

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

**Minutes of 347<sup>TH</sup> meeting of the State Expert Appraisal Committee (SEAC) held on 13.01.2023 (Friday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects**

**Agenda No: 347-01**

**(File No: 6676 /2022)**

**Proposed Construction of Residential Building Complex at T.S. No. 9/20A, 9/20B, 10/5, 10/6, 10/7-1, 10/7-2, 10/7-3, 11/4, 11/5, 11/6, 11/7A, 11/7B, 11/8, 11/10, 11/11, 12/9, 12/11, 12/12, 12/14, 13/1, 13/2A, 13/3A, 13/4A1, 13/4B1, 13/4C1, 13/5A, 15/1B, 15/2A, 15/2B1, 15/4A, 15/4C, 15/5 and 16/1 of Block No.25 Ward C, Zamin Pallavaram and T.S.No..4/1, 4/3, 5/1, 5/2, 5/3, 5/4A1, 5/4A2, 5/4B, 5/5-2, 5/6, 5/7, 5/8, 5/9, 5/10-2, 6/1, 6/2, 6/3, 6/4/1, 6/11A1, & 6/12 of Block No. 19 Ward G, Nemilichery Village of Pallavaram Town, Pallavaram Taluk, Chengalpattu District, Tamil Nadu by M/s. Prestige Pallavaram Ventures - For Terms of Reference. (SIA/TN/MIS/80873/2022 dated 16.07.2022)**

The proposal was placed in 347<sup>th</sup> meeting of SEAC held on 13.01.2023. The details of the project are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent **M/s. Prestige Pallavaram Ventures** has applied for seeking Terms of Reference for the **Proposed Construction of Residential Building Complex at T.S. No. 9/20A, 9/20B, 10/5, 10/6, 10/7-1, 10/7-2, 10/7-3, 11/4, 11/5, 11/6, 11/7A, 11/7B, 11/8, 11/10, 11/11, 12/9, 12/11, 12/12, 12/14, 13/1, 13/2A, 13/3A, 13/4A1, 13/4B1, 13/4C1, 13/5A, 15/1B, 15/2A, 15/2B1, 15/4A, 15/4C, 15/5 and 16/1 of Block No.25 Ward C, Zamin Pallavaram and T.S.No..4/1, 4/3, 5/1, 5/2, 5/3, 5/4A1, 5/4A2, 5/4B, 5/5-2, 5/6, 5/7, 5/8, 5/9, 5/10-2, 6/1, 6/2, 6/3, 6/4/1, 6/11A1, & 6/12 of Block No. 19 Ward G, Nemilichery Village of Pallavaram Town, Pallavaram Taluk, Chengalpattu District, Tamilnadu.**
2. The proposed quarry/activity is covered under Category "B" of Item 8(b) "Area Development" of the Schedule to the EIA Notification, 2006.
3. Total land area – 86,643 sq.m and total built-up area – 4,14,575 Sq.m.


  
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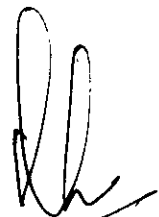
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Based on the presentation made by the proponent and the documents furnished, SEAC decided to **recommend the proposal for the grant of Terms of Reference (TOR)**, subject to the following TORs, in addition to the standard terms of reference for EIA study and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proposal should achieve minimum of IGBC Gold green building norms and shall obtain IGBC certificate.
2. At least 50% of the roof area shall be covered with Solar panels and utilization of the solar energy should not be less than 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc. The proposal for utilization of at least 10% of Solar Energy shall be included in the EIA/EMP report.
3. The proponent shall furnish the design details of the STP treatment system.
4. The STP should be installed and maintained on BOT basis. It should be under the supervision and maintenance of the vendor for at least 10 years.
5. All the conditions imposed by the Public Works Department for flood inundation should be implemented.
6. The PP shall explore construction of pond of appropriate size in the earmarked OSR land in consultation with the local body. The pond should be modelled like a temple tank with parapet walls, steps, etc. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a structure which was crucial to the overall eco-system.
7. As per G.O. Ms. No. 142 approval from Central Ground Water Authority shall be obtained for withdrawal of water and furnish the copy of the same, if applicable.
8. Commitment letter from competent authority for supply of water shall be furnished.
9. Copy of the village map, FMB sketch and "A" register shall be furnished.

  
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10. Detailed Evacuation plan during emergency/natural disaster/untoward accidents shall be submitted.
11. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
12. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
13. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 and shall be furnished.
14. Details of the rain water harvesting system with cost estimation should be furnished.
15. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the water bodies around the proposed project site & the surrounding development. The storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.
16. The layout plan shall be furnished for the greenbelt area earmarked with GPS coordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 20% of the total land area of the project.
17. The proponent shall furnish the specific plan for the plantation.
18. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.
19. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.

  
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20. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the ground water, emission, noise and traffic.

21. As per the MoEF&CC Office Memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP.

**Agenda No: 347- 02**

**(File No: 9644/2022)**

**Proposed Rough stone and Gravel quarry lease over an extent of 1.25.0 Ha in S.F.No. 531/1A2 (Part) of Ponmanai A Village, Thiruvattar Taluk, Kanniyakumari District, Tamil Nadu by Thiru. V.S.Raju- For Terms of Reference. (SIA/TN/MIN/410014/2022 Dt: 09.12.2022)**

The proposal was placed in this 347<sup>th</sup> meeting of SEAC held on 13.01.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, Thiru. V.S.Raju has applied seeking Terms of Reference for EIA study for the Proposed Rough stone and Gravel quarry lease over an extent of 1.25.0 Ha in S.F.No. 531/1A2 (Part) of Ponmanai A Village, Thiruvattar Taluk, Kanniyakumari District Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. The total production for the first 5 years not to exceed 5,37,655m<sup>3</sup> of Rough stone and 39,418m<sup>3</sup> of Gravel and the proposed depth is 66m (36m AGL + 30m BGL) in the first 5 years. The ultimate depth is 76m (1m Gravel + 70m Rough stone) (36m AGL + 40m BGL).
4. The SEAC observed that
  - The habitations are situated at a distance of 1.5 km from the lease
  - KKWLS is located at a distance of 3.79 km from the lease boundary.
  - An existing quarry is operating in adjacent to the proposed quarry lease.
  - HACA Clearance has been obtained for the proposed quarry.

  
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Based on the presentation made by the proponent, SEAC decided that a sub-committee will be formed to carry out on the spot -inspection of the project site to assess the anticipated impacts of mining activity on the surrounding environmental settings and to submit report. Further the SEAC directed the PP to furnish the copy of necessary approvals (mandatory documents) detailing the new Survey number of the mine lease area.

On receipt of the same, SEAC would further deliberate on this project.

**Agenda No: 347-03**

**(File No: 9647/2022)**

**Proposed Black granite quarry lease over an extent of 8.46.0 Ha in SF.No. 315, 316 and 317/1 of Sathanur Village, Thandaramapattu Taluk, Thiruvannamalai District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - For Terms of Reference.**

**(SIA/TN/MIN/409663/2022, Dated : 08.12.2022).**

The proposal was placed in 347<sup>th</sup> SEAC meeting held on 13.01.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

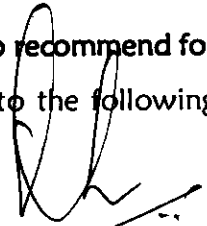
**The SEAC noted the following:**

1. The Project Proponent, M/s. Tamil Nadu Minerals Limited has applied for Terms of Reference for the proposed Black granite quarry lease over an extent of 8.46.0 Ha in S.F.Nos. 315, 316 and 317/1 of Sathanur Village, Thandaramapattu Taluk, Thiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & The production should not exceed 2,17,105m<sup>3</sup> (ROM) of Black Granite, 21,711 m<sup>3</sup> of Recovery @ 10% & 1,95,394m<sup>3</sup> of Granite Waste @ 90% With an ultimate depth of mining is 31 m BGL . The annual peak production is 44044 m<sup>3</sup> (ROM) of Black Granite (1<sup>st</sup> year) & 4404 m<sup>3</sup> of Recovery @ 10% (1<sup>st</sup> year) & 39,640 m<sup>3</sup> of Granite Waste (1<sup>st</sup> year)@ 90%.

