration/product details	Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product	Other Mode of Transport
(1.)	Quarrying Lease area	2.570	3		Road	

Raw Material Requirement is as follows :

Raw Material Requirement details

S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product	Other Mode of Transport	Distance of Source from Project Site(Kilometers)
(1.)	Rough Stone	36477	9	Cubic meter	Quarrying	Road		0.1

DELIBERATION IN EAC

After detailed deliberations, the committee observed:-

- 1. The Proponent, Thiru. S. A. Kandasamy has applied for Environmental Clearance to SEIAA-TN for the Proposed for Rough stone and Gravel quarry over an Extent of 2.57.0Ha in S.F.Nos. 67/1 & 67/2A at Sivanmalai Village of Kangeyam Taluk, Tiruppur District the state of Tamil Nadu.**
- 2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006. After the detailed presentation and perusal of the details furnished by the proponent, the SEAC decided to direct the proponent to furnish the following details.**
 - 1. Village map and "A" Register**
 - 2. Lithology details of the project site**
 - 3. Details of the water bodies located within & nearby project site.**
 - 4. The detailed mitigation measures to avoid the impact of mining on nearby habitation.**
 - 5. The Project Proponent shall obtain details from AD/DD mines about the details of the quarries (Proposed / Existing / Abandoned quarries) within a radius of 500m from the boundary of the proposed quarry site. Further, it was noted in the plate IB that another mining pit was within the 500 m. Which was not mentioned in the Assistant Director, Department of Geology and Mining, Tiruppur vide Letter Roc. No. 882/Mines/2018,Dated21.12.2018. requested clarification for the same.**
 - 6. Transformer was noticed in the plate IB within the quarrying site. But not specified in the mining plan. If the transformer is located within the mining lease necessary permission from the TNEB is required.**
 - 7. It was noted in the plate No-II that mining activity was already been carried out in the leased area. It is requested to furnish the following details from AD, mines**
 - a) What was the period of the operation and stoppage of the earlier mines?**
 - b) Quantity of minerals mined out.**
 - c) Depth of mining**
 - d) Name of the person already mined in that leases area.**

Further It was decided that the SEAC would further deliberate on this project and decide the further course of action on receipt of the above details. After receipt of the above details the proposal will be considered for appraisal by SEAC. The proposal was placed in the 140th SEAC Meeting held on 10.12.2019. After the detailed discussion on the reply submitted by the proponent the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to normal condition in addition to following conditions:

- 1. Ground water quality monitoring should be conducted once in Six months and the report should be submitted to TNPCB.**
- 2. Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration.**
- 3. The fugitive emissions should be monitored during the mining activity and should be reported to TNPCB once in a month and the operation of the quarry should no way impact the agriculture activity & water bodies near the project site.**
- 4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.**
- 5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.**
- 6. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.**
- 7. The recommendation for the issue of environmental clearance is subject to the 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).**
- 8. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation.**
- 9. It was noted in the plate No-II that mining activity was already been carried out in the leased area. It is requested to furnish the following details from AD, mines**
 - a) What was the period of the operation and stoppage of the earlier mines?**

b) Quantity of minerals mined out. c) Depth of mining d) Name of the person already mined in that leases area. The project proponent has to furnish the above details before placing SEIAA. 10. The mine closure plan submitted by the project proponent shall be strictly followed after the laps of the mine as reported. 11. The proponent shall furnish the CER proposal as per office memorandum of MoEF&CC dated 01.05.2018.

RECOMMENDATIONS OF EAC

The committee's recommendation: 1. The Proponent, Thiru. S. A. Kandasamy has applied for Environmental Clearance to SEIAA-TN for the Proposed Rough stone and Gravel quarry over an Extent of 2.57.0Ha in S.F.Nos. 67/1 & 67/2A at Sivanmalai Village of Kangeyam Taluk, Tiruppur District the state of Tamil Nadu. 2. The project/activity is covered under Category 'B2' of Item 1(a) 'Mining of Mineral Projects' of the Schedule to the EIA Notification, 2006. After the detailed presentation and perusal of the details furnished by the proponent, the SEAC decided to direct the proponent to furnish the following details. 1. Village map and 'A' Register 2. Lithology details of the project site 3. Details of the water bodies located within & nearby project site. 4. The detailed mitigation measures to avoid the impact of mining on nearby habitation. 5. The Project Proponent shall obtain details from AD/DD mines about the details of the quarries (Proposed / Existing / Abandoned quarries) within a radius of 500m from the boundary of the proposed quarry site. Further, it was noted in the plate IB that another mining pit was within the 500 m. Which was not mentioned in the Assistant Director, Department of Geology and Mining, Tiruppur vide Letter Roc. No. 882/Mines/2018, Dated 21.12.2018. requested clarification for the same. 6. Transformer was noticed in the plate IB within the quarrying site. But not specified in the mining plan. If the transformer is located within the mining lease necessary permission from the TNEB is required. 7. It was noted in the plate No-II that mining activity was already been carried out in the leased area. It is requested to furnish the following details from AD, mines a) What was the period of the operation and stoppage of the earlier mines? b) Quantity of minerals mined out. c) Depth of mining d) Name of the person already mined in that leases area. Further It was decided that the SEAC would further deliberate on this project and decide the further course of action on receipt of the above details. After receipt of the above details the proposal will be considered for appraisal by SEAC. The proposal was placed in the 140th SEAC Meeting held on 10.12.2019. After the detailed discussion on the reply submitted by the proponent the SEAC decided to recommend the proposal for grant of Environmental Clearance to SEIAA subject to normal condition in addition to following conditions: 1. Ground water quality monitoring should be conducted once in Six months and the report should be submitted to TNPCB. 2. Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration. 3. The fugitive emissions should be monitored during the mining activity and should be reported to TNPCB once in a month and the operation of the quarry should no way impact the agriculture activity & water bodies near the project site. 4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road. 5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable. 6. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities. 7. The recommendation for the issue of environmental clearance is subject to the 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). 8. To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation. 9. It was noted in the plate No-II that mining activity was already been carried out in the leased area. It is requested to furnish the following details from AD, mines a) What was the period of the operation and stoppage of the earlier mines? b) Quantity of minerals mined out. c) Depth of mining d) Name of the person already mined in that leases area. The project proponent has to furnish the above details before placing SEIAA. 10. The mine closure plan submitted by the project proponent shall be strictly followed after the laps of the mine as reported. 11. The

proponent shall furnish the CER proposal as per office memorandum of MoEF&CC dated 01.05.2018.

