



THE NEW
**INDIAN
EXPRESS**

05 CHENNAI

TAMILNADU

TUESDAY 04.09.2018



TAMILNADU MINERALS LIMITED

(An Undertaking of Government of Tamil Nadu)
31, Kamarajar Salai, Chempauk, Chennai - 600 005.
Email : tamin@tamingranites.com Website : www.tamingranites.com

PUBLIC NOTICE

R.C.No. 447/ML3/2018

Dated: 03.09.2018

M/s Tamil Nadu Minerals Limited, Chennai has been accorded Environmental Clearance for following Mining Projects by the District Environmental Impact Assessment Authority (DEIAA), Dharmapuri.

Details of the Project					Ref.No. in which Environmental Clearance accorded by DEIAA, Dharmapuri.
Sl. No.	Name of the Village, Taluk and District	SF No.	Extent in Ha.	Name of the Mineral	
1.	Ajjanahalli Pennagaram (Taluk) Dharmapuri. (District)	935	3.38.5	Black Granite	06/DEIAA-DPI/EC.No.06/2018 dated : 14.08.2018
2.	Nekkunthi Dharmapuri (Taluk) Dharmapuri (District)	196	4.10.5	Black Granite	05/DEIAA-DPI/EC.No.05/2018 dated : 14.08.2018

The copy of Environmental Clearance letter can be seen in the website of Tamilnadu Pollution Control Board (<http://www.tnpcb.gov.in>) as well as in the website of the District Level Environmental Impact Assessment Authority (DEIAA), Dharmapuri i.e (environmentclearance.nic.in) or (envfor.nic.in) and also in the website of TAMIN i.e (<http://www.tamingranites.com>)

DIPR/1102/DISPLAY/2018

MANAGING DIRECTOR

12 தினமணி சென்னை

செவ்வாய்க்கிழமை, 4 செப்டம்பர் 2018



தமிழ்நாடு கனிம நிறுவனம்

(தமிழ்நாடு அரசு நிறுவனம்)
எண்.31, காமராஜ சாலை, சேட்டபாக்கம், சென்னை-600 006
தொ.பெ.:044/29862018 திகி: 91-44-28524960
மின்னஞ்சல் : tamin@tamingranites.com இணையதளம்: www.tamingranites.com

R.C.No. 447/ML3/2018 **பொது அறிவிப்பு** நாள்: 03.09.2018

தமிழ்நாடு கனிம நிறுவனத்தால், துவங்க உத்தேசிக்கப்பட்டுள்ள கீழ்க்கண்ட கிராடை கரங்கத் திட்டங்களுக்கு மாவட்ட கற்றுச் சூழல் தாக்க மதிப்பீட்டு ஆணையம் (DEIAA) தர்மபுரி மாவட்டம் கீழ்க்கண்டவாறு கற்றுச் சூழல் அனுமதி வழங்கியுள்ளது.

திட்டத்தின் விபரம்					மாவட்ட கற்றுச் சூழல் தாக்க மதிப்பீட்டு ஆணையத்தின் அனுமதி கடித எண். மற்றும் நாள்.
வகை	கிராமம், வட்டம் மற்றும் மாவட்டத்தின் பெயர்	புல எண்.	பரப்பளவு (ஹெக்டரில்)	கனிம வகைகள்	
1.	ஆற்றினஹள்ளி பென்னசுரம் (ல) தர்மபுரி (மா)	935	3.38.5	கருப்பு கிராடை.	06/DEIAA-DPI/EC.No.06/2018 dated : 14.08.2018
2.	நெக்குந்தி தர்மபுரி (ல) தர்மபுரி (மா)	196	4.19.5	கருப்பு கிராடை.	05/DEIAA-DPI/EC.No.05/2018 dated : 14.08.2018

இவ்வனுமதியின் நகலை தமிழ்நாடு மாகாட்டுப்பாடு வரியத்தின் இணையதளம் (<http://www.tnpcb.gov.in>), மாவட்ட கற்றுச் சூழல் தாக்க மதிப்பீட்டு ஆணையத்தின் இணையதளம், தர்மபுரி மாவட்டம் (environmentclearance.nic.in) or (envfor.nic.in) மற்றும் தமிழ்நாடு கனிம நிறுவனத்தின் இணையதளம் (<http://www.tamingranites.com>) ஆகியவற்றில் காணலாம்.

