



TAMILNADU MINERALS LIMITED

(An Undertaking of Government of Tamilnadu)

No.31, KAMARAJAR SALAI, Chepauk, Chennai 600 005.

E-mail: tamin@tamingranites.com Website: www.tamingranites.com

Rc.No.5255/ML3/2013

PUBLIC NOTICE

Dated: 11.09.2015

M/s. Tamil Nadu Minerals Limited, Chennai has been accorded Environmental Clearance for following proposed Granite Mining Project by Ministry of Environment Forest and Climate Change (MoEF)

Sl. No.	Details of the Project				Ref. No. in which Environmental Clearance accorded by SEIAA, Tamil Nadu
	Name of the Village, Taluk and District	SF No.	Extent in hecst.	Nature of Granite	
1	Mylarwada Village, Pallipatu Taluk, Thiruvallur District	189 (P)	16.95.0	Black Granite	J-11015/162/2013-IA, II(M), dated 2.09.2015

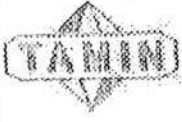
The copy of Environmental Clearance can be seen in the website of Tamil Nadu Pollution Control Board (<http://www.tnpcb.gov.in>) as well as in the website of the Ministry of Environment, Forest & Climate Change at <http://envfor.nic.in> and also in the website of TAMIN i.e. (<http://www.tamingranites.com>)

DIPR/1203/DISPLAY/2015

Managing Director

சுன மணி.

ஞாயிற்றுக்கிழமை, 13 செப்டம்பர், 2015



தமிழ்நாடு கனிம நிறுவனம்

(தமிழ்நாடு அரசு நிறுவனம்)

எண்.31, காழாஜ் சாலை, சேய்மாக்கம், சென்னை-600005

தொ.பெ.:044-28410382 / 28511972, திசு: 91-44-28524960

மின்னஞ்சல்: tamin@taminggranites.com இணையதளம்: www.taminggranites.com

ந.க.எண்.5255/ML3/2013

பொது அறிவிப்பு

நாள்: 11.09.2015

தமிழ்நாடு கனிம நிறுவனம், சென்னை அவர்களால் துவங்க உத்தேசிக்கப்பட்டுள்ள கீழ்க்கண்ட கிரானைட் கரங்க திட்டத்திற்கு மத்திய சுற்றுச் சூழல் மற்றும் வளத்தாற்றை அமைச்சகம் (MoEF), புதுவடல்லை சுற்றுச் சூழல் அனுமதி வழங்கியுள்ளது.

வ.எண்.	திட்டத்தின் விவரம்				மத்திய சுற்றுச் சூழல் தாயக மதிப்பீட்டு ஆணையத்தின் அனுமதி வழங்கிய கடித எண் மற்றும் நாள்
	கிராமம், வட்டம், மற்றும் மாவட்டத்தின் பெயர்	நிவாரண வலி	பரப்பளவு (ஹெக்டேயில்)	கிரானைட் வகை	
1	மயினார்வாடா கிராமம், பள்ளிப்பட்டு வட்டம், திருவள்ளூர் மாவட்டம்	189(1)	16,95.0	கருப்பு	J-11015/162/2013-IA, II(M), dated 2.09.2015

இவ்வனுமதியின் நகலை தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் இணையதளம் (<http://www.inpcb.gov.in>), மத்திய சுற்றுச் சூழல் மற்றும் வளத்தாற்றை அமைச்சகத்தின் (MoEF) இணையதளம் (<http://envfor.nic.in>) மற்றும் தமிழ் நாடு கனிம நிறுவனத்தின் இணையதளம் (<http://www.taminggranites.com>) ஆகியவற்றில் காணலாம்.

செ.ம.தொ.இ/1203/வரைகலை/2015

மேலவாளர் இடம்கீழ்க்கண்ட

Speed Post

No. J-11015/162/2013-IA.II (M)
Government of India

Ministry of Environment, Forest and Climate Change
Impact Assessment Division

Indira Paryavaran Bhavan,
Aliganj, Jor Bagh Road
New Delhi-110 003

Dated: 2nd September, 2015

To,

M/s Tamil Nadu Minerals Limited (TAMIN)

No. 31, Kamarajar Salai
TWAD House
Chepauk, Post Box No. 2961
Chennai, Tamil Nadu-600 005