Based on the presentation made by the proponent, SEAC decided to recommend for grant of Terms of Reference (TOR) with Public Hearing, subject to the following

  
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TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.
2. The proponent shall discuss the funds for mitigation measures to be included in the EMP.
3. The proponent shall adhere to the bench height - 5m as stated in the approved mining plan.
4. The proponent shall submit an affidavit on participation in the Anna University Star rating system.
5. The PP shall study the implications of Reserve forest in mining area.
6. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Necessary data and documentation in this regard may be provided.
7. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
8. In the case of proposed lease in an existing (or old) quarry where the benches are non-existent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
9. Details of Green belt & fencing shall be included in the EIA Report.
10. The EIA Coordinators shall obtain and furnish the details of quarry/quarries

operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.

- If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - Quantity of minerals mined out.
  - Highest production achieved in any one year
  - Detail of approved depth of mining.
  - Actual depth of the mining achieved earlier.
  - Name of the person already mined in that leases area.
  - If EC and CTO already obtained, the copy of the same shall be submitted.
  - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
11. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
12. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
13. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
14. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.

  
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15. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
16. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
17. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
18. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
19. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
20. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
21. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
22. Description of water conservation measures proposed to be adopted in the

- Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
23. Impact on local transport infrastructure due to the Project should be indicated.
24. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
25. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
26. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
27. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
28. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
29. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
30. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-lin consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
31. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The

  
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proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.

- 32.A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
- 33.A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
- 34.Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 35.Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 36.The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 37.Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 38.Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
- 39.If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the

concerned DEE/TNPCB.

40. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.

41. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 347 – 04.**

**File No.9648/2022**


**Proposed Black granite quarry over an extent of 20.95.5 Ha at S.F.Nos. 1193/1 (Part 5 & 16), Kodakkal Village, Sholinghur Taluk, Ranipet District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited– Terms of Reference. (SIA/TN/MIN/409460/2022, dt:7.12.2022).**

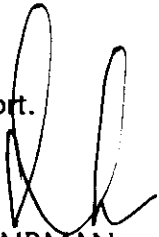
The proposal was placed in the 347<sup>th</sup> SEAC Meeting held on 13.1.2022. The details of the minutes are available in the website (Parivesh.nic.in).

1. The project proponent, M/s. Tamil Nadu Minerals Limited has applied for **Terms of Reference** for the proposed Black Granite quarry lease over an extent of 20.95.5 Ha at S.F.Nos. 1193/1 (Part 5 & 16), Kodakkal Village, Sholinghur Taluk, Ranipet District, Tamil Nadu.
2. The project/activity is covered under category “B1” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. The Total quantity of RoM does not exceed with 110265 M<sup>3</sup> and 10% of recovery – 11027 m<sup>3</sup>. The annual peak production 24,064m<sup>3</sup>(1<sup>st</sup> year) with an ultimate depth of 40m from AGL.

Based on the presentation and details furnished by the project proponent, **SEAC decided to grant Terms of Reference (TOR) with Public Hearing** subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:


1. The study on flora & fauna shall be included in the EIA Report.
2. A detailed ground water study shall be included in the EIA Report.

  
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3. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc.
4. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
5. The proponent shall also furnish details/photographs of the garland drains provided.
6. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
7. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
8. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
9. The PP shall present a conceptual design for carrying out only controlled blasting operation in the proposed quarry such that the blast-induced ground vibrations are mitigated in an environmentally acceptable manner.
10. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,

- a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b. Quantity of minerals mined out.
  - c. Highest production achieved in any one year
  - d. Detail of approved depth of mining.
  - e. Actual depth of the mining achieved earlier.
  - f. Name of the person already mined in that leases area.
  - g. If EC and CTO already obtained, the copy of the same shall be submitted.
  - h. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
12. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
13. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
14. The PP shall furnish the revised manpower including the statutory & competent persons as required under the provisions of the MMR 1961 for the proposed quarry based on the volume of rock handled & area of excavation.
15. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
16. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
17. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping

  
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& open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.

18. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
19. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
20. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
21. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
22. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
23. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.

24. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
25. Impact on local transport infrastructure due to the Project should be indicated.
26. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
27. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
28. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
29. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
30. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **appendix-I** in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
33. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest

  
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authorities/botanist/Horticulturist with regard to site-specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

- 34.A Disaster Management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
- 35.A Risk Assessment and Management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
- 36.Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
- 37.Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
- 38.The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
- 39.Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
- 40.Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
41. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs

which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.

42. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.

43. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No. 347 - 05**

**(File No. 9650/2022)**


**Proposed Rough Stone and Gravel quarry over an extent of 4.54.0 Ha in S.F.No. 80/2, 80/7, 80/8, 80/9, 80/10, 80/11, 80/12, 80/13, 80/14, 80/15, 80/16, 80/23, 206/36 & 207/6 in Melur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Thiru. T. Tamilselvan - for Terms of Reference. (SIA/TN/MIN/408994/2022 dated 03.12.2022)**

The proposal was placed in this 347<sup>th</sup> Meeting of SEAC held on 13.01.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent Thiru. T. Tamilselvan has applied for Terms of Reference for the proposed Rough Stone and Gravel quarry over an extent of 4.54.0 Ha in S.F.No. 80/2, 80/7, 80/8, 80/9, 80/10, 80/11, 80/12, 80/13, 80/14, 80/15, 80/16, 80/23, 206/36 & 207/6 in Melur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 10 years. The mining plan is for the period of five years & the production should not exceed 406930 m<sup>3</sup> of Rough Stone and 63168 m<sup>3</sup> of gravel with an ultimate depth of mining 17.0m below ground level (2.0m Gravel & 15m Rough Stone). The annual peak production 81750 m<sup>3</sup> of Rough Stone (4<sup>th</sup> year) and 33684 m<sup>3</sup> of gravel (1<sup>st</sup> year).

  
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4. The SVS International college of Architecture is located at a distance of 164m from the proposed mining lease area. The PP has informed that it is not currently in use and obtained NoC from Department of Rural Development and Panchayat for the same.

Based on the presentation made by the proponent, **SEAC decided to recommend grant of Terms of Reference (TOR) with Public Hearing subject to the following additional TORs**, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
2. The PP shall excavate a trial pit to indicate the structural lithology of the formation from the ground level and to furnish the quantity of gravel & top soil available for excavation with test report obtained from the any of the reputed academic / research institutions involving Dept of Geology, Anna University, Division of Soil Mechanics – Anna University, Dept of Applied Geology-University of Madras, NIT Trichy, and IIT Madras.
3. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
4. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
5. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
6. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying

out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.

7. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
8. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
9. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
10. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b. Quantity of minerals mined out.
  - c. Highest production achieved in any one year
  - d. Detail of approved depth of mining.
  - e. Actual depth of the mining achieved earlier.
  - f. Name of the person already mined in that leases area.
  - g. If EC and CTO already obtained, the copy of the same shall be submitted.
  - h. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
11. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features

  
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of the study area (core and buffer zone).

12. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
13. The PP shall furnish the revised manpower including the statutory & competent persons as required under the provisions of the MMR 1961 for the proposed quarry based on the volume of rock handled & area of excavation.
14. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
15. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
16. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
17. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
18. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
19. The Proponent shall carry out the Cumulative impact study due to mining

  
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operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.

20. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
21. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
22. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
23. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
24. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
25. Impact on local transport infrastructure due to the Project should be indicated.
26. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
27. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
28. Public Hearing points raised and commitments of the Project Proponent on the

  
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same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.

29. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.

30. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.

31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.

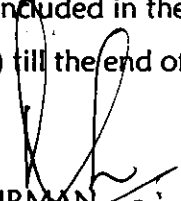
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **appendix-I** in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

33. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site-specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

34. A Disaster Management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.

35. A Risk Assessment and Management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of

  
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the lease period.

36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
37. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
38. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
40. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
41. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
42. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
43. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

  
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**Agenda No: 347 - 06**

**File No: 9652/2022**

**Proposed Rough stone & gravel over an extent of 3.21.5 Ha at S.F.Nos. 220/1A, 1C & 223/2F Ichipatti Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru. S.A. Ramachandran - For Terms of Reference (SIA/TN/MIN/410467/2022, dated: 15.12.2022)**

The proposal was placed in 347<sup>th</sup> SEAC meeting held on 13.01.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent Thiru. S.A. Ramachandran has applied for Terms of Reference for the Proposed Rough stone & gravel over an extent of 3.21.5 Ha at S.F.Nos. 220/1A, 1C & 223/2F Ichipatti Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent, SEAC decided to call for the following additional details.

1. The proponent shall submit Certified Compliance Report.
2. The proponent shall submit Slope Stability Action Plan for the existing quarry.
3. The proponent shall complete the Fencing activities and carry out the Green Belt development activities around the boundary of the lease and shall submit Photo and video of the same.


On receipt of the aforesaid details, the proposal will be considered for further deliberations.

**Agenda No: 347-07**

**(File No: 9653/2022)**

**Proposed Rough Stone and gravel quarry lease over an extent 2.27.5 Ha at S.F.No.104/1, 104/2A (Part), 104/2B1 (Part), 105/1A (Part) & 105/2 of Kuppam Village, Pugalur Taluk, Karur district, Tamil Nadu by Thiru.P.Devaraj - For Terms of Reference. (SIA/TN/MIN/407980/2022 dated 12.12.2022)**

  
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The proposal was placed in this 347<sup>th</sup> meeting of SEAC held on 13.01.2023. The details of the project are available in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, **Thiru.P.Devaraj** has applied for Terms of Reference for the proposed Rough stone & gravel quarry lease over an extent of **2.27.5 Ha at S.F.No.104/1, 104/2A (Part), 104/2B1 (Part), 105/1A (Part) & 105/2** of **Kuppam Village, Pugalur Taluk, Karur district, Tamil Nadu.**
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. Earlier, EC was accorded to the proponent vide Lr.no.SEIAA-TN/F.No.944/EC/1(a)/252/2013 dated.23.04.2013 for the quantity of 76975 cu.m of rough stone and 19880 cu.m of gravel.
4. Now the proponent has submitted an application for Terms of Reference for a quantity of 1,06,213 cu.m of rough stone and 8136 cu.m of gravel.

Based on the presentation and details furnished by the project proponent, the Committee decided to obtain the following details from the project proponent to consider the proposal for appraisal:

1. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
2. The proponent shall also furnish details/photographs of the garland drains provided.


Hence, after detailed discussions and deliberations, the committee decided to consider the proposal after the submission of aforesaid details by the Proponent/consultant.

**Agenda No: 347-08**

**(File No: 9654/2022)**

**Proposed Multi-colour Granite quarry lease over an extent of 2.65.0 Ha in SF. No. 417/2, 454/2, 417/5, 417/7(P) of K.Pitchampatti Village, Karur Taluk, Karur District, Tamil Nadu by M/s. Dahlia Granites Private Limited - For Terms of Reference. (SIA/TN/MIN/410301/2022, Dated : 12.12.2022)**

  
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The proposal was placed in 347<sup>th</sup> SEAC meeting held on 13.01.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

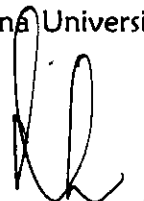
**The SEAC noted the following:**

1. The Project Proponent, M/s. Dahlia Granites Private Limited has applied for Terms of Reference for the proposed Multi-colour Granite quarry lease over an extent of 2.65.0 Ha in S.F.Nos. 417/2, 417/5, 417/7 (P) & 454/2 of K.Pitchampatti Village, Karur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 20 years. The mining plan is for the period of five years & The production should not exceed 32365 m<sup>3</sup> (ROM) of Multi-colour Granite , 13819 m<sup>3</sup> of Multi-Colour Granite@ 60% Recovery , 9213 m<sup>3</sup> of Granite Waste @ 40% , 3111 m<sup>3</sup> of weathered Rock & 6222 m<sup>3</sup> of Topsoil With an ultimate depth of mining is 15 m BGL . The annual peak production is 8070 m<sup>3</sup> (ROM) of Multi-colour Granite (1<sup>st</sup> Year), 2822 m<sup>3</sup> of Multi-Colour Granite (1<sup>st</sup> Year)@ 60% Recovery , 1882 m<sup>3</sup> of Granite Waste (1<sup>st</sup> Year) @ 40% , 1122 m<sup>3</sup> of weathered Rock (1<sup>st</sup> Year)& 2244 m<sup>3</sup> of Topsoil (1<sup>st</sup> year).

Based on the presentation made by the proponent, **SEAC decided to recommend for grant of Terms of Reference (TOR) with Public Hearing**, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.
2. The proponent shall discuss the funds for mitigation measures to be included in the EMP.
3. The proponent shall adhere to the bench height - 5m as stated in the approved mining plan.
4. The proponent shall submit an affidavit on participation in the Anna University Star rating system.

  
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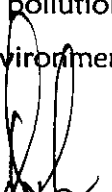
5. The PP shall frame Environmental policy and shall appoint Environmental Manger etc.,
6. The PP shall furnish ownership details of all survey numbers in EIA report.
7. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Necessary data and documentation in this regard may be provided.
8. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
9. In the case of proposed lease in an existing (or old) quarry where the benches are non-existent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
10. Details of Green belt & fencing shall be included in the EIA Report.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - Quantity of minerals mined out.
  - Highest production achieved in any one year
  - Detail of approved depth of mining.
  - Actual depth of the mining achieved earlier.

  
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- Name of the person already mined in that leases area.
  - If EC and CTO already obtained, the copy of the same shall be submitted.
  - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
13. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
  14. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
  15. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
  16. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
  17. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
  18. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
  19. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment

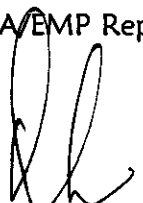
  
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Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.

20. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
21. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
22. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
23. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
24. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
25. Impact on local transport infrastructure due to the Project should be indicated.
26. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
27. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
28. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report


  
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of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.

29. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
30. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-lin consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
33. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
34. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
35. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated

  
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in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

37. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
38. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
39. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
40. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
41. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
42. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
43. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

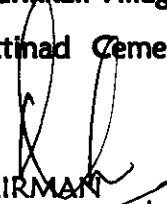
**Agenda No: 347-09**

**(File No: 9661/2022)**

**Existing Limestone mine lease over an extent of 138.78.5 Ha in, S. F. Nos. 5/1, 7/7, 7/8, 7/9, 7/10 etc., Patta & Poramboke lands of Dholipatti, Palayam & Karikkali Village, Guziliamparai Taluk, Dindigul District, Tamil Nadu by M/s. Chettinad Cement**

  
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**Corporation Private Limited - For Terms of Reference. (SIA/TN/MIN/409794/2022, Dated: 12.12.2022)**

The proposal was placed in 347<sup>th</sup> SEAC meeting held on 13.01.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, M/s. Chettinad Cement Corporation Private Limited has applied for Terms of Reference for the existing Limestone mine lease over an extent of 138.78.5 Ha in S. F. No. 5/1, 7/7, 7/8, 7/9, 7/10 etc., of Dholipatti, Palayam & Karikkali Village, Guziliamparai Taluk, Dindigul District, Tamil Nadu.
2. Application for EC validation was submitted to MoEF & CC as per MoEF & CC Notification dated 06.04.2018 on 07.10.2018.
3. Technical presentation (for ToR) was considered in 31st EAC Meeting dated 11.06.2021.
4. As per 31st EAC MoM uploaded on Portal, as The Committee observed that the proposal attracted violation in terms of Hon'ble Supreme Court's order dated 2nd August 2017 in Writ Petition (civil) No. 114 of 2014 in the matter of Common Cause versus Union of India & Ors. The proposal cannot be considered under the provision of Notification S.O. 1530 (E) dated 6th April 2018 since PP did not apply within the time frame provided, the Committee returned the proposal and PP was required to apply afresh for obtaining ToR.
5. Fresh Application (for ToR) submitted to MoEF & CC as per 31st EAC MoM dated 31.07.2021.
6. Technical presentation (for ToR) was considered in 35th EAC Meeting dated 17.08.2021.
7. As per 35th EAC MoM uploaded on portal, *"During the 35th EAC (Non Coal Mining) meeting held during 16th to 19th August, 2021, after detailed deliberations made by the Project Proponent and the Consultant, the Committee noted that the proposal was considered in the 31st EAC meeting held during 9th to 15th June 2021 wherein it was noticed that the proposal cannot be considered under the provision of Notification S.O. 1530 (E) dated 6th April 2018 since PP did not apply within the time frame provided (i.e., before 5th October 2018).*

*Again PP had applied under the provision of Notification S.O. 1530 (E) dated 6<sup>th</sup> April 2018. Therefore, the project proponent had been advised to wait for the decision on the policy matter from the Ministry. The Ministry may seek opinion from the competent authority. Hence, the Committee returned the proposal in present form" on 26.08.2021..*

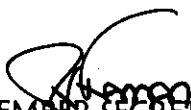
8. Clarification received from IA Policy, MoEF& CC through email of Member, Secretary (Non Coal Mining), MoEFCC *"In this context, it is submitted that the Notification S.O.(E) 1530 dated 06.04.2018 provided a six month window [i.e from 6th April 2018 to 5th October 2018] for mining project which were granted EC under EIA Notification 1994 to apply for fresh EC under the provisions of the EIA Notification 2006. As on date the Ministry has not extended the window period. In this regard, it is submitted that the non-coal mining sector may consider guiding the concerned EAC to follow the provisions of the Notification dated 06.04.2018".*
9. As per the MOEFCC Notification S.O No 1886 (E), dated 20.04.2022 the proposal is submitted to be considered at SEIAA for appraisal of EC.
10. Fresh Proposal for ToR (re-validation of EC) was submitted to SEIAA, Tamil Nadu on 12.12.2022.

The PP was asked to respond to the decision of EAC extracted above and the details of OMs based on which the PP is seeking examination of their proposal. PP requested time to discuss with their legal team. Hence SEAC decided to defer the proposal. Further SEAC also noted that the PP has not included the survey numbers in online application and in PPT and hence the PP is requested to include all the survey numbers in the application and in the PPT and the PP shall furnish ownership details of all survey numbers.

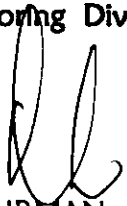
**Agenda No: 347 - 10**

**(File No: 9666/2022)**

**Proposed sand quarry lease over an extent of 14.00.0 Ha at S.F.No. 146/10 (Part) of Alagiyamanavalan Village, Ariyalur Taluk, Ariyalur District - Tamil Nadu by M/s. The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirapalli for Terms of Reference**

  
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**(SIA/TN/MIN/409607/2022, Dt. 07.12.2022)**

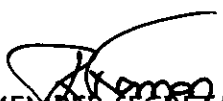
The proposal was placed in 347<sup>th</sup> SEAC meeting held on 13.01.2023. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).


SEAC noted the following:

1. The project proponent M/s, The Executive Engineer, Water Resources Department, Mining and Monitoring Division, Tiruchirapalli has applied for Terms of Reference for the proposed sand quarry over an extent of 24.00 Ha at S.F. No. 14.00.0 Ha at S.F.No. 146/10 (Part) of Alagiyamanavalan Village, Ariyalur Taluk, Ariyalur District - Tamil Nadu.
2. The project/activity is covered under "B1" category of Item 1 (a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 2 years. The mining plan is for the period of two years & the production should not exceed 4,20,000 Cu.m of Sand. The proposed depth of mining is 3m (2m above bed level + 1m below bed level).

Based on the presentation made by the proponent SEAC recommended to grant of Terms of Reference (TOR) with Public Hearing subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The Project Proponent shall study and report in details of the "Replenishment Study" as per Sustainable Sand Mining Management Guidelines, 2016 and Enforcement & Monitoring Guidelines for Sand Mining 2020.
2. The PP shall carry out the study on drinking water scheme in 5 Km, either side of the bank of the River and the same shall be included in the EIA Report.
3. The details of the location to cover land use and ecologically sensitive areas.
  - a. Details of the open wells, bore wells, and other surface water bodies including the details of ground water levels , Quantity in the 500m radius from the boundary of the Mine lease Area .
  - b. Impacts of this mining activity in the above said water bodies in the 500m radius from the boundary of the Mine lease Area .

  
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- c. Thickness of Sand and its variation covering the entire area; similarly the width of the sand bed, quantification of the shoal formation in that area
  - d. Agricultural land if any, surrounding the quarry site.
  - e. Details of the longitudinal and cross section of the river bed in the proposed mining area.
  - f. Detail of earlier of mining carried out in the 500m radius of the mine lease area including the location, quantity of sand mined out, depth of the mining , etc., shall be furnished.
4. Reclamation of the sand area after mining needs to be submitted.
  5. Adequate plan for traffic management as per the Guidelines for Sustainable Sand Mining issued in 2016 by the MoEF & CC, GOI, New Delhi for the loaded vehicles passing through nearby habitation.
  6. The PWD has to furnish the details regarding agricultural activities that are taking place around the project area.
  7. Details of the structures available within 1km from the mine lease area boundary (both upstream and downstream and also Study the Impact of sand mining on the structures located in the said area.
  8. The route map for the Lorries for accessing the project area and for transporting mined sand should be specified.
  9. Suitable working methodology to prevent dust pollution needs to be prepared taking wind direction into consideration.
  10. The mining area must be demarcated leaving at least 50m from the river embankment on either side.
  11. Wherever irrigation channels take off from the river within the boundary of the mining project, the mining operation should not affect the flow of water in the irrigation channels. In such a way a plan of action should be submitted.
  12. EMP should contain break up details such as tools, labor and environmental monitoring cost, cost for the ground water monitoring in the surrounding area shall be part of the EMP cost, variation of depth of ground water and quality shall be monitored during the project period by conducting survey once in 3 months. This cost shall also be included in EMP.

  
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13. Since there are many proposals for sand mining under the River Coleroon. It is necessary to model the overall impact on sand mining on regional ground water.
14. The proposal for CER shall be furnished with time frame as per the office memorandum of MoEF&CC dated 01.05.2018.