வெ.ம.செ.இ/1102/வழைகலை/2018 மேலாண் இயக்குநர்



TMT.S.MALARVIZHI, A.S.,
CHAIRPERSON- DEIAA/
DISTRICT COLLECTOR

District Level Environment Impact
Assessment Authority, Collectorate,
Dharmapuri.

ENVIRONMENTAL CLEARANCE

Lr.No.06/DEIAA-DPI/EC.No.06/2018 dated. 14.08.2018

To

Tvl.TamilNadu Minerals Limited,
No.31, Kamarajar Salai,
TWAD House, Chepauk,
Chennai- 600 005.

Sir,


Sub: DEIAA-Dharmapuri District - Existing Black Granite quarry over an extent of 3.38.50 Hects. in Government Poramboke land - S.F.No.935 of Ajjanahalli village of Pennagaram Taluk and Dharmapuri District by Tvl.TamilNadu Minerals Limited - - issue of Expansion of Environmental Clearance for Enhancement of Production - Reg.

- Ref:**
1. Application of Tvl.TamilNadu Minerals Limited, Chennai-05 for Expansion Environment Clearance for Enhancement of Production dated 13.06.2018 submitted at DEIAA, Dharmapuri, TamilNadu.
 2. Minutes of the DEAC meeting held on 14.08.2018
 3. Minutes of the DEIAA meeting held on 14.08.2018.

Details of Minor mineral Activity:-

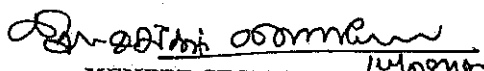
This has reference to your application first cited. The proposal is for obtaining Expansion of Environmental Clearance for Enhancement of Production for existing mining / quarrying of minor minerals based on the particulars furnished in your application as shown below:

1.	Name of Project Proponent and address	Tvl.TamilNadu Minerals Limited, No.31, Kamarajar Salai, TWAD House, Chepauk, Chennai- 600 005
2.	Location of the Proposed Activity	
	Survey Number and Extent	S.F.No.935 Extent: 3.38.50
	Latitude and Longitude	12° 03' 51.38"N 77° 49' 55.70"E
	Village	Ajjanahalli


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	Taluk	Pennagaram
	District	Dharmapuri
3.	Proposed Activity	
	i. Minor mineral	Black Granite
	ii. Mining Lease Area	3.38.50 Hects.
	iii. Approved quantity	6147 Cu.m. of Black Granite for a period of Five years
	iv. Depth of Mining	30 mts.
	v. Type of mining	Opencast, semi mechanized mining
	vi. Category (B1/B2)	B2
	vii. Precise Area Communication	Already Existing lease and applied for Expansion of Environmental Clearance for Enhancement Production.
	viii. Mining Plan approval	The Scheme of Mining was approved by the Director of Geology and Mining, Chennai vide letter No.4471/MM5/ 2018 dated 09.07.2018.
	ix. Mining lease period	20 years
4.	Whether Project area attracts any general conditions specified in the EIA notification, 2006 as amended:-	Not attracted. Affidavit furnished.
5.	Man Power requirement per day	55 Employees
6.	Utilities	
	i. Source of Water	a. Packaged drinking water is available from the approved water vendor. b. From existing bore hole nearby quarry.
	ii. Quantity of Water Requirement in KLD:	
	a. Drinking & domestic purposes	0.500
	b. Wire Saw Cutting	0.300