Telephone- 044-28511972, Fax. 044-28524960
Email-tamin@tamingranites.com



Sub.: Mining of Black Granite (Minor Mineral) with proposed production capacity of 20,172 m³/Annum (ROM) by M/s Tamil Nadu Minerals Limited (TAMIN), located at village - Mylarwada, Tehsil-Pallipattu, District -Thiruvallur, Tamil Nadu (16.95ha)-Environmental Clearance regarding

Sir,

This has reference to your application for the above mentioned proposal for Mining of Black Granite (Minor Mineral) with proposed production capacity of 20,172 m³/Annum (ROM). The mine lease area is located at village - Mylarwada, Tehsil-Pallipattu, District -Thiruvallur, Tamil Nadu. The Latitudes and Longitudes of the site are 11° 08' 33"N to 11° 09' 11.6" N and 78° 54' 27.64" E to 78° 55' 01.21"E respectively & part of study area falls within the Survey of India Toposheet No. 58 L/16. It is Category 'B' project due to Inter State Boundary of Andhra Pradesh and Tamil Nadu with distance of 5.6 km on Northwest direction. The Project has been submitted to the Ministry as the tenure of the SEIAA Tamil Nadu has expired.

2. The Ministry had prescribed TOR on 12.09.2013. The Proponent after conducting Public Hearing on 11.12.2014 submitted the EIA/EMP report online for seeking environmental clearance. The proposal of EC was appraised in the EAC meeting held during July 29-30, 2015 wherein the EAC recommended the Proposal for environmental clearance for Mining of Black Granite (Minor Mineral) with proposed production capacity of 20,172 m³/Annum (ROM).

3. The mine lease area is 16.95ha which is Government Poramboke land. No forest land is involved. Government order (G.O.) for grant of mining lease for minor mineral black granite over an area of 16.95ha has been granted by the Government of Tamil Nadu, vide G.O. (3D) No.6 Industries (MME-I), dated 07.02.2012 for a period of 30 years. The Mining Plan has been approved by Director of Geology and Mining Department, Govt. of Tamil Nadu vide letter no. 1574/MM5/2008, dated 25.01.2012. Method of Mining is open cast semi-

mechanized. Mining will be carried up to a maximum depth of 20 meters from the surface of deposit. The mining activity will be carried out in 0.82.5 ha for the first five years of operation and safety distance of 7.5 m will be left for no mining zone. The site elevation is 167 m AMSL. The ground water depth is 20m bgl. The total water requirement is 2.8 KLD including water demand for domestic purposes, dust suppression and plantation development which shall be met by tankers supply. No Objection Certificate from Mylarwada village panchayat is under progress. The working is proposed on higher elevations; therefore no ground water interception during the mining operation is envisaged.

4. The Project Proponent reported that mining will be done leaving a safety distance of 7.5 m all along the boundaries of the mine lease area. Mining will be done only during day time. No mining will be done in the zone of 50m on the either side of the high tension power line passing through a part of quarry lease applied area. Project proponent reported that there will be construction of temporary sheds, temporary shelters, site office, and first aid safety rooms during operational phase and these would be removed at the time of mine closure. Mineral will be transported through existing road. Project Proponent reported that mining activities will be carried outside the habitat areas and transportation of quarried mineral will be through the existing roadways during leisure hours only, with no increase in the existing traffic pattern.

5. The project is located in Seismic Zone II. Project Proponent reported that there is no National Park, Wildlife Sanctuary, Biosphere Reserve, Wildlife Corridor in the 10 km radius study area of the mine lease. The Ammur Reserve Forest is located at 3 km from the mine lease area on SW direction and Srikalikapuram Reserve Forest is located at 8.8 km on NE direction of the mine lease area. None of the Protected/Reserve forests are within the mine lease area.

6. The baseline data was generated for the period during December 2013 to February 2014. The parameters for water and air quality were within the permissible limits. The Committee deliberated the baseline data collected by the Project Proponent. Project proponent reported that no R&R plan is applicable for this project as there are no inhabitants in and around the mine lease area.

7. The Public Hearing for the proposed project was conducted on 11.12.2014 at 11.00 A.M. at the project site located at Mylarwada village, Pallipattu taluk, Thiruvallur district, Tamil Nadu. The Public Hearing was presided over by Thiru. K. Veera Raghava Rao, District Collector, Thiruvallur. The representatives from Tamil Nadu Pollution Control Board were also presented. The issues raised during Public Hearing were also considered and discussed during the meeting, which inter-alia included priority to local people in employment, effective implementation of measures to control dust pollution, safe guard measures, preventing damage of public roads, improving revenues to the Panchayat due to quarrying of granite from the village etc.