- i. The Following details also included in the EIA Report.  
Quantity estimated to be mined through machineries & manual mining with extent.
- ii. Certificate from the VAO stating the details of habitation located within 300 m radius from the boundary of the proposed site along with FMB sketch.
- iii. The project proponent has to furnish the affidavit stating that there are no bridges, culverts, cross masonaries, water head works or any other civil structures within 500 mts., of the proposed quarry site.
- iv. The RL Upstream, RL Downstream, RL Starting, RL Ending, Chainage Starting KM, Ending KM details shall be furnished.
- v. Geological sections Map should be furnished.
- vi. 500m, 1KM & 5KM radius of clear Google Map showing all the features like agricultural activities, habitations, etc.

**Agenda No: 347-11**


**(File No: 9668/2022)**


**Proposed Rough stone & Gravel quarry lease over an extent of 8.00.05 Ha in SF.Nos. 2/1B, 2/2, 2/3 (P), 2/5, 3, 4/1 & 4/2 of Enthoor Village, Marakkanam Taluk, Viluppuram District, Tamil Nadu by Tvl. Thirupathi Blue Metal & M.Sand - For Terms of Reference. (SIA/TN/MIN/411373/2022,Dt: 20.12.2022)**

The proposal was placed in 347<sup>th</sup> SEAC meeting held on 13.01.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The Project Proponent, Tvl. Thirupathi Blue Metal & M.Sand has applied for Terms of Reference for the proposed Rough stone & Gravel quarry lease over an extent of 8.00.05 Ha in S. F. Nos 2/1B, 2/2, 2/3 (P), 2/5, 3, 4/1 & 4/2 of Enthoor Village, Marakkanam Taluk, Viluppuram District, Tamil Nadu.


  
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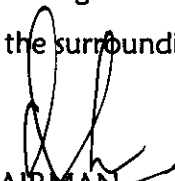
  
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2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 12,07,108 m<sup>3</sup> of rough stone & 1,40,744 m<sup>3</sup> of Gravel with an ultimate depth of mining is 55m BGL (2m Gravel + 53m Rough Stone). The annual peak production is 2,41,984 m<sup>3</sup> of Rough Stone (1<sup>st</sup> year) & 94,008 m<sup>3</sup> of Gravel (3<sup>rd</sup> year).

Based on the presentation made by the proponent, **SEAC decided to recommend for grant of Terms of Reference (TOR) with Public Hearing**, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.
2. The proponent shall discuss the funds for mitigation measures to be included in the EMP.
3. The proponent shall adhere to the bench height - 5m as stated in the approved mining plan.
4. The proponent shall obtain Anna University Star rating system.
5. There is a water body of about 260m, hence the PP shall study about effect of mining nearby the water body in the EIA report.
6. The PP shall furnish justification for mining up to a depth of 55m in the EIA Report.
7. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Necessary data and documentation in this regard may be provided.
8. The proponent shall submit the details regarding the controlled blasting activities to be carried out in the proposed quarry indicating the impacts on the surrounding

  
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environmental settings includes the structures.


9. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
10. In the case of proposed lease in an existing (or old) quarry where the benches are non-existent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
11. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
12. **Since the quarry lies in a cluster situation, the PP shall furnish a Standard Operating Procedure for carrying out the safe blasting operation while considering the adjacent quarries lies in a radial distance of 500 m from their quarry.**
13. Details of Green belt & fencing shall be included in the EIA Report.
14. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
15. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - Quantity of minerals mined out.
  - Highest production achieved in any one year
  - Detail of approved depth of mining.
  - Actual depth of the mining achieved earlier.
  - Name of the person already mined in that leases area.
  - If EC and CTO already obtained, the copy of the same shall be submitted.


- Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
16. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
  17. The PP shall carry out Drone video survey covering the cluster, Green belt , fencing etc.,
  18. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
  19. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
  20. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
  21. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
  22. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.

  
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23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
25. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. Impact on local transport infrastructure due to the Project should be indicated.
29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
31. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.

  
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32. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.
33. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
34. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
35. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
36. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
37. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
38. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
39. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.

  
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40. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
41. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
42. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
43. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
44. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
45. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
46. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

**Agenda No: 347-12**

**(File No: 371/2018)**

**Recommendations for releasing the Bank guarantee for the value of Rs 114.62 Lacs (0.5% of the Project cost ) remitted towards Ecological remediation, Natural resources Augmentation and Community resources Augmentation under EIA Notifications dated 14.3.2017 & 08.03.2018 (violation category) for the Construction of additional buildings for Engineering College, Hostel and Bank in its existing campus by M/s. KGISL**


  
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Trust at S.F. Nos. 353/1, 2, 354/1, 356/3A, 357/1D pt, 358/2A, 2C, 2D, 359/1A, 1B, 360/1C, 1Dpt, 361/3A, 362/1Bpt, 1C, 2A, 2B, 363/1B, 2, 3, 365/1A, 2, 366/1A, 1A1A2, 366/1A2, 1B & 372/2, of Saravanampatti Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu without obtaining prior Environmental Clearance

The subject was earlier placed for appraisal in 328<sup>th</sup> meeting of SEAC held on 11.11.2022. The details of the project furnished by the proponent are given on the website (parivesh.nic.in). During the meeting the Project Proponent was found to be absent and hence the SEAC decided to defer the proposal. Now, the subject was taken up for discussion in this 347<sup>th</sup> meeting of SEAC held on 13.01.2022. The SEAC noted the following:

1. The Project Proponent M/s. KGISL Trust applied seeking Environmental Clearance for the construction of additional Buildings for Engineering College, Hostel & Bank Building (Commercial Building) in the existing campus with a total built up area of 108209.92 Sq.m which includes existing building under Education facility, Medical Transcription and Software Park at S.F.No. 353/1, 2, 354/1, 356/3A, 357/1D pt, 358/2A, 2C, 2D, 359/1A, 1B, 360/1C, 1Dpt, 361/3A, 362/1Bpt, 1C, 2A, 2B, 363/1B, 2, 3, 365/1A, 2, 366/1A, 1A1A2, 366/1A2, 1B & 372/2, Saravanampatti Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu on 22.07.2010. The proponent has already obtained EC for the existing buildings for construction of Educational facility, Medical Transcription and software park in 2008.
2. Terms of Reference under violation category was issued to M/s.KGISL Trust on 07.08.2018. Based on the ToR issued by the SEIAA-TN, the Proponent, M/s. KGISL Trust has applied for EC to SEIAA-TN on 23.01.2019 along with EIA report for the Proposed construction of additional engineering college, hostel and bank building with a total built up area of 1,09,103.54 Sq. m at S.F. No. 353/1, 2, 354/1, 356/3A, 357/1Dpt, 358/2A, 2C, 2D, 359/1A, 1B, 360/1C, 1Dpt, 361/3A, 362/1Bpt, 1C, 2A, 2B, 363/1B, 2, 3, 365/1A, 2, 366/1A, 1A1A2, 366/1A2, 1B & 372/2, Saravanampatti Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu. The project/ activity is covered under

  
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Category "B" of Item 8(b) "Township and area development projects" of the Schedule to the EIA Notification, 2006, as amended.