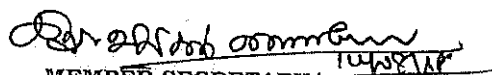

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	c.	Dust suppression & Green Belt	0.700
	iii.	Power requirement	
	a.	Domestic purpose	TNEB
	b.	Industrial purpose	TNEB or from Solar Light
7.	Cost:		
	i.	Project Cost	Rs.99,97,000/-
	ii.	EMP Cost	Rs.2,05,000/-
8.	Public Consultation:-		Not required as per O.M. dated 24.12.2013 of MoEF, GOI.
9.	Date of Appraisal by DEAC: Agenda No.		14.08.2018 05-02
10.	Date of review / discussion by DEIAA and the Remarks:- The proposal was placed before the DEIAA in its 5 th meeting on 14.08.2018 and the Authority after careful consideration, decided to grant Expansion of Environmental Clearance for Enhancement of Production to the said project Mining of Black Granite subject to terms and conditions stipulated under the provisions of Environment Impact Assessment Notification, 2006 as amended.		
11.	Validity: The Environmental Clearance will be coterminous with the mine lease period or limited to a maximum period of 5 years from the date of issue whichever is earlier.		

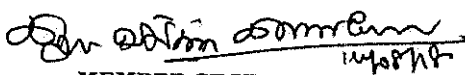
Conditions to be Compiled before / during commencing operations:-

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 TamilNadu Pollution Control Board, Dharmapuri District.
 - iii) Environmental Clearance may also be seen on the website of the District Environment Impact Assessment Authority, Dharmapuri (TamilNadu).


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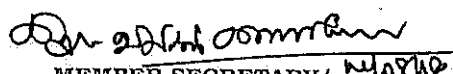
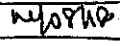
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- iv) The advertisement should be made within 7 days from the date of receipt of the clearance letter and a copy of the same shall be forwarded to the DEIAA, Dharmapuri.
2. The applicant has to obtain land use classification as industrial use before issue / renewal of mining lease.
 3. The project proponent shall comply the conditions laid down in Section V, Rule 36 of Tamil Nadu Minor Mineral Concession Rules, 1959.
 4. 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.
 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.
 6. The proponent shall ensure that First Aid Box is available at site.
 7. The excavation activity shall not alter the natural drainage pattern of the area.
 8. The excavated pit shall be restored by the project proponent for useful purposes.
 9. The proponent shall quarry and remove only in the permitted areas as per the approved Mining Plan details.
 10. The quarrying operation shall be carried out between 07.00 A.M. to 05.00 P.M. only.
 11. 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.
 12. A minimum distance of 15 mts. From any civil structure shall be kept from the periphery of any excavation area.


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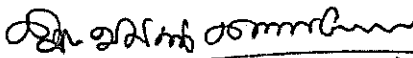
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13. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources.
14. The mined out pits should be 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.
15. 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.
16. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
17. The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority.
18. Blasting shall be carried out after announcing to the public adequate through public address system to avoid any accident.
19. 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.
20. The proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF, GOI on 16.11.2009.
21. 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.
22. 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.


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- 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.
23. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010, dated 11.01.2010 issued by the MoE&F, GOI to control noise to the prescribed levels.
 24. 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.
 25. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.
 26. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
 27. 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.
 28. Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous Wastes (Management, Handling and trans boundary movement) rules, 2008 and its amendments thereof to the recyclers authorized by TNPCCB.
 29. 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.
 30. Rain water harvesting to collect and utilize the entire water falling in land area should be provided.
 31. 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


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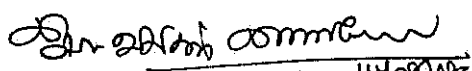
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- allowing settling of soil be let into the nearby waterways. The silt trap should be of sufficient dimensions to catch all the silt water being pumped out during one season. the silt trap should be cleaned of all the deposited silt at the end of the season and kept ready for taking care of the silt in the next season.
32. 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 measures shall be carried out Competent Authority shall ensure this.
 33. No tree-felling shall be done in the leased area, except only with the permission from competent Authority.
 34. 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.
 35. 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 25 hectares within the mining lease period of this application.
 36. It shall be ensured that there is no habitation is located within 300 metre radius from the periphery of the quarry 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.
 37. Ground water quality monitoring should be conducted once in 3 Months.
 38. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
 39. Free Silica test should be conducted and reported to TNPCB, Department of Geology and Mining and Regional Director, MoEF, GOI.
 40. Air sampling at intersection point should be conducted and reported to TNPCB, Department of Geology and Mining and Regional Director, MoEF, GOI.