8. The cost of the project is Rs.1.0 Crore. The Proponent has earmarked recurring cost of Rs. 4.2 Lakhs per annum towards Environmental Protection Measures. Project proponent informed that Rs. 1.0 Lakh have been earmarked towards CSR activities during mining operation. Project proponent reported that there is no litigation pending against the project.

9. The Ministry of Environment, Forest and Climate Change has examined the proposal in accordance with the Environmental Impact Assessment Notification, 2006 and further amendments thereto and hereby accords the environmental

clearance under the provisions thereof to the above mentioned proposal of **M/s Tamil Nadu Minerals Limited (TAMIN) for Mining of Black Granite (Minor Mineral) with proposed production capacity of 20,172 m³/Annum (ROM) in the mine lease area of 16.95ha, located at village - Mylarwada, Tehsil-Pallipattu, District -Thiruvallur, Tamil Nadu** subject to compliance of the followings terms and conditions and environmental safeguards mentioned below:-

A. Specific conditions

- (i) Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court of Tamil Nadu and any other Court of Law, if any, as may be applicable to this project.
- (ii) Environmental clearance is subject to obtaining clearance, if any, under the Wildlife (Protection) Act, 1972 from the Competent Authority applicable to this project.
- (iii) No mining activities will be allowed in forest area, if any, for which the Forest Clearance is not available.
- (iv) The Project Proponent shall obtain Consent to Operate from the State Pollution Control Board, Tamil Nadu and effectively implement all the conditions stipulated therein.
- (v) Proponent shall appoint an Occupational Health Specialist for Regular and Periodical medical examination of the workers engaged in the Project and maintain records accordingly; also, Occupational health check-ups for workers having some ailments like BP, diabetes, habitual smoking, etc. shall be undertaken once in six months and necessary remedial/preventive measures taken accordingly. The Recommendations of any reputed/National Institute of Miners Health, for ensuring good occupational environment for mine workers, shall be implemented.
- (vi) The mining operations shall be restricted to above ground water table and it should not intersect groundwater table. In case of working below ground water table, prior approval of the Ministry of Environment, Forest and Climate Change and Central Ground Water Authority shall be obtained, for which a detailed hydro-geological study shall be carried out; The Report on six monthly basis on changes in Ground water level and quality shall be submitted to the Regional Office of the Ministry.
- (vii) The pollution due to transportation load on the environment will be effectively controlled & water sprinkling will also be done regularly. Vehicles with PUC only will be allowed to ply. The mineral transportation shall be carried out through covered trucks only and the vehicles carrying the mineral shall not be overloaded. Project should obtain 'PUC' certificate for all the vehicles from authorized pollution testing centres.
- (viii) There shall be planning, developing and implementing facility of rainwater harvesting measures on long term basis and implementation of conservation measures to augment ground water resources in the area in consultation with Central Ground Water Board.

- (ix) Use of effective sprinkler system to suppress fugitive dust on haul roads and other transport roads shall be ensured; and washing of all transport vehicles should be done inside the mining lease.
- (x) Advanced technologies for environmental protection shall be used for controlled blasting specially in the areas in the vicinity of the villages/habitations. Blasting operation shall be carried out only during the daytime. Controlled blasting shall be practiced. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented. Drills shall either be operated with dust extractors or equipped with water injection system. Secondary blasting for reducing the boulder size will be avoided by using rock breaker. All measures will be adopted to control fugitive dust emission during mining operation and to ensure no impact on nearby habitats. Green belt (15 m width) and plantation will be developed towards habitation, water bodies and all along the pit boundary.
- (xi) Project Proponent shall carry out vibration studies well before approaching any such habitats or other buildings, to evaluate the zone of influence and impact of blasting on the neighbourhood. Within 500 meters of such sites vulnerable to blasting vibrations, avoidance of use of explosives and adoption of alternative means of mineral extraction, such as ripper/dozer combination/rock breakers/ surface miners etc. should be seriously considered and practiced wherever practicable. A provision for monitoring of each blast should be made so that the impact of blasting on nearby habitation and dwelling units could be ascertained.
- (xii) Mining shall be carried out as per the provisions outlined in mining plan approved by Indian Bureau of Mines (IBM) as well as by abiding to the guidelines of Directorate General Mines Safety (DGMS).
- (xiii) Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers. Crusher and material transfer points should invariably be provided with Bag filters and or dry fogging system. Belt-conveyors should be fully covered to avoid air borne dust.
- (xiv) The Project Proponent shall ensure that the productivity of agricultural crops is not affected due to mining operations. Crop Liability Insurance Policy has to be taken by the Project Proponent as a precaution to compensate for any crop loss. The impact zone shall be 5km from the boundary of mine lease area for such insurance policy.
- (xv) The illumination and sound at night at project site, disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. Project Proponent must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.