Conclusion

Recommended

Member Secretary Condition	
Specific Condition	
S.No	Condition
(1)	Ground water quality monitoring should be conducted once in Six months and the report should be submitted to TNPCB
(2)	Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration. The fugitive emissions should be monitored during the mining activity and should be reported to TNPCB once in a month and the operation of the quarry should no way impact the agriculture activity & water bodies near the project site. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
(3)	To ensure safety measures along the boundary of the quarry site, security guards are to be engaged during the entire period of mining operation. It was noted in the plate No-II that mining activity was already been carried out in the leased area. It is requested to furnish the following details from AD, mines a) What was the period of the operation and stoppage of the earlier mines? b) Quantity of minerals mined out. c) Depth of mining d) Name of the person already mined in that leases area. The project proponent has to furnish the above details before placing SEIAA.
(4)	7. The recommendation for the issue of environmental clearance is subject to the outcome of the Honâ€™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).
(5)	The mine closure plan submitted by the project proponent shall be strictly followed after the laps of the mine as reported. The proponent shall furnish the CER proposal as per office memorandum of MoEF&CC dated 01.05.2018.
(6)	The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.

and also enclosed as **Annexure-I**

The proposal was considered by Expert Appraisal Commiittee in its ----- th meeting held during ----- to ----- . After detailed deliberation the commiittee recommended for grant of Environment Clearance subject to Specific and General conditions.

The Ministry of Environment, Forest and Climate Change has considered the appliation based on the recommendations of the Expert Appraisal Commiittee and hereby decided to grant Environmental Clearance for the proposed ----- (Project Name), located at ----- .

INTRODUCTION

The proponent made online application vide proposal no. **SIA/TN/MIN/42162/2019** dated **10 Dec 2019** along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. ,**1(a) Mining of minerals** , under Category "**B2** " of EIA Notification 2006 and the proposal is appraised at Central level.

The **Thiru.S.Manickavasagam, New Rough stone and Gravel quarry project over an Extent of 2.89.0Ha in S.F.No. 328/14(P), 328/16(P), 328/17(P), 363/1(P), 363/2(P), 363/3 & 363/4(P) at Kadambankulam Village** of M/s **GEO EXPLORATION MINING** located in Village State **Tamil Nadu** was initially received in the Ministry on **01 Sep 2019** for obtaining Terms of Reference (ToR) as per EIA Notification,2006. The Project was appraised by the Expert Appraisal Committee (Non-Coal Mining) [EAC] during its **0151** th/nd/rd meeting held between **01 Sep 2019 to 01 Sep 2019** and prescribed ToRs to the project for undertaking detailed EIA study for obtaining Environmental Clearance. Accordingly, the Ministry of Environment, Forest and Climate Change had prescribed ToRs to the project on **01 Sep 2019**

PROJECT DETAILS

The project of M/s **GEO EXPLORATION MINING** located in as follows :

State of the project				
S. No.	State	District	Tehsil	Village
(1.)	Tamil Nadu	Virudhunagar	Virudhunagar	kadambankulam

The production details / project configuration is as follows :

Project configuration/product details						
S. No.	Project configuration/product details	Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product	Other Mode of Transport
(1.)	Lease area	2.890	3		Road	

Raw Material Requirement is as follows :

Raw Material Requirement details								
S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product	Other Mode of Transport	Distance of Source from Project Site(Kilometers)
(1.)	Rough Stone	91868	9	Cubic meter	Quarrying	Road		1

DELIBERATION IN EAC

After detailed deliberations, the committee observed:- **The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that I. The project has been accorded Environmental Clearance. II. Copies of clearance**

letters are available with the Tamil Nadu Pollution Control Board. m. Environmental Clearance may also be seen on the website of the SEIAA. Mining activity should be reviewed by the District Collector after three years and decide for further extension. 3. The applicant has to obtain land use classification as industrial use before issue/renewal of mining lease. 5. NOC from the Standing committee of the NBWL shall be obtained, if protected areas are located within 10 Km from the proposed project site. The project proponent shall comply the conditions laid down in the Section V, Rule 36 of Tamil Nadu Minor Minerals Concession Rules 1959. A copy of the Environment Clearance letter shall be sent by the proponent to the concerned Panchayat, Town Panchayat I Panchayat union/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the I website of the and also kept at the site, for the general public to see. 7. Quarry lease area should be ground with wire fencing to show the boundary of the area on all sides with red flags on every pillar shall be erected before commencement of quarrying. 8. The proponent shall ensure that First Aid Box is available at site. 9. The excavation activity shall not alter the natural drainage pattern of the area. 10. The excavated shall be for useful purposes. 11. The proponent shall quarry areas as per the approved Mining Plan details. 12. The quarrying operation shall be 13. The proponent shall take necessary ensure that there shall not be any adverse impacts due to quarrying operation on the nearby human habitations, by way of pollution to the environment. 14. A minimum distance of 50 mts. From any civil structure shall be kept from the periphery of any excavation area. 15. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust. 18. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities. 19. The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority. 20. Blasting shall be carried out after announcing to the public adequate through public address system to avoid any accident. 21. A study has to be conducted to assess the optimum blast parameters and blast design to keep the vibration limits less than prescribed levels and only such design and parameters should be implemented while blasting is done. Periodical monitoring of the vibration at specified location to be conducted and records kept for inspection. 22. The Proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF & CC, GoI on 16.11.2009. 23. The following measures are to be implemented to reduce Air Pollution during transportation of mineral i. Roads shall be graded to mitigate the dust emission. 24. The Water shall be sprinkled at regular interval on the main road and other service following measures are to be implemented to reduce Noise Pollution Proper and regular maintenance of vehicles and other equipment Limiting time exposure of workers to excessive noise. The workers employed shall be provided with protection equipment and earmuffs etc. 25. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010, dt: 11.01 .2010 issued by the MoEF & CC, GoI to control noise to the prescribed levels. 26. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB. Suitable measures should be taken for rainwater harvesting. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose. 29. The following measures are to be adopted to control erosion of dumps:- i. Retention/ toe walls shall be provided at the foot of the dumps. ii. Worked out slopes are to be stabilized by planting appropriate shrub/ grass species on the slopes. 30. Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous & other Wastes (Management, Handling, and