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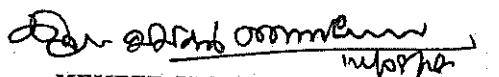
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41. Bunds to be provided at the boundary of the project site.
42. The project proponent shall undertake plantation/afforestation work by planting the native species on all side of the lease area at the rate of 400/HA. Suitable tall tree saplings should be planted on the bunds and other suitable areas in and around the work place.
43. At least 10 Neem trees should be planted around the boundary of the quarry site.
44. Floor of excavated pit to be leveled and sides to be sloped with gentle slope (Except for granite quarries) in the mine closure phase.
45. The Project Proponent shall ensure a minimum of 2.5% of the annual turnover will be utilized for the CSR Activity.
46. The CSR Funds should be channelized for planting programme, nature conservation support, tribal development and activities that support forest and environment
47. The Project Proponent shall provide solar lighting system to the nearby villages.
48. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
49. Rain water shall be pumped out via settling Tank only.
50. Earthen bunds and barbed wire fencing around the pits with green belt all along the boundary shall be developed and maintained.
51. As per MoEF & CC, GoI, 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, if the project site is located within 10 Km from National Park and Sanctuaries.
52. 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.
53. Safety equipments to be provided to all the employees.
54. Safety distance of 50m has to be provided in case of Railway, Reservoir, Canal / Odai.


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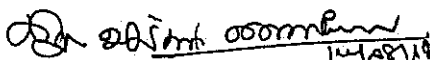
55. The Assistant Director/Deputy Director, Department Geology and Mining shall ensure that the proponent has engaged the blaster with valid Blasting license/certificate obtained from the competent authority before execution of mining lease.
56. The proponent shall furnish the baseline Data covering the Air, Water, Noise and land environmental quality for the proposed quarry site before execution of mining lease.
57. The proponent shall erect the pillars in accordance with the Rules for depicting GPS details in the earmarked quality for the proposed quarry site before execution of mining lease.
58. The proponent shall furnish the data obtained from Public Works Department regarding the details of Ground Water table in the quarry site.
59. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.
60. The proponent has to display the name board at the quarry site showing the details of Proponent, lease period, extent etc., with respect to the existing activity before execution of mining.
61. Heavy earth machinery equipments if utilized, after getting approval from the competent authority.
62. The quarrying activity in no way should disturb the Wildlife habitat, free migratory movement of the wildlife nor disturb the wildlife in any way.
63. The proponent shall ensure that the project activity including blasting, mining transportation etc., should in no way have adverse impact to the other forests, such as reserve forests and social forests, tree plantation and bio diversity, surrounding water bodies etc.,
64. The project proponent shall provide Green Belt development at the rate of less than 400 trees/ Hectare. The tree saplings shall be not less than 1m height.
65. 1/3rd of the area should be maintained as green cover by planting saplings & will also act as shelter belt for Noise/ Dust Pollution
66. If there is any change in the proposal of production or handling the waste amendment has to be submitted to DEIAA for further approval.


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B. General Conditions:

1. The quarry boundaries should be filled with excavated waste on the three sides except towards eastern direction and to be afforested with grasses & saplings.
2. EC is given only on the factual records, documents and the commitment furnished in non judicial stamp paper by the proponent.
3. The Proponent shall obtain the Consent for Establishment from the TNPC Board before commencing the activity.
4. No change in mining technology and scope of working should be made without prior approval of the DEIAA, Dharmapuri, TamilNadu.
5. No change in the calendar plan including excavation, quantum of mineral (minor mineral) should be made.
6. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particular matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
7. Effective safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
8. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
9. 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.
10. 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 them mineral shall not be overloaded.
11. Access and haul roads to the quarrying area should be restored in a mutually agreeable manner where these are considered unnecessary after extraction has been completed.