3. The proposal was placed in the 129<sup>th</sup> meeting of SEAC held on 18.05.2019. The project proponent gave detailed presentation. The proponent made a presentation about the project proposal. The Committee noted that the project proposal is to be appraised under violation category as per MoEF& CC notification S.O. 1030 (E) dated: 08.03.2018. Since the project has been considered under violation category, the Committee felt that it is necessary to carry out on- the-spot assessment of the status of the project execution and Terms of Reference compliance for deciding the further course of action.
4. A Sub-Committee team comprising of the SEAC Members was constituted by SEAC to inspect and study the field conditions for the Proposal seeking Environmental Clearance under violation category for the construction of additional Buildings for Engineering College, Hostel & Bank Building (Commercial Building) in the existing campus which includes existing building under Education facility, Medical Transcription and Software Park by M/s. KGISL Technologies & Infrastructure Pvt. Ltd at S.F.No. 353/1, 2, 354/1, 356/3A, 357/1D pt, 358/2A, 2C, 2 D, 359/1A, 1B, 360/1C, 1D pt, 361/3A, 362/1B pt, 1C, 2A, 2B, 363/1B, 2, 3, 365/1A, 2, 366/1A, 1A1A2, 366/1A2, 1B & 372/2, Saravanampatti Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu.
5. The Sub-Committee inspected the site on 20.10.2019. During the inspection, the committee observed the following:
  - a. Stage of construction:

The proponent informed that construction of existing and expansion of all facilities (consisting of bank building, Engineering College and Hostel) were completed in full shape and the project is under operation.
  - b. Water Supply:

The proponent total water requirement of is 377KLD. Due to recycling of treated sewage of entire flushing requirement the fresh water requirement reduced to 280KLD.

c. Sewage Generation, Treatment and Disposal:

- (i) The total sewage generation of 258KLD is treated through the STP provided with capacity of 300KLD and during inspection it was noticed that the STP was under operation. The proponent informed that the treated sewage is utilized for gardening (4.2 Ha is allocated for green belt (147 KLD treated sewage can be utilized for green belt with area of 4.2 Ha.)
- (ii) The technical team observed that there is 67 KLD of excess treated sewage remaining to be managed. The proponent informed that the excess treated sewage is being utilized for avenue plantation on the road sides.

d. Greenbelt:

- (i) The proponent has earmarked the green belt area as 42,651.2 sq.m (28%) and the same was earmarked with dimension and DGPS coordinates as green belt area in the plan layout.
- (ii) The sub-committee observes that the proponent has developed greenbelt all along the periphery of the campus and space between the constructed buildings.

e. Solid Waste Management:

- (i) The proponent has installed OWC to treat and dispose the biodegradable organic waste generated from the campus.
- (ii) The subcommittee directed the proponent to continuously implement ban the "use and throw away plastic" in their campus as per Tamil Nadu Government G.O.(Ms)No.84.Dated:25.06.2018.

(v). DG Sets:

- (i) The proponent has installed DG sets of 1500KVA-3 Nos and 500KVA-one number. The heights of common stack provided to 3 D.G sets with a capacity of 1500 KVA and individual stack provided for 500KVA are adequate in height. The proponent informed that diesel is stored in the

  
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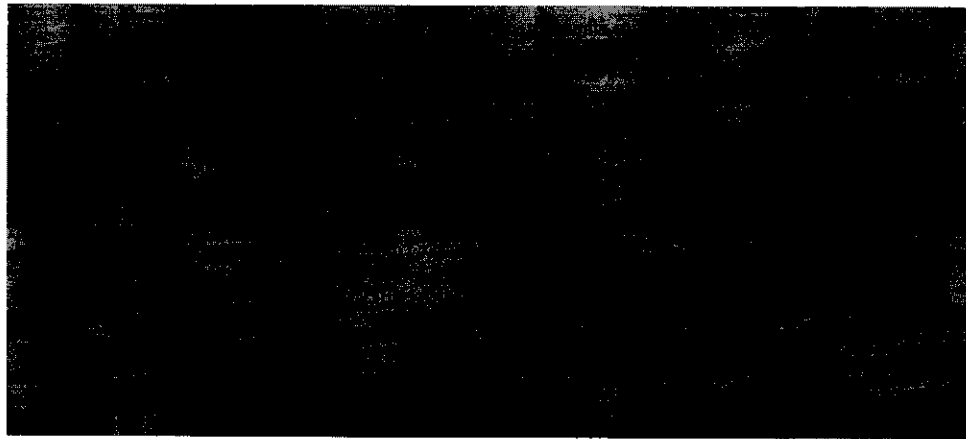
  
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project premises and necessary permission has been obtained from Petroleum and Safety Organization, Govt. of India.

(vi).OSR area:

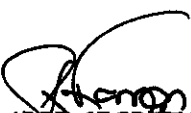
1. The sub-committee noted that the commissioner of Town and country planning has insisted the following conditions in the approved building plan issued vide RoC.No.25526/2013/Special Cell dated 23.05.2013,
  - (i) As per approved site plan, OSR land should be fenced and maintained"
  - (ii) OSR area should be kept open to sky without any constructions".
2. But the proponent has converted one part of OSR area into play ground and there was one building in the other part of OSR area which has to be verified by the Competent Authority. Hence the sub-committee decided to get clarification from the competent authority for compliance of the above said conditions by the proponent.
3. The Sub-Committee submitted the above inspection report to SEAC in the 138<sup>th</sup> meeting of SEAC held on 08.11.2019. After considering the inspection remark by the sub-committee of SEAC, the SEAC decided to seek the following details:
  - The commissioner of Town and country planning has insisted the following conditions in the approved building plan issued vide RoC.No.25526/2013/Special Cell dated 23.05.2013,
    - i. As per approved site plan, OSR land should be fenced and maintained.
    - ii. OSR area should be kept open to sky without any constructions.
4. But the proponent has converted one part of OSR area into play ground and there was one building in the other part of OSR area, it may be verified by the Competent Authority. Hence the SEAC decided to get clarification from the competent authority for the compliance of the above said conditions by the proponent. On receipt of the above said detail, SEAC would further deliberate on this project and decide the further course of action.


5. The project proponent furnished the reply vide letter dated 28.01.2020 enclosing the copy of letter dated 27.01.2020 issued by the Coimbatore Local Planning Authority.
6. The subject was placed in the 144<sup>th</sup> SEAC meeting held on 17.02.2020. The SEAC noted the following:



Based on the inspection report and the violation notification, the SEAC classified the level of damages by the following criteria:

1. Low level Ecological damage:
  - a. Only procedural violations (started the construction at site without obtaining EC)
2. Medium level Ecological damage:
  - a. Procedural violations (started the construction at site without obtaining EC)
  - b. Infrastructural violation such as deviation from CMDA/local body approval.
  - c. Non operation of the project (not occupied).
3. High level Ecological damage:
  - a. Procedural violations (started the construction at site without obtaining EC)
  - b. Infrastructural violation such as deviation from CMDA/local body approval.
  - c. Under Operation(occupied).

  
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7. In view of the above and based on the inspection report & the Ecological damage, remediation plan and natural & community resource augmentation plan furnished by the proponent, the SEAC decided the fund allocation for Ecological remediation, natural resource augmentation & community resource augmentation and CER by following the below mentioned criteria,

Level of Ecological Damage	Ecological Remediation	Natural Resource Augmentation	Community Resource Augmentation	CER (per unit of project cost)	Total (per unit of project cost)
Low level Ecological Damage	0.25	0.10	0.15	0.25	0.75
Medium level Ecological damage	0.35	0.15	0.25	0.5	1.25
High level Ecological damage	0.50	0.20	0.30	1.00	2.00

8. "As per the MoEF & CC Notification, S.O.1030 (E) dated: 08.03.2018, "The project proponent will be required to submit a bank guarantee equivalent to the amount of Remediation Plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for Category A projects or by the State or Union territory level Expert Appraisal Committee for Category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited prior to the grant of environmental clearance".