RECOMMENDATIONS OF EAC

The committee's recommendation: The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that I. The project has been accorded Environmental Clearance. II. Copies of clearance letters are available with the Tamil Nadu Pollution Control Board. m. Environmental Clearance may also be seen on the

website of the SEIAA. Mining activity should be reviewed by the District Collector after three years and decide for further extension. 3. The applicant has to obtain land use classification as industrial use before issue/renewal of mining lease. 5. NOC from the Standing committee of the NBWL shall be obtained, if protected areas are located within 10 Km from the proposed project site. The project proponent shall comply the conditions laid down in the Section V, Rule 36 of Tamil Nadu Minor Minerals Concession Rules 1959. A copy of the Environment Clearance letter shall be sent by the proponent to the concerned Panchayat, Town Panchayat I Panchayat union/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the I website of the and also kept at the site, for the general public to see. 7. Quarry lease area should be ground with wire fencing to show the boundary of the area on all sides with red flags on every pillar shall be erected before commencement of quarrying. 8. The proponent shall ensure that First Aid Box is available at site. 9. The excavation activity shall not alter the natural drainage pattern of the area. 10. The excavated shall be for useful purposes. 11. The proponent shall quarry areas as per the approved Mining Plan details. 12. The quarrying operation shall be 13. The proponent shall take necessary ensure that there shall not be any adverse impacts due to quarrying operation on the nearby human habitations, by way of pollution to the environment. 14. A minimum distance of 50 mts. From any civil structure shall be kept from the periphery of any excavation area. 15. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust. 18. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities. 19. The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority. 20. Blasting shall be carried out after announcing to the public adequate through public address system to avoid any accident. 21. A study has to be conducted to assess the optimum blast parameters and blast design to keep the vibration limits less than prescribed levels and only such design and parameters should be implemented while blasting is done. Periodical monitoring of the vibration at specified location to be conducted and records kept for inspection. 22. The Proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF & CC, GoI on 16.11.2009. 23. The following measures are to be implemented to reduce Air Pollution during transportation of mineral i. Roads shall be graded to mitigate the dust emission. 24. The Water shall be sprinkled at regular interval on the main road and other service following measures are to be implemented to reduce Noise Pollution Proper and regular maintenance of vehicles and other equipment Limiting time exposure of workers to excessive noise. The workers employed shall be provided with protection equipment and earmuffs etc. 25. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010, dt: 11.01 .2010 issued by the MoEF & CC, GoI to control noise to the prescribed levels. 26. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB. Suitable measures should be taken for rainwater harvesting. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose. 29. The following measures are to be adopted to control erosion of dumps:- i. Retention/ toe walls shall be provided at the foot of the dumps. ii. Worked out slopes are to be stabilized by planting appropriate shrub/ grass species on the slopes. 30. Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous & other Wastes (Management, Handling, and

Conclusion

Recommended

Member Secretary Condition
Specific Condition

S.No	Condition
(1)	A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
(2)	The Proponent shall obtain the Consent from the TNPC Board before commencing the activity.
(3)	Mineral handling area shall be provided with adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.
(4)	Vehicular emissions shall be kept under control and be regularly monitored. The mineral transportation shall be carried out through the covered trucks only and the vehicles carrying the mineral shall not be overloaded.
(5)	Periodical medical examination of the workers engaged in the project shall be carried out and records maintained. For the purpose, schedule of health examination of the workers should be drawn and followed accordingly. The workers shall be provided with personnel protective measures such as masks, gloves, boots etc.
(6)	This Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to concerned authorities. Such authorities would be considering the project be taking decisions independently of the Environmental Clearance
(7)	The above conditions will be enforced , under the provisions of the water (Prevention & control of Pollution) Act, 1974, the Air (Prevention & control of pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, along with their amendments, Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National commission for protection of Child Right Rules, 2006, Wildlife Protection Act, 1972, Forest Conservation Act, 1980, Biodiversity conservation Act, 2016, the Biological Diversity Act, 2002 and Biological diversity Rules, 2004 and Rules made there under and also any other orders passed by the Hon'ble Supreme court of India/Hon'ble High Court of Madras and any other court of Law relating to the subject matter.
(8)	Workers/labourers shall be provided with facilities for drinking water and sanitation facility for Female and Male separately. The project proponent shall ensure that child labour is not employed in the project as per the sworn affidavit furnished.
(9)	The Environmental clearance is issued based on the document furnished by the project proponent. In case any documents found to be incorrect order at a later date the Environmental clearance will be deemed to be revoked/ cancelled.
(10)	EC is given only on the factual records, documents and the commitment furnished in non judicial stamp paper by the proponent. The Proponent shall obtain the Consent from the TNPC Board before commencing the activity.
(11)	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry of Environment and Forests and its Regional Office located at Chennai.
(12)	11.All Personnel shall be provided with protective respiratory devices including safety shoes, masks, gloves etc. Supervisory people should be provided with adequate training and information on safety and health aspects. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
(13)	The Environmental Clearance does not absolve the applicant/proponent of his obligation/requirement to obtain other statutory and administrative clearances from other statutory and administrative authorities.

(14)	The SEIAA, Tamil Nadu may cancel the environmental clearance granted to this project under the provisions of EIA Notification, 2006, at any stage of the validity of this environmental clearance, if it is found or if it comes to the knowledge of this SEIAA, TN that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.
(15)	The SEIAA, Tamil Nadu may alter/modify the above conditions or stipulate any further conditions in the interest of environment protection.

and also enclosed as **Annexure-I**

The proposal was considered by Expert Appraisal Committee in its ----- th meeting held during ----- to ----- . After detailed deliberation the committee recommended for grant of Environment Clearance subject to Specific and General conditions.

The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee and hereby decided to grant Environmental Clearance for the proposed ----- (Project Name), located at ----- .

Date :- **10 Mar 2020**

(1.) Proposal No. :- **SIA/TN/MIN/42368/2019** File No- **0155**

Type- **EC**

INTRODUCTION

The proponent made online application vide proposal no. **SIA/TN/MIN/42368/2019** dated **05 Sep 2019** along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. ,**1(a) Mining of minerals** , under Category "**B2** " of EIA Notification 2006 and the proposal is appraised at Central level.