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12. 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. 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.
14. Workers/labourers shall be provided with facilities for drinking water and sanitation facility for Female and Male separately.
15. The project proponent shall ensure that child laborer is not employed in the project as per the sworn affidavit furnished.
16. 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.
17. 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.
18. This Environmental Clearance does not imply that the other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would be considering the project on merits and be taking decisions independently of the Environmental Clearance
19. The DEIAA, Dharmapuri (Tamil Nadu), may alter/modify the above conditions or stipulate any further conditions in the interest of environment protection.
20. The DEIAA, Dharmapuri (Tamil Nadu), 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 DEIAA, Dharmapuri (Tamil Nadu) that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.


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21. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
22. The above conditions will be enforced inter-alia, 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, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 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 Courts of Law relating to the subject matter.
23. Any other conditions stipulated by other Statutory/ Government authorities shall be complied.
24. Any appeal against this environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.


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Copy to

1. The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi.
2. The Principal Secretary, Environment and Forest Department, Government of Tamil Nadu, Tamil Nadu.
3. The Principal Secretary to Government, Industries Department, Government of Tamil Nadu, Tamil Nadu.
4. The Additional Principal Chief Conservator of Forests, Regional Office (SZ), 34, HEPC Building 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam, Chennai-34.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex East Arjun Nagar, New Delhi 110 032.
6. The Member Secretary, State Level Environmental Impact Assessment Authority Tamil Nadu Panagal Building Saidapet, Chennai
7. The Chairman Tamil Nadu Pollution Control Board, 76 Mount Salai (Guindy, Chennai-32)
8. The Director of Geology and Mining, Guindy, Chennai-32
9. E1 Division, Ministry of Environment and Forests Paryavaran Bhawan, New Delhi.
10. File No.06/ DEIAA/DPI/2018.

TMT.S.MALARVIZHI, I.A.S.,
CHAIRPERSON- DEIAA/
DISTRICT COLLECTOR

District Level Environment Impact
Assessment Authority, Collectorate,
Dharmapuri.

ENVIRONMENTAL CLEARANCE

Lr.No.05/DEIAA-DPI/EC.No.05/2018 dated.14.08.2018

To

Tvl.TamilNadu Minerals Limited,
No.31, Kamarajar Salai,
TWAD House, Chepauk,
Chennai- 600 005.

Sir,



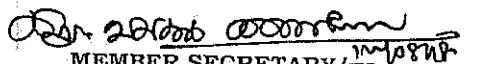
Sub: DEIAA - Dharmapuri District - Existing Black Granite quarry over an extent of 4.19.5 Hects. in Government Poramboke land - S.F.No.196 of Nekkunthi village of Dharmapuri (Now Nallampalli) Taluk and Dharmapuri District by Tvl.TamilNadu Minerals Limited - issue of Expansion of Environmental Clearance for Enhancement of Production - Reg.

- Ref:**
1. Application of Tvl.TamilNadu Minerals Limited, Chennai-05 for Expansion Environment Clearance dated 26.04.2018 submitted at DEIAA, Dharmapuri, TamilNadu.
 2. Minutes of the DEAC meeting held on 14.08.2018
 3. Minutes of the DEIAA meeting held on 14.08.2018.

Details of Minor mineral Activity:-

This has reference to your application first cited. The proposal is for obtaining Expansion of Environmental Clearance for Enhancement of Production for existing mining / quarrying of minor minerals based on the particulars furnished in your application as shown below:

1.	Name of Project Proponent and address	Tvl.TamilNadu Minerals Limited, No.31, Kamarajar Salai, TWAD House, Chepauk, Chennai- 600 005
2.	Location of the Proposed Activity	
	Survey Number and Extent	S.F.No.196 Extent: 4.19.5
	Latitude and Longitude	12° 04' 52.90"N 77° 58' 33.30"E
	Village	Nekkunthi