- (xvi) Main haulage road in the mine should be provided with permanent water sprinklers and other roads should be regularly wetted with water tankers fitted with sprinklers.
- (xvii) CSR activities by Companies including the Mining Establishments has become mandatory up to 2% of their financial Turn-over, Socio Economic Development of the neighborhood Habitats could be planned and executed by the Project Proponent more systematically based on the 'Need based door to door survey' by established Social Institutes/Workers. The report shall be submitted to the Ministry of Environment, Forest and Climate Change and its Regional Office located at Chennai on six monthly basis.
- (xviii) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (xix) A Final Mine Closure Plan along with details of Corpus Fund shall be submitted to the Ministry of Environment, Forest and Climate Change 5 years in advance of final mine closure for approval.

B. General conditions

- (i) No change in mining technology and scope of working should be made without prior approval of the Ministry of Environment, Forest and Climate Change.
- (ii) No change in the calendar plan including excavation, quantum of granite and waste should be made.
- (iii) The Project Proponent shall obtain necessary prior permission of the competent authorities for drawl of requisite quantity of surface water and ground water for the project.
- (iv) Regular monitoring of ground water table to be carried out at the upstream and depth of water available in the dug well is to be measured. Monitoring to be done by establishing a network of existing wells and constructing new piezometers.
- (v) Monitoring of Ambient Air Quality to be carried out based on the 2009 Notification, as amended from time to time by the Central Pollution Control Board. Water sprinkling should be increased at places loading and unloading points & transfer point to reduce fugitive emissions.
- (vi) The upliftment of scheduled caste/scheduled tribe population, specific programmes have been taken in to consideration specially with respect to education, health care, livelihood generation, infrastructure development & promotion of sports & culture for SC/ST population and that these will be intensified in future.
- (vii) The top soil, if any, shall temporarily be stored at earmarked site(s) only and it should not be kept unutilized for long. The topsoil shall be used for

land reclamation and plantation. The over burden (OB) generated during the mining operations shall be stacked at earmarked dump site(s) only and it should not be kept active for a long period of time. The maximum height of the dumps shall not exceed 8m and width 20 m and overall slope of the dumps shall be maintained to 45°. The OB dumps should be scientifically vegetated with suitable native species to prevent erosion and surface run off. In critical areas, use of geo textiles shall be undertaken for stabilization of the dump. The entire excavated area shall be backfilled and afforested. Monitoring and management of rehabilitated areas should continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the Ministry of Environment, Forest & Climate Change and its Regional Office located at Chennai on six monthly basis.

- (viii) Catch drains and siltation ponds of appropriate size shall be constructed around the mine working, mineral and OB dumps to prevent run off of water and flow of sediments directly into the river and other water bodies. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. The drains, settling tanks and check dams of appropriate size, gradient and length shall be constructed both around the mine pit and over burden dumps to prevent run off of water and flow of sediments directly into the river and other water bodies and sump capacity should be designed keeping 50% safety margin over and above peak sudden rainfall (based on 50 years data) and maximum discharge in the area adjoining the mine site. Sump capacity should also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.
- (ix) Plantation shall be raised in a 7.5m wide green belt in the safety zone around the mining lease, backfilled and reclaimed area, around water body, along the roads etc. by planting the native species in consultation with the local DFO/Agriculture Department. The density of the trees should be around 2500 plants per ha. Greenbelt shall be developed all along the mine lease area in a phased manner and shall be completed within first five years.
- (x) Dimension of the retaining wall at the toe of over burden dumps and OB benches within the mine to check run-off and siltation shall be based on the rain fall data.
- (xi) Effective safeguard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM₁₀ and PM_{2.5} such as haul road, loading and unloading point and transfer points. It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- (xii) Regular monitoring of the flow rate of the springs and perennial nallahs flowing in and around the mine lease shall be carried out and records maintained. Regular monitoring of water quality upstream and downstream of water bodies shall be carried out and record of monitoring data should be maintained and submitted to the Ministry of Environment, Forest & Climate Change, its Regional Office, Chennai, Central Groundwater

Authority, Regional Director, Central Ground Water Board, State Pollution Control Board and Central Pollution Control Board.