The **Thiru.S.Kandasamy, Rough Stone and Gravel Quarry project lease over an extent of 3.49.0Ha in S.F.Nos. 290/1A, 2A, 292/8, 10,11,12,294/3 & 4 at A. Lakshmipuram Village, Vembakottai Taluk, Virudhunagar** of M/s **GEO EXPLORATION MINING** located in Village State **Tamil Nadu** was initially received in the Ministry on **05 Sep 2019** for obtaining Terms of Reference (ToR) as per EIA Notification,2006. The Project was appraised by the Expert Appraisal Committee (Non-Coal Mining) [EAC] during its **0154** th/nd/rd meeting held between **05 Sep 2019** to **05 Sep 2019** and prescribed ToRs to the project for undertaking detailed EIA study for obtaining Environmental Clearance. Accordingly, the Ministry of Environment, Forest and Climate Change had prescribed ToRs to the project on **05 Sep 2019**

PROJECT DETAILS

The project of M/s **GEO EXPLORATION MINING** located in as follows :

State of the project				
S. No.	State	District	Tehsil	Village
(1.)	Tamil Nadu	Virudhunagar	Virudhunagar	Lakshmipuram

The production details / project configuration is as follows :

Project configuration/product details

S. No.	Project configuration/product details	Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product	Other Mode of Transport
(1.)	Lease area	3.490	3		Road	

Raw Material Requirement is as follows :

Raw Material Requirement details								
S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product	Other Mode of Transport	Distance of Source from Project Site(Kilometers)
(1.)	Rough Stone	57453	9	Cubic meter	Quarrying	Road		1

DELIBERATION IN EAC

After detailed deliberations, the committee observed:- **The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that I. The project has been accorded Environmental Clearance. II. Copies of clearance letters are available with the Tamil Nadu Pollution Control Board. m. Environmental Clearance may also be seen on the website of the SEIAA. IV. The advertisement should be made within 7 days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the SEIAA. 2. Mining activity should be reviewed by the District Collector after three years and decide for further extension. 3. The applicant has to obtain land of mining lease. 4. NOC from the Standing committee of the NBWL shall be obtained, if protected areas are located within 10 Km from the proposed project site. 5. The project proponent shall comply the conditions laid down in the Section V, Rule 36 of Tamil Nadu Minor Minerals Concession Rules 1959. 6. A copy of the Environment Clearance letter shall be sent by the proponent to the concerned Panchayat, Town Panchayat / Panchayat union/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the proponent and also kept at the site, for the general public to see. 7. Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the lease area on all sides with red flags on every pillar shall be erected before commencement of quarrying. 8. The proponent shall ensure that First Aid Box is available at site. as industrial use before issue/renewal The proponent shall quarry and remove only in the permitted areas as per the approved Mining Plan details. 12. The quarrying operation shall be restricted between 7AM and 5 PM. 13. The proponent shall take necessary measures to ensure that there shall not be any adverse impacts due to quarrying operation on the nearby human habitations, by way of pollution to the environment. 14. A minimum distance of 50 mts. From any civil structure shall be kept from the periphery of any excavation area. 15. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources. 16. The mined out pits should be back filled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation. 17. Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust. 18. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities. 19. The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing**

Authority. r' ,, 20. Blasting shall be carried out after announcing to the public adequate through public address system to avoid any accident. 21. A study has to be conducted to assess the optimum blast parameters and blast design to keep the vibration limits less than prescribed levels and only such design and parameters should be implemented while blasting is done. Periodical monitoring of the vibration at specified location to be conducted and records kept for inspection. 22. The Proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF & CC, GoI on 06.11.2006. 23. The following measures are to be implemented to reduce Air Pollution during transportation of mineral Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and control) (Amendment) Rules, 2010, dt: 11.01.2010 issued by the MoEF & CC, GoI to control noise to the prescribed levels. 26. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director. Suitable measures should be taken for rainwater harvesting. 27. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this Project. The lease holder shall undertake adequate safeguard measures during extraction of material and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, if it is observed that the groundwater table is getting depleted due to the mining activity; necessary c

RECOMMENDATIONS OF EAC

The committee's recommendation: The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that I. The project has been accorded Environmental Clearance. II. Copies of clearance letters are available with the Tamil Nadu Pollution Control Board. m. Environmental Clearance may also be seen on the website of the SEIAA. IV. The advertisement should be made within 7 days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the SEIAA. 2. Mining activity should be reviewed by the District Collector after three years and decide for further extension. 3. The applicant has to obtain land of mining lease. 4. NOC from the Standing committee of the NBWL shall be obtained, if protected areas are located within 10 Km from the proposed project site. 5. The project proponent shall comply the conditions laid down in the Section V, Rule 36 of Tamil Nadu Minor Minerals Concession Rules 1959. 6. A copy of the Environment Clearance letter shall be sent by the proponent to the concerned Panchayat, Town Panchayat / Panchayat union/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the proponent and also kept at the site, for the general public to see. 7. Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the lease area on all sides with red flags on every pillar shall be erected before commencement of quarrying. 8. The proponent shall ensure that First Aid Box is available at site. as industrial use before issue/renewal The proponent shall quarry and remove only in the permitted areas as per the approved Mining Plan details. 12. The quarrying operation shall be restricted between 7AM and 5 PM. 13. The proponent shall take necessary measures to ensure that there shall not be any adverse impacts due to quarrying operation on the nearby human habitations, by way of pollution to the environment. 14. A minimum distance of 50 mts. From any civil structure shall be kept from the periphery of any excavation area. 15. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources. 16. The mined out pits should be back filled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation. 17. Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust. 18. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities. 19. The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority. r' ,, 20. Blasting shall be carried out after announcing to the public adequate through public

address system to avoid any accident. 21. A study has to be conducted to assess the optimum blast parameters and blast design to keep the vibration limits less than prescribed levels and only such design and parameters should be implemented while blasting is done. Periodical monitoring of the vibration at specified location to be conducted and records kept for inspection. 22. The Proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF & cc, GoI on 16.11.2009. 23. The following measures are to be implemented to reduce Air Pollution during transportation of mineral Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and control) (Amendment) Rules, 2010, dt: 1 1.01.2010 issued by the MoEF & CC, GoI to control noise to the prescribed levels. 26. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director. Suitable measures should be taken for rainwater harvesting. 27. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this Project. The lease holder shall undertake adequate safeguard measures during extraction of material and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, if it is observed that the groundwater table is getting depleted due to the mining activity; necessary c