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	Taluk	Dharmapuri (Now Nallampalli)
	District	Dharmapuri
3.	Proposed Activity	
	i. Minor mineral	Black Granite
	ii. Mining Lease Area	4.19.5 Hects.
	iii. Approved quantity	1824 Cu.m. of Black Granite for a period of Five years.
	iv. Depth of Mining	20 mts.
	v. Type of mining	Opencast, semi mechanized mining
	vi. Category (B1/B2)	B2
	vii. Precise Area Communication	Already Existing lease and applied for Expansion of Environmental Clearance
	viii. Mining Plan approval	The Scheme of Mining was approved by the Director of Geology and Mining, Chennai vide letter No.8475/MM5/2016 dated 27.06.2018.
	ix. Mining lease period	30 years
4.	Whether Project area attracts any general conditions specified in the EIA notification, 2006 as amended:-	
	Not attracted. Affidavit furnished.	
5.	Man Power requirement per day	
	55 Employees	
6.	Utilities	
	i. Source of Water	a. Packaged drinking water is available from the approved water vendor. b. From existing bore hole nearby quarry.
	ii. Quantity of Water Requirement in KLD:	
	a. Drinking & domestic purposes	0.500

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	b.	Wire Saw Cutting	0.300
	c.	Dust suppression & Green Belt	0.700
	iii.	Power requirement	
	a.	Domestic purpose	TNEB
	b.	Industrial purpose	TNEB or from Solar Light
7.	Cost:		
	i.	Project Cost	Rs.99,97,000/-
	ii.	EMP Cost	Rs.2,05,000/-
8.	Public Consultation:-		Not required as per O.M. dated 24.12.2013 of MoEF, GOI.
9.	Date of Appraisal by DEAC: Agenda No.		14.08.2018 05-01
10.	Date of review / discussion by DEIAA and the Remarks:- The proposal was placed before the DEIAA in its 5 th meeting on 14.08.2018 and the Authority after careful consideration, decided to grant Expansion of Environmental Clearance for Enhancement of Production to the said project Mining of Black Granite subject to terms and conditions stipulated under the provisions of Environment Impact Assessment Notification, 2006 as amended.		
11.	Validity: The Environmental Clearance will be coterminous with the mine lease period or limited to a maximum period of 5 years from the date of issue whichever is earlier.		

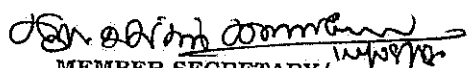
Conditions to be Compiled before / during commencing operations:-

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 TamilNadu Pollution Control Board, Dharmapuri District.
 - iii) Environmental Clearance may also be seen on the website of the District Environment Impact Assessment Authority, Dharmapuri (TamilNadu).

[Handwritten Signature]
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- 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 DEIAA, Dharmapuri.
2. The applicant has to obtain land use classification as industrial use before issue / renewal of mining lease.
 3. The project proponent shall comply the conditions laid down in Section V, Rule 36 of Tamil Nadu Minor Mineral Concession Rules, 1959.
 4. 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.
 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.
 6. The proponent shall ensure that First Aid Box is available at site.
 7. The excavation activity shall not alter the natural drainage pattern of the area.
 8. The excavated pit shall be restored by the project proponent for useful purposes.
 9. The proponent shall quarry and remove only in the permitted areas as per the approved Mining Plan details.
 10. The quarrying operation shall be carried out between 07.00 A.M. to 05.00 P.M.
 11. 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.
 12. A minimum distance of 15 mts. From any civil structure shall be kept from the periphery of any excavation area.


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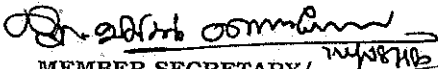
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13. Depth of quarrying shall be 2m above the ground water table /approved depth of mining whichever is lesser to be considered as a safe guard against Environmental Contamination and over exploitation of resources.
14. The mined out pits should be 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.
15. 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.
16. Drilling and blasting shall be done only either by licensed explosive agent or by the proponent after obtaining required approvals from Competent Authorities.
17. The explosives shall be stored at site as per the conditions stipulated in the permits issued by the licensing Authority.
18. Blasting shall be carried out after announcing to the public adequate through public address system to avoid any accident.
19. 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.
20. The proponent shall take appropriate measures to ensure that the GLC shall comply with the revised NAAQ norms notified by MoEF, GOI on 16.11.2009.
21. 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.
22. 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.