- (xiii) Regular monitoring of ground water level and quality shall be carried out in and around the mine lease by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year – pre- monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data thus collected may be sent regularly to Ministry of Environment, Forest & Climate Change and its Regional Office, Chennai, Central Ground Water Authority and Regional Director, Central Ground Water Board.
- (xiv) The critical parameters such as PM₁₀ (size less than 10 micro meter), PM_{2.5} (size less than 2.5 micro meter), NO_x in the ambient air within the impact zone, peak particle velocity at 300m distance or within the nearest habitation, whichever is closer shall be monitored periodically. Further, quality of discharged water shall also be monitored [(TDS, DO, PH and Total Suspended Solids (TSS)]. The monitored data shall be uploaded on the website of the company as well as displayed on a display board at the project site at a suitable location near the main gate of the Company in public domain. The circular No. J-20012/1/2006-IA.II (M) dated 27.05.2009 issued by Ministry of Environment, Forest & Climate Change, which is available on the website of the Ministry www.envfor.nic.in shall also be referred in this regard for its compliance.
- (xv) Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for PM₁₀, PM_{2.5}, SO₂ & NO_x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board. Data on ambient air quality should be regularly submitted to the Ministry including its Regional office located at Chennai and the State Pollution Control Board / Central Pollution Control Board once in six months.
- (xvi) Fugitive dust emissions from all the sources should be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.
- (xvii) Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs / muffs.
- (xviii) Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December, 1993 or as amended from time to time. Oil and grease trap should be installed before discharge of workshop effluents.
- (xix) Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.

- (xx) 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.
- (xxi) A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- (xxii) 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 and its Regional Office located at Chennai.
- (xxiii) The project authorities should inform to the Regional Office located at Chennai regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.
- (xxiv) The Regional Office of this Ministry located at Chennai shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.
- (xxv) The Project Proponent shall submit six monthly reports on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest & Climate Change, its Regional Office, Chennai, Central Pollution Control Board and State Pollution Control Board.
- (xxvi) The project proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the Ministry of Environment, Forest and Climate Change, its Regional Office, Chennai, Central Pollution Control Board and State Pollution Control Board.
- (xxvii) A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation has been received while processing the proposal.
- (xxviii) State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's Office for 30 days.
- (xxix) The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment, Forest & Climate Change at <http://envfor.nic.in> and a copy of the same should be forwarded to the Regional Office of this Ministry located Chennai .


10. The Ministry or any other Competent Authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

11. Concealing factual data or submission of false/fabricated data and 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.

12. 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules made there under and also any other orders passed by the Hon'ble Supreme Court of India/ High Court of Madras and any other Court of Law relating to the subject matter.

13. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Yours faithfully,


(Dr. U. Sridharan)
Director (S)

Copy to:

- 1). **The Secretary**, Ministry of Mines, Government of India Shastri Bhawan, New Delhi.
- 2). **The Secretary**, Department of Environment, Government of Tamil Nadu, Chennai.
- 3). **The Secretary**, Department of Forests, Government of Tamil Nadu, Chennai
- 4). **The Secretary**, Department of Mines and Geology, Government of Tamil Nadu, Chennai
- 5). **The Additional Principal Chief Conservator of Forests**, Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 34
- 6). **The Chairman**, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai- 600 032, Tamil Nadu.
- 7). **The Chief Wildlife Warden**, Govt. of Tamil Nadu, Chennai.
- 8). **The Member Secretary**, Central Ground Water Authority, A2, W- 3 Curzon Road Barracks, K.G. Marg, New Delhi-110001.
- 9). **The Controller General**, Indian Bureau of Mines, Indira Bhavan, Civil Lines, Nagpur- 440 001.
- 10). **The District Collector, Thiruvallur** District, Government of Tamil Nadu.
- 11). **Guard File.**
- 12). **MoEF Website.**


(Dr. U. Sridharan)
Director (S)