Conclusion

Recommended

Member Secretary Condition	
Specific Condition	
S.No	Condition
(1)	The proponent shall quarry and remove only in the permitted areas as per the approved Mining Plan details. The quarrying operation shall be restricted between 7AM and 5 PM. The proponent shall take necessary measures to ensure that there shall not be any adverse impacts due to quarrying operation on the nearby human habitations, by way of pollution to the environment.
(2)	Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities. The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority. r' .., Blasting shall be carried out after announcing to the public adequate through public address system to avoid any accident.
(3)	A study has to be conducted to assess the optimum blast parameters and blast design to keep the vibration limits less than prescribed levels and only such design and parameters should be implemented while blasting is done. Periodical monitoring of the vibration at specified location to be conducted and records kept for inspection. 22. The Proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF & cc, GoI on 16.11.2009.
(4)	Free Silica test should be conducted and reported to TNPCB, Department of Geology and Mining and Regional Director, MoEF & CC, GOL Air sampling at intersection point should be conducted and reported to TNPCB, Department of Geology and Mining and Regional Director, MoEF & cc, GoI. Bunds to be provided at the boundary of the project site. The project proponent shall undertake plantation/afforestation work by planting the native species on all side of the lease area at the rate of 400/Ha. Suitable tall tree saplings should be planted on the bunds and other suitable areas in and around the work place.
(5)	No tree-felling shall be done in the leased area, except only with the permission from competent Authority. To take up environmental monitoring of the proposed quarry site before, during and after the

	mining activities including vibration study data, water, air & flora/fauna environment, slurry water generated/disposed and method of disposal, involving a reputed academic Institution.
(6)	As per MoEF & CC, GoI, Office Memorandum dated 30.03.2015, prior clearance from Forestry & Wildlife angle including clearance from obtaining committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site is located within 10KM from National Park and Sanctuaries.
(7)	A copy of the Environment Clearance letter shall be sent by the proponent to the concerned Panchayat, Town Panchayat / Panchayat union/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the proponent and also kept at the site, for the general public to see. Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the lease area on all sides with red flags on every pillar shall be erected before commencement of quarrying.
(8)	At least 10 Neem trees should be planted around the boundary of the quarry site. Floor of excavated pit to be levelled and sides to be sloped with gentle slope (Except for granite quarries) in the mine closure phase.
(9)	The recommendation for the issue of environmental clearance is subject to the outcome of the Hon'ble NGT, Principal Bench, New Delhi in o.A No.186 of 2016 (M.A.No.350/2016), O.A. No.200/2016, O.A.No.580/2016 (M.A.No.1182/2016), o.A.No.102/2017, o.A.No.404/2016 (M.A.No. 758/2016, M.A. No. 920/2016, M.A.No.1122/2016, M.A.No. 121/2017 & M.A.No.S43/2017), 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).
(10)	The lease holder shall undertake adequate safeguard measures during extraction of material and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, if it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out. District Collector/mining officer shall ensure this.
(11)	The Project Proponent shall provide solar lighting system to the nearby villages. Rainwater shall be pumped out Via Settling Tank only Earthen bunds and barbed wire fencing around the pits with green belt all along the boundary shall be developed and maintained. Safety equipments to be provided to all the employees. Safety distance of 50m has to be provided in case of railway, reservoir, canal/odai The Assistant/Deputy Director, Department of Geology & mining shall ensure that the proponent has engaged the blaster with valid Blasting license/certificate obtained from the competent authority before execution of mining lease.
(12)	A minimum distance of 50 mts. From any civil structure shall be kept from the periphery of any excavation area. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources. 16. The mined out pits should be backfilled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation.
(13)	At least 10 Neem trees should be planted around the boundary of the quarry site. Floor of excavated pit to be levelled and sides to be sloped with gentle slope (Except for granite quarries) in the mine closure phase.
(14)	The Project Proponent shall provide solar lighting system to the nearby villages. Rainwater shall be pumped out Via Settling Tank only Earthen bunds and barbed wire fencing around the pits with green belt all along the boundary shall be developed and maintained. Safety equipments to be provided to all the employees. Safety distance of 50m has to be provided in case of railway, reservoir, canal/odai The Assistant/Deputy Director, Department of Geology & mining shall ensure that the proponent has

	engaged the blaster with valid Blasting license/certificate obtained from the competent authority before execution of mining lease.
(15)	The project proponent shall utilize the CER amount for Rs. 1.51 Lakhs (2% of project cost) to carry out for infrastructure facilities in Kanmaipatti Village Govt higher Secondary School as per Office Memorandum of MoEF & CC dated 01.05.2018. The above activity shall be carried out before obtaining CTO from TNPCB.
(16)	The proponent shall provide Green Belt development at the rate of not less than 400 ffees,{ Hectare. The tree saplings shall be not less than 3m height. Ground water quality monitoring should be conducted once in six month and the report should be submitted to TNPCB.
(17)	The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the language informing the public that I. The project has been accorded Environmental Clearance. II. Copies of clearance letters are available with the Tamil Nadu Pollution Control Board. m. Environmental Clearance may also be seen on the website of the SEIAA. IV. The advertisement should be made within 7 days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the SEIAA.
(18)	Mining activity should be reviewed by the District Collector after three years and decide for further extension. The applicant has to obtain land of mining lease. NOC from the Standing committee of the NBWL shall be obtained, if protected areas are located within 10 Km from the proposed project site. The project proponent shall comply the conditions laid down in the Section V, Rule 36 of Tamil Nadu Minor Minerals Concession Rules 1959.
(19)	Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and control) (Amendment) Rules, 2010, dt: 1 1.01.2010 issued by the MoRF & CC, GoI to control noise to the prescribed levels.Suitable conservation measures to augment groundwater resources in the area shall he planned and implemented in consultation with Regional Director, cGWB. Suitable measures should be taken for rainwater harvesting. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this Project.
(20)	It shall be ensured that the total extent of nearby quarries(existing, abandoned and proposed) located within 500 meter radius from the periphery of this quaffy is not exceeding 5 hectares within the mining lease period of this application. It shall be ensured that there is no habitation is located within 300 meter radius from the periphery of the qualry site and also ensure that no hindrance will be caused to the people of the habitation located within 500m radius from the periphery of the quarry site.
(21)	Proper barrier for reducing the Noise level shall be established like providing Green Belt along the boundary of the quarrying site, etc. and to prevent dust pollution, suitable working methodology needs to be adopted taking wind direction into consideration. The operation of the quarry shall no way impact the agriculture activity & waterbodies near the project site. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.