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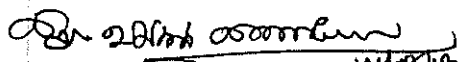
- iii. The workers employed shall be provided with protection equipment and earmuffs etc.
- iv. Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 Kmph to prevent undue noise from empty trucks.
23. Measures should be taken to comply with the provisions laid under Noise Pollution (Regulation and Control) (Amendment) Rules, 2010, dated 11.01.2010 issued by the MoE&F, GOI to control noise to the prescribed levels.
24. 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.
25. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.
26. Topsoil, if any, shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose.
27. 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.
28. Waste oils, used oils generated from the EM machines, mining operations, if any, shall be disposed as per the Hazardous Wastes (Management, Handling and trans boundary movement) rules, 2008 and its amendments thereof to the recyclers authorized by TNPCB.
29. 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.
30. Rain water harvesting to collect and utilize the entire water falling in land area should be provided.
31. 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


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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.

32. 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 measures shall be carried out Competent Authority shall ensure this.
33. No tree-felling shall be done in the leased area, except only with the permission from competent Authority.
34. 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.
35. 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 25 hectares within the mining lease period of this application.
36. It shall be ensured that there is no habitation is located within 300 metre radius from the periphery of the quarry 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.
37. Ground water quality monitoring should be conducted once in 3 Months.
38. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
39. Free Silica test should be conducted and reported to TNPCB, Department of Geology and Mining and Regional Director, MoEF, GOI.
40. Air sampling at intersection point should be conducted and reported to TNPCB, Department of Geology and Mining and Regional Director, MoEF, GOI.


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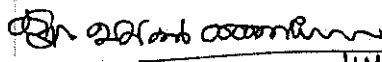
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41. Bunds to be provided at the boundary of the project site.
42. The project proponent shall undertake plantation/afforestation work by planting the native species on all side of the lease area at the rate of 400/HA. Suitable tall tree saplings should be planted on the bunds and other suitable areas in and around the work place.
43. At least 10 Neem trees should be planted around the boundary of the quarry site.
44. Floor of excavated pit to be leveled and sides to be sloped with gentle slope (Except for granite quarries) in the mine closure phase.
45. The Project Proponent shall ensure a minimum of 2.5% of the annual turnover will be utilized for the CSR Activity.
46. The CSR Funds should be channelized for planting programme, nature conservation support, tribal development and activities that support forest and environment
47. The Project Proponent shall provide solar lighting system to the nearby villages.
48. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
49. Rain water shall be pumped out via settling Tank only.
50. Earthen bunds and barbed wire fencing around the pits with green belt all along the boundary shall be developed and maintained.
51. As per MoEF & CC, GoI, 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, if the project site is located within 10 Km from National Park and Sanctuaries.
52. 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.
53. Safety equipments to be provided to all the employees.
54. Safety distance of 50m has to be provided in case of Railway, Reservoir, Canal / Odai.