9. The committee observed that the Project of construction of additional buildings for Engineering college, hotel and bank with total built up area of 10910354 sq.m at S.F.Nos. 353/1, 2, 354/1, 356/3A, 357/1Dpt, 358/2A,

2C, 2D, 359/1A, 1B, 360/1C, 1D Pt, 361/3A, 362/1B Pt, 1C, 2A, 2B, 363/1B, 2, 3, 365/1A, 2, 366/1A, 1A1A2, 366/1A2, 1B & 372/2, Saravanampatti village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s. KGISL Trust comes under the "High level Ecological damage category". The total cost of the project is Rs.80 Lakh. The Committee decided to recommend the proposal to SEIAA for grant of Post construction EC subject to the following conditions in addition to the normal conditions:

- a) The amount prescribed for Ecological remediation is Rs. 40.00 Lakh. Natural resource augmentation is Rs. 16.00 Lakh, community resource augmentation is Rs. 24.00 Lakh and amount specified as CER is Rs.80.00 Lakh, totaling Rs.160.00 Lakh.
- b) The proponent should undertake and complete the activities listed under ecological remediation, Natural resource augmentation & Community resource augmentation for a total amount of Rs. 80.Lakh.
- c) The amount specified as CER (Rs.80.0Lakhs) shall be remitted in the form of DD before issue of EC for the activities as proposed.
- d) The project Proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a Period of one Year.

10. The Authority in the 372<sup>nd</sup> meeting of SEIAA held on 13.03.2020 discussed in detail and decided to refer back to SEAC for clarification on the project cost and built-up area. The referred back proposal was placed in the 164<sup>th</sup> meeting of SEAC held on 20.07.2020. After detailed deliberation, the SEAC decided to obtain the details of the Project cost including the land, building as per the value of the PWD guidelines and other assets certified by the Chartered Accountant and built- up area (break up details). After receipt of the details, the SEAC would consider further course of action.

11. The Project proponent furnished details to SEIAA-TN on 16.11.2020. The proponent furnished value of fixed certificate from Chartered Accountant for total assets value for Rs.55.12Crore. The environmental degradation is worked out for the complete proposal including the proposed buildings. Hence,

  
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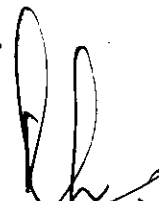
proponent requested the SEAC to calculate the Environmental damages amount for the cost of Rs.55.12Crore only for the existing buildings under violation.

12. The Proposal was once again placed in 199<sup>th</sup> meeting of SEAC held on 09.02.2021. Based on the project cost estimation certified by the Chartered Account in the letter dated 27.02.2020 submitted by the proponent, after detailed deliberations, the SEAC committee re-assessed the fund for Ecological remediation, natural resource augmentation & community resource augmentation and penalty as follows under the “High level Ecological damage category” considering the total cost of the existing constructed building value of Rs. 55.12 Lakh.

- a) The amount prescribed for Ecological remediation (Rs. 27.56Lakh), natural resource augmentation (Rs.11.024Lakh) & community resource augmentation (Rs. 16.536Lakh), totaling Rs. 140.0 Lakh. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.55.12Lakh in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
- b) The project Proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a Period of one Year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- c) The amount committed by the Project proponent for CER (Rs.55.12Lakh) 1% of the total project cost shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.

Except the above, all other conditions & recommendations stipulated in the 144<sup>th</sup> meeting of SEAC remain unchanged.

  
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“As per the MoEF& CC Notification, S.O.1030 (E) dated:08.03.2018, “The project proponent will be required to submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited prior to the grant of environmental clearance”

13. The proposal was placed in 432<sup>nd</sup> meeting of Authority held on 12.03.2021. After detailed discussion, the Authority noted as follows.

14. In the 199<sup>th</sup> SEAC meeting held on 09.02.2021, has recommended the proposal for grant of Post construction Environmental Clearance subject to the following conditions in addition to the normal conditions:

- a. The amount prescribed for Ecological remediation (Rs. 27.56Lakh), natural resource augmentation (Rs.11.024Lakh) & community resource augmentation (Rs. 16.536Lakh), totaling Rs. 140.0 lakh. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.55.12 Lakh in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
- b. The project Proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a Period of one Year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- c. The amount committed by the Project proponent for CER (Rs.55.12Lakh)- 1% of the total project cost shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.

  
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In view of the above, the Authority unanimously accepted the recommendations of the SEAC and decided to request the Member Secretary, SEIAA to address the proponent to furnish the following details as recommended by SEAC and place the proposal in the ensuing Authority meeting after receipt of said details.

- a. The proponent shall furnish the copy of acknowledgement obtained from TNPCB for remittance of Rs.55.12 Lakh in the form of bank guarantee towards the amount prescribed for Ecological remediation (Rs.27.56Lakh), natural resource augmentation (Rs.11.024Lakh) & community resource augmentation (Rs. 16.536Lakh) as recommended by SEAC.
- b. The project Proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one Year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- c. The amount committed by the Project proponent for CER (Rs.55.12Lakh)- 1% of the total project cost shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN.

15. The above minute was communicated to the project proponent, and the proponent has furnished letter dated: 10.03.2021 stating that, the cost of the expansion project is Rs.32.0785 lakh as per the certificate issued by Chartered Accountant as well as Chartered Civil Engineer who is Coimbatore District Collector's Panel Engineer. But the cost of the project is considered as Rs. 55.12 lakh and based on this of Rs.55.12 lakh the Ecological Remediation, Natural Resource Augmentation, Community Resource Augmentation cost have been calculated. In view of the above, the proponent requested for considering the project cost as Rs. 32.0785 lakh as per the certificate produced.

16. The proposal was placed in 450<sup>th</sup> meeting of SEIAA held on 26.07.2021. After detailed discussion, the Authority requested MS-SEIAA to send the proponent's request to SEAC for discussion and to furnish recommendation to SEIAA.

17. Meanwhile the project proponent requested SEIAA vide letters dated 31.08.2021 & 13.09.2021 to consider the proposal for issue of Environmental Clearance as recommended by SEAC in the 199<sup>th</sup> meeting of SEAC held on 09.02.2021 stating that,

- a. In our letter dated 20.03.2021, we have requested to reconsider the cost of the project which is considered higher than our estimated cost for expansion.
- b. But later we understand the estimate considered by SEAC i.e. including existing asset value of our project. Accordingly, we have submitted the Bank Guarantee to TNPCB for Rs. 55.12 Lakh, paid an amount of Rs.55.12 Lakh to District Collector, Coimbatore towards CER expenditure and credible action has already been taken by TNPCB against our project as desired.

18. In this connection, the proponent has submitted the following details as recommended by SEAC in the 199<sup>th</sup> meeting of SEAC held on 09.02.2021.

- c. Copy of Bank Guarantee drawn in favour of TNPCB in Canara Bank for an amount of Rs.55.12 lakh vide BG No.T20GOPG212395001 with copy of acknowledgement obtained from TNPCB for the submission of the same in TNPCB.
- d. Copy of acknowledgement obtained from the District Collector, Coimbatore towards remittance of Rs.55.12 lakh by way of demand draft drawn in favour of the District Collector, Coimbatore (Canara Bank DD No.754385 dated 27.08.2021) for laying of Panchayat Roads/Cleaning the Chinnvedampatti Tank under the CER activities.
- e. Copy of proof of case filed by the TNPCB in Judicial Magistrate –II, Coimbatore against the project proponent under section 19 of the Environment (Protection) ACT, 1986 vide C.C.No.202 of 2014.
- f. Copy of affidavit towards operation of STP, disposal of solid waste etc.,

  
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The proposal was placed in 462<sup>nd</sup> meeting of SEIAA held on 20.09.2021. After detailed discussion the Authority unanimously accepted the recommendation of SEAC and decided to grant Environmental Clearance subject to the conditions as recommended by SEAC & normal condition in addition to the following conditions:

1. The project Proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a Period of one Year as committed. If not, the bank guarantee will be forfeited to TNPCB without further notice.
2. The proponent shall ensure that the treated/untreated sewage should not be disposed directly or indirectly to the nearby water bodies under any circumstances.
3. As per the MoEF& CC office memorandum F.No.22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent has furnished the detailed EMP, mentioning CER activities for Rs.55.12Lakhs as committed and the CER activities shall be carried out before obtaining CTO from TNPCB.