and also enclosed as **Annexture-I**

The proposal was considered by Expert Appraisal Commiittee in its ----- th meeting held during ----- to ----- . After detailed deliberation the commiittee recommended for grant of Environment Clearance subject to Specific and General conditions.

The Ministry of Environment, Forest and Climate Change has considered the appliation based on the recommendations of the Expert Appraisal Commiittee and hereby decided to grant Environmental Clearance for the proposed ----- (Project Name), located at ----- .

INTRODUCTION

The proponent made online application vide proposal no. **SIA/TN/MIN/43459/2019** dated **30 Sep 2019** along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. ,**1(a) Mining of minerals** , under Category "**B2** " of EIA Notification 2006 and the proposal is appraised at Central level.

The **Tmt.C.Vannamuthu Rough Stone and Gravel Quarry** of M/s **MT.VANNAMUTHU ROUGH STONE & GRAVEL QUARRY** located in Village State **Tamil Nadu** was initially received in the Ministry on **29 Sep 2019** for obtaining Terms of Reference (ToR) as per EIA Notification,2006. The Project was appraised by the Expert Appraisal Committee (Non-Coal Mining) [EAC] during its **NA** th/nd/rd meeting held between **24 Sep 2019 to 24 Sep 2019** and prescribed ToRs to the project for undertaking detailed EIA study for obtaining Environmental Clearance. Accordingly, the Ministry of Environment, Forest and Climate Change had prescribed ToRs to the project on **29 Sep 2019**

PROJECT DETAILS

The project of M/s **MT.VANNAMUTHU ROUGH STONE & GRAVEL QUARRY** located in as follows :

State of the project				
S. No.	State	District	Tehsil	Village
(1.)	Tamil Nadu	Virudhunagar	Virudhunagar	Kottaiyur

The production details / project configuration is as follows :

Project configuration/product details						
S. No.	Project configuration/product details	Quantity	Unit	Other Unit	Mode of Transport/Transmission of Product	Other Mode of Transport
(1.)	Rough Stone	20380	6		Road	
(2.)	Gravel	9180	6		Road	

Raw Material Requirement is as follows :

Raw Material Requirement details								
S. No.	Item	Quantity per annum	Unit	Other Unit	Source	Mode of Transport/Transmission of Product	Other Mode of Transport	Distance of Source from Project Site(Kilometers)
(1.)	Rough Stone	3850	6		NA	Road		0
(2.)	Gravel	2916	6		NA	Road		0

DELIBERATION IN EAC

After detailed deliberations, the committee observed:-

1. The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that I. The project has been accorded Environmental Clearance. II. Copies of clearance letters are available with the Tamil Nadu Pollution Control Board. III. Environmental Clearance may also be seen on the website of the SEIAA. IV. The advertisement should be made within 7 days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the SEIAA.
2. Mining activity should be reviewed by the District Collector after three years and decide for further extension.
3. The applicant has to obtain land use classification as industrial use before issue/renewal of mining lease.
4. NOC from the Standing committee of the NBWL shall be obtained, if protected areas are located within 10 Km from the proposed project site.
5. The project proponent shall comply the conditions laid down in the Section V, Rule 36 of Tamil Nadu Minor Minerals Concession Rules 1959.
6. A copy of the Environment Clearance letter shall be sent by the proponent to the concerned Panchayat, Town Panchayat / Panchayat union/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the proponent and also kept at the site, for the general public to see.
7. Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the lease area on all sides with red flags on every pillar shall be erected before commencement of quarrying.
8. The proponent shall ensure that First Aid Box is available at site.
9. The excavation activity shall not alter the natural drainage pattern of the area.
10. The excavated pit shall be restored by the project proponent for useful purposes.
11. The proponent shall quarry and remove only in the permitted areas as per the approved Mining Plan details.
12. The quarrying operation shall be restricted between 7AM and 5 PM.
13. The proponent shall take necessary measures to ensure that there shall not be any adverse impacts due to quarrying operation on the nearby human habitations, by way of pollution to the environment.
14. A minimum distance of 50 mts. From any civil structure shall be kept from the periphery of any excavation area.
15. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources.
16. The mined out pits should be backfilled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation.
17. Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust.
18. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
19. The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority.
20. Blasting shall be carried out after announcing to the public adequate through public address system to avoid any accident.
21. A study has to be conducted to assess the optimum blast parameters and blast design to keep the vibration limits less than prescribed levels and only such design and parameters should be implemented while blasting is done. Periodical monitoring of the vibration at specified location to be conducted and records kept for inspection.
22. The Proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF & CC, GoI on 16.11.2009.
23. The following measures are to be implemented to reduce Air Pollution during transportation of mineral i. Roads shall be graded to mitigate the dust emission. ii. Water shall be sprinkled at regular interval on the main road and other service roads to suppress dust
24. The following measures are to be implemented to reduce Noise Pollution i. Proper and regular maintenance of vehicles and other equipment ii. Limiting time exposure of workers to excessive noise. iii. The workers employed shall be provided with protection equipment and earmuffs etc. iv. Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.
25. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010, dt: 11.01.2010 issued by the MoEF & CC, GoI to control noise to the prescribed levels.
26. Suitab