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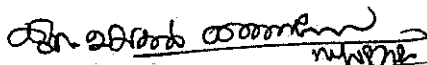
55. The Assistant Director/Deputy Director, Department Geology and Mining shall ensure that the proponent has engaged the blaster with valid Blasting license/certificate obtained from the competent authority before execution of mining lease.
56. The proponent shall furnish the baseline Data covering the Air, Water, Noise and land environmental quality for the proposed quarry site before execution of mining lease.
57. The proponent shall erect the pillars in accordance with the Rules for depicting GPS details in the earmarked quality for the proposed quarry site before execution of mining lease.
58. The proponent shall furnish the data obtained from Public Works Department regarding the details of Ground Water table in the quarry site.
59. The proponent has to provide insurance protection to the workers in the case of existing mining or provide the affidavit in case of fresh lease before execution of mining lease.
60. The proponent has to display the name board at the quarry site showing the details of Proponent, lease period, extent etc., with respect to the existing activity before execution of mining.
61. Heavy earth machinery equipments if utilized, after getting approval from the competent authority.
62. The quarrying activity in no way should disturb the Wildlife habitat, free migratory movement of the wildlife nor disturb the wildlife in any way.
63. The proponent shall ensure that the project activity including blasting, mining transportation etc., should in no way have adverse impact to the other forests, such as reserve forests and social forests, tree plantation and bio diversity, surrounding water bodies etc.,
64. The project proponent shall provide Green Belt development at the rate of less than 400 trees/ Hectare. The tree saplings shall be not less than 1m height.
65. 1/3rd of the area should be maintained as green cover by planting saplings & will also act as shelter belt for Noise/ Dust Pollution
66. If there is any change in the proposal of production or handling the waste amendment has to be submitted to DEIAA for further approval.


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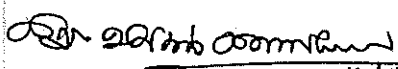
B. General Conditions:

1. The quarry boundaries should be filled with excavated waste on the three sides except towards eastern direction and to be afforested with grasses & saplings.
2. EC is given only on the factual records, documents and the commitment furnished in non judicial stamp paper by the proponent.
3. The Proponent shall obtain the Consent for Establishment from the TNPC Board before commencing the activity.
4. No change in mining technology and scope of working should be made without prior approval of the DEIAA, Dharmapuri, TamilNadu.
5. No change in the calendar plan including excavation, quantum of mineral (minor mineral) should be made.
6. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of particular matter such as loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
7. Effective safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to excavation of earth.
8. A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation.
9. 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.
10. 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 them mineral shall not be overloaded.
11. Access and haul roads to the quarrying area should be restored in a mutually agreeable manner where these are considered unnecessary after extraction has been completed.


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12. 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. 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.
14. Workers/labourers shall be provided with facilities for drinking water and sanitation facility for Female and Male separately.
15. The project proponent shall ensure that child laborer is not employed in the project as per the sworn affidavit furnished.
16. 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.
17. 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.
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20. The DEIAA, Dharmapuri (Tamil Nadu), 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 DEIAA, Dharmapuri (Tamil Nadu) that the project proponent has deliberately concealed and/or submitted false or misleading information or inadequate data for obtaining the environmental clearance.


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21. Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.
22. The above conditions will be enforced inter-alia, 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, draft Minor Mineral Conservation & Development Rules, 2010 framed under MMDR Act 1957, National Commission for protection of Child Right Rules, 2006 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 Courts of Law relating to the subject matter.
23. Any other conditions stipulated by other Statutory/ Government authorities shall be complied.
24. Any appeal against this environmental Clearance shall lie with the Hon'ble National Green Tribunal, if preferred within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.


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Copy to

1. The Secretary, Ministry of Mines, Government of India, Shastri Bhawan, New Delhi.
2. The Principal Secretary, Environment and Forest Department, Government of Tamil Nadu, Tamil Nadu.
3. The Principal Secretary to Government, Industries Department, Government of Tamil Nadu, Tamil Nadu.
4. The Additional Principal Chief Conservator of Forests, Regional Office (SZ), 34, HEPC Building 1st & 2nd Floor, Cathedral Garden Road, Nungambakkam, Chennai-34.
5. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex East Arjun Nagar, New Delhi 110 032.
6. The Member Secretary, State Level Environmental Impact Assessment Authority Tamil Nadu Panagal Building Saidapet, Chennai
7. The Chairman Tamil Nadu Pollution Control Board, 76 Mount Salai (Guindy, Chennai-32)
8. The Director of Geology and Mining, Guindy, Chennai-32
9. E1 Division, Ministry of Environment and Forests Paryavaran Bhawan, New Delhi.
10. File No.05/ DEIAA/DPI/2018.