RECOMMENDATIONS OF EAC

The committee's recommendation: 1. The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that I. The project has been accorded Environmental Clearance. II. Copies of clearance letters are available with the Tamil Nadu Pollution Control Board. III. Environmental Clearance may also be seen on the website of the SEIAA. IV. The advertisement should be made within 7 days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the SEIAA. 2. Mining activity should be reviewed by the District Collector after three years and decide for further extension. 3. The applicant has to obtain land use classification as industrial use before issue/renewal of mining lease. 4. NOC from the Standing committee of the NBWL shall be obtained, if protected areas are located within 10 Km from the proposed project site. 5. The project proponent shall comply the conditions laid down in the Section V, Rule 36 of Tamil Nadu Minor Minerals Concession Rules 1959. 6. A copy of the Environment Clearance letter shall be sent by the proponent to the concerned Panchayat, Town Panchayat / Panchayat union/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the proponent and also kept at the site, for the general public to see. 7. Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the lease area on all sides with red flags on every pillar shall be erected before commencement of quarrying. 8. The proponent shall ensure that First Aid Box is available at site. 9. The excavation activity shall not alter the natural drainage pattern of the area. 10. The excavated pit shall be restored by the project proponent for useful purposes. 11. The proponent shall quarry and remove only in the permitted areas as per the approved Mining Plan details. 12. The quarrying operation shall be restricted between 7AM and 5 PM. 13. The proponent shall take necessary measures to ensure that there shall not be any adverse impacts due to quarrying operation on the nearby human habitations, by way of pollution to the environment. 14. A minimum distance of 50 mts. From any civil structure shall be kept from the periphery of any excavation area. 15. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources. 16. The mined out pits should be backfilled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation. 17. Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust. 18. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities. 19. The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority. 20. Blasting shall be carried out after announcing to the public adequate through public address system to avoid any accident. 21. A study has to be conducted to assess the optimum blast parameters and blast design to keep the vibration limits less than prescribed levels and only such design and parameters should be implemented while blasting is done. Periodical monitoring of the vibration at specified location to be conducted and records kept for inspection. 22. The Proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF & CC, GoI on 16.11.2009. 23. The following measures are to be implemented to reduce Air Pollution during transportation of mineral i. Roads shall be graded to mitigate the dust emission. ii. Water shall be sprinkled at regular interval on the main road and other service roads to suppress dust 24. The following measures are to be implemented to reduce Noise Pollution i. Proper and regular maintenance of vehicles and other equipment ii. Limiting time exposure of workers to excessive noise. iii. The workers employed shall be provided with protection equipment and earmuffs etc. iv. Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks. 25. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010, dt: 11.01.2010 issued by the MoEF & CC, GoI to control noise to the prescribed levels. 26. Suitab

Conclusion

Recommended

Member Secretary Condition

Specific Condition

S.No	Condition
(1)	NOC from the Standing committee of the NBWL shall be obtained, if protected areas are located within 10 Km from the proposed project site. The project proponent shall comply the conditions laid down in the Section V, Rule 36 of Tamil Nadu Minor Minerals Concession Rules 1959. A copy of the Environment Clearance letter shall be sent by the proponent to the concerned Panchayat, Town Panchayat / Panchayat union/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the proponent and also kept at the site, for the general public to see.
(2)	65. The recommendation for the issue of environmental clearance is subject to the outcome of the Honâ€™ble NGT, Principal Bench, New Delhi in O.A No.186 of 2016 (M.A.No.350/2016), O.A. No.200/2016, O.A.No.580/2016 (M.A.No.1182/2016), O.A.No.102/2017, 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), 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).
(3)	23. The following measures are to be implemented to reduce Air Pollution during transportation of mineral i. Roads shall be graded to mitigate the dust emission. ii. Water shall be sprinkled at regular interval on the main road and other service roads to suppress dust 24. The following measures are to be implemented to reduce Noise Pollution i. Proper and regular maintenance of vehicles and other equipment ii. Limiting time exposure of workers to excessive noise. iii. The workers employed shall be provided with protection equipment and earmuffs etc. iv. Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks
(4)	The mined out pits should be backfilled where warranted and area should be suitably landscaped to prevent environmental degradation. The mine closure plan as furnished in the proposal shall be strictly followed with back filling and tree plantation. Wet drilling method is to be adopted to control dust emissions. Delay detonators and shock tube initiation system for blasting shall be used so as to reduce vibration and dust. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
(5)	Quarry lease area should be demarcated on the ground with wire fencing to show the boundary of the lease area on all sides with red flags on every pillar shall be erected before commencement of quarrying. The proponent shall ensure that First Aid Box is available at site. The excavation activity shall not alter the natural drainage pattern of the area. The excavated pit shall be restored by the project proponent for useful purposes. The proponent shall quarry and remove only in the permitted areas as per the approved Mining Plan details.
(6)	Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous & other Wastes (Management, Handling, and trans boundary movement) Rules, 2016 and its amendments thereof to the recyclers authorized by TNPCB. Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986. Rain water harvesting to collect and utilize the entire water falling in land area should be provided.
(7)	The Project Proponent shall provide solar lighting system to the nearby villages. Rainwater shall be pumped out Via Settling Tank only Earthen bunds and barbed wire fencing around the pits with

	green belt all along the boundary shall be developed and maintained. Safety equipments to be provided to all the employees. Safety distance of 50m has to be provided in case of railway, reservoir, canal/odai The Assistant/Deputy Director, Department of Geology & mining shall ensure that the proponent has engaged the blaster with valid Blasting license/certificate obtained from the competent authority before execution of mining lease.
(8)	25. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010, dt: 11.01.2010 issued by the MoEF & CC, GoI to control noise to the prescribed levels. 26. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB. Suitable measures should be taken for rainwater harvesting. 27. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.
(9)	34. The lease holder shall undertake adequate safeguard measures during extraction of material and ensure that due to this activity, the hydro-geological regime of the surrounding area shall not be affected. Regular monitoring of ground water level and quality shall be carried out around the mine lease area during the mining operation. If at any stage, if it is observed that the groundwater table is getting depleted due to the mining activity; necessary corrective measures shall be carried out. District Collector/mining officer shall ensure this.
(10)	74. As per MoEF & CC, GoI, Office Memorandum dated 30.03.2015, prior clearance from Forestry & Wildlife angle including clearance from obtaining committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site is located within 10KM from National Park and Sanctuaries
(11)	The quarrying operation shall be restricted between 7AM and 5 PM. The proponent shall take necessary measures to ensure that there shall not be any adverse impacts due to quarrying operation on the nearby human habitations, by way of pollution to the environment. A minimum distance of 50 mts. From any civil structure shall be kept from the periphery of any excavation area. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources.
(12)	The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority. Blasting shall be carried out after announcing to the public adequate through public address system to avoid any accident. A study has to be conducted to assess the optimum blast parameters and blast design to keep the vibration limits less than prescribed levels and only such design and parameters should be implemented while blasting is done. Periodical monitoring of the vibration at specified location to be conducted and records kept for inspection. The Proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF & CC, GoI on 16.11.2009.
(13)	Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose. The following measures are to be adopted to control erosion of dumps:- i. Retention/ toe walls shall be provided at the foot of the dumps. ii. Worked out slopes are to be stabilized by planting appropriate shrub/ grass species on the slopes.
(14)	67. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine as reported. All the condition imposed by the District Collector, Virudhunagar vide Na.Ka.No. KV1/482/2018-Kanimam Dated: 29.10.2018 should be strictly followed. The project proponent shall utilize the CER amount for Rs. 0.31 Lakhs (2% of project cost) to carry out for infrastructure facilities in Kottaiyur Village, Govt School as per Office Memorandum of MoEF & CC dated 01.05.2018. The above activity shall be carried out before obtaining CTO from TNPCB.
(15)	No tree-felling shall be done in the leased area, except only with the permission from competent Authority. To take up environmental monitoring of the proposed quarry site before, during and after

	the mining activities including vibration study data, water, air & flora/fauna environment, slurry water generated/disposed and method of disposal, involving a reputed academic Institution.
(16)	It shall be ensured that the total extent of nearby quarries(existing, abandoned and proposed) located within 500 meter radius from the periphery of this quarry is not exceeding 5 hectares within the mining lease period of this application
(17)	2. Mining activity should be reviewed by the District Collector after three years and decide for further extension. The applicant has to obtain land use classification as industrial use before issue/renewal of mining lease.
(18)	The Project proponent has to strictly comply the outcome/direction of the Honâ€™ble NGT, Principle Bench, New Delhi in the O.A No.186 of 2016 (M.A.No.350/2016), O.A. No.200/2016, O.A.No.580/2016 (M.A.No.1182/2016), O.A.No.102/2017, 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), 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).
(19)	1. The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing the public that I. The project has been accorded Environmental Clearance. II. Copies of clearance letters are available with the Tamil Nadu Pollution Control Board. III. Environmental Clearance may also be seen on the website of the SEIAA. IV. The advertisement should be made within 7 days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the SEIAA.
(20)	33. Rain water getting accumulated in the quarry floor shall not be discharged directly to the nearby stream or water body. If it is to be let into the nearby water body, it has to be discharged into a silt trap on the surface within the lease area and only the overflow after allowing settling of soil be let into the nearby waterways. The silt trap should be of sufficient dimensions to catch all the silt water being pumped out during one season. The silt trap should be cleaned of all the deposited silt at the end of the season and kept ready for taking care of the silt in the next season.

and also enclosed as **Annexure-I**

The proposal was considered by Expert Appraisal Committee in its ----- th meeting held during ----- to ----- . After detailed deliberation the committee recommended for grant of Environment Clearance subject to Specific and General conditions.

The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee and hereby decided to grant Environmental Clearance for the proposed ----- (Project Name), located at ----- .

CONSIDERATION/RECONSIDERATION OF EC PROPOSAL (Extension/Amendment/Corrigendum)

(1) Proposal No. :- **SIA/TN/IND2/42942/2008** File No- **J-11011/1316/2007-IA II (I)**

Type Of Project
: **Amendment**

INTRODUCTION

The proponent made online application vide proposal no. **SIA/TN/IND2/42942/2008** dated **16 Sep 2019** along with copies of EIA/EMP seeking environment clearance under the provisions of the EIA Notification, 2006 for the above mentioned project. The proposed project activity is listed at SL.No. ----- , under Category " **B** " of EIA Notification 2006

and the proposal is appraised at Central level.

.....-th/nd/rd meeting held on ----- and prescribed ToRs to the project for undertaking detailed EIA study for obtaining Environmental Clearance. Accordingly, the Ministry of Environment, Forest and Climate Change had prescribed ToRs to the project on

PROJECT DETAILS

The project of M/s **DHANALAKSHMI SRINIVASAN SUGARS PVT LTD DISTILLERY UNIT** located in

State of the project			
S. No.	State	District	Tehsil
(1.)	Tamil Nadu	Perambalur	Veppanthattai

The salient features of the project submitted by the project proponent is available at [Report](#) under online proposal no. **SIA/TN/IND2/42942/2008**

DELIBERATION IN EAC

After detailed deliberations, the committee observed:- **Based on the presentation made by the proponent and the documents furnished. the SEAC decided that the industry has potential to cause pollution in the form of gaseous emission.effluents ,hazardous waste and noise,SEAC decided -the-spot inspection of the industrial operation to assess the correct statusofcompliancesof Environmental pollution control and based on the inspection SEAC will decide the further course of action.**

RECOMMENDATIONS OF EAC

The commiittee's recommendation **Based on the presentation made by the proponent and the documents furnished. the SEAC decided that the industry has potential to cause pollution in the form of gaseous emission.effluents ,hazardous waste and noise,SEAC decided -the-spot inspection of the industrial operation to assess the correct statusofcompliancesof Environmental pollution control and based on the inspection SEAC will decide the further course of action.**

Conclusion : SiteVisit

Member Secretary Condition	
Specific Condition	
S.No	Condition
(1)	Based on the presentation made by the proponent and the documents furnished. the SEAC decided that the industry has potential to cause pollution in the form of gaseous emission.effluents ,hazardous waste and noise,SEAC decided -the-spot

	inspection of the industrial operation to assess the correct status of compliance of Environmental pollution control and based on the inspection SEAC will decide the further course of action.
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and also enclosed as **Annexure-I**

The proposal was considered by Expert Appraisal Committee in its ----- th meeting held during ----- to ----- . After detailed deliberation the committee recommended for grant of Environment Clearance subject to Specific and General conditions.

The Ministry of Environment, Forest and Climate Change has considered the application based on the recommendations of the Expert Appraisal Committee and hereby decided to grant Environmental Clearance for the proposed ----- (Project Name), located at -----
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