Accordingly Environmental Clearance under violation category was issued vide T.O. Lr. No. SEIAA-TN/F.No.371/EC/8(a)/788/2021 dated 04.10.2021 subject to the conditions stated therein.


Now the Proponent vide letters dated 28.06.2022 and 11.11.2022 has requested for return of Bank Guarantee furnishing the copy of acknowledgement dated 28.08.2021 received from the District Collector/Chairman, District Rural Development Agency, Coimbatore for Rs. 55.12 Lakh.

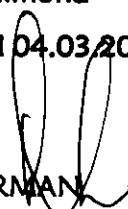
The Committee after detailed discussions decided to recommend to SEIAA to accept the request of the Proponent to release the Bank Guarantee submitted to TNPCB, as the PP has fulfilled all conditions.

**Agenda No: 347-13**

**(File No: 3985/2021)**

**Proposed Charnockite Blue Metal quarry lease over an extent of 0.70.96 Ha in S.F. Nos. 133/2A, 2B, 3A, 3B, 4 & 142/5C2, 6B, 7A, 7B, Keezhmidalam-A Village, Vilavancode Taluk, Kanniyakumari District, Tamil Nadu by Thiru.C.Climond - For Extension of Environmental Clearance. (SIA/TN/MIN/201677/2021 dated 04.03.2021)**

  
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The proposal was placed in this 347<sup>th</sup> Meeting of SEAC held on 13.01.2023. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Thiru. C.Climond Limited has applied for Extension of Environmental Clearance for the Proposed Charnockite Blue Metal quarry lease over an extent of 0.70.96 Ha in S.F. Nos. 133/2A, 2B, 3A, 3B, 4 & 142/5C2, 6B, 7A, 7B, Keezhmidalam-A Village, Vilavancode Taluk, Kanniyakumari District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

During the meeting the Committee noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion and the project proponent shall furnish the reason for his absence.

**Agenda No: 347 - 14**

**File No: 4722**

**Existing Rough stone quarry over an extent of 2.02.5 Ha at S.F.No 2(P) of Ellupudayampatty Village, Harur Taluk, Dharmapuri District, Tamil Nadu by Thiru. I D Alavudeen basha - For Terms of Reference under the Violation category (SIA/TN/MIN/22449/2018, dated: 18.03.2018)**

The proposal was placed in 347<sup>th</sup> SEAC meeting held on 13.01.2023. The details of the project furnished by the proponent are given in the website ([parivesh.nic.in](http://parivesh.nic.in)).

**The SEAC noted the following:**

1. The Project Proponent, Thiru. I D Alavudeen Basha has applied for Terms of Reference under violation category for the Proposed Rough stone & gravel over an extent of 2.02.5 Ha at S.F.No 2(P) Ellupudayampatty Village Harur Taluk Dharmapuri District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. SEIAA-TN vide Lr No. SEIAA-TN/F.4722/2015 Dt. 07.04.2016, has asked the PP to furnish certain additional details.

  
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4. SEIAA-TN vide Lr No. SEIAA-TN/F.4722/2016 Dt. 08.10.2016, A letter addressed to AD/Mines for further clarification.
5. Further, as per the mine plan submitted by the proponent to SEIAA, it is ascertained that lease was granted to the proponent vide proceeding RC. No. 144/2010/Mines Dated: 13.06.2010 and the lease was executed on 11.07.2010 and the lease expired on 10.07.2022.

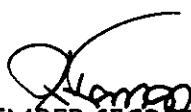
Based on the presentation and documents furnished by the project proponent, SEAC observed that, (1) the land is Government land – tender quarry, (2) the lease period has expired and currently there is no valid lease and the question of issuing ToR for preparation of EIA report for EC does not arise (3) PP may have neither the access to the site nor the inclination to prepare damage assessment for the violation committed and (4) it is vital to enforce the principle of ‘polluter pays’ in such cases, SEAC decided to recommend the following course of action.


- i. SEIAA may direct TNPCB to work out the damage assessment by following the guidelines of CPCB in this regard, after getting the relevant details from the concerned AD G&M, and take action to recover the cost.
- ii. The SEIAA may direct the Directorate of Mining and Geology(DMG) to ascertain as to whether the PP had complied with the mine closure plan as per mining plan and if the PP had not complied with the same, take appropriate action for enforcing the mining closure plan, including recovery of cost, if any.
- iii. The SEIAA may direct the TNPCB/DMG to file the action taken report on the basis of the above direction within a period of six months, after providing the necessary opportunity to the PP in this regard in accordance with law.
- iv. SEIAA may initiate action under Sec.19 of EP Act against the PP.

**Agenda No: 347 –15**

**(FileNo.6366/2022)**

**Existing Limestone Mine from over an Extent of 4.49.0Ha in S.F.Nos. 13/1A, 13/1B, 13/1C, 13/1D, 13/1E, 13/2, 14/1, 14/2, 14/11, 14/12, 14/13A, 14/13B, 14/14A, 14/14B, 14/16, 14/17A, 14/17B at Alanthuraiyarkattalai (A.Panangur) Village of Ariyalur Taluk, Ariyalur District by Thiru. K. Ganesan, K. Subramanian & K. Jegathesan -**

  
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**For Extension of validity of the Terms of Reference issued under “Violation Category” (SIA/TN/MIN/269097/2022 dated: 22.04. 2022)**

The proposal was placed in this 347<sup>th</sup> Meeting of SEAC held on 13.01.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following**

1. The project proponents Thiru. K. Ganesan, K. Subramanian & K. Jegathesan have applied seeking Extension of validity for Terms of Reference under Violation category for the Existing Limestone Mine from over an Extent of 4.49.0Ha in S.F.Nos. 13/1A, 13/1B, 13/1C, 13/1D, 13/1E, 13/2, 14/1, 14/2, 14/11, 14/12, 14/13A, 14/13B, 14/14A, 14/14B, 14/16, 14/17A, 14/17B at Alanthuraiyarkattalai (A.Panangur) Village of Ariyalur Taluk, Ariyalur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category “B” – “Under Violation category” of item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006, as amended.
3. The Proponent applied seeking ToR to carry out the EIA study under violation vide dated 06.04.2018.
4. ToR with public hearing for carrying out the EIA study under violation category was issued vide Lr No.SEIAA-TN/F.No.6366/TOR- 516/2018 Dated:01.08.2018.
5. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects, i.e upto 31.07.2022.
6. Now the proponent has applied online through PARIVESH web portal vide Proposal No. SIA/TN/MIN/269097/2022 dated: 22.04.2022 for the extension of validity of ToR with all required documents.
7. The proponent had cited the reasons of the outbreak of the Coronavirus (covid-19) and subsequent lockdowns which had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

  
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8. As per MoEF&CC Notification S.O. 221(E), dated the 18<sup>th</sup> January, 2021, it states that *".....the period from the 1<sup>st</sup> April, 2020 to the 31<sup>st</sup> March, 2021 shall not be considered for the purpose of calculation of the period of validity of Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid...."*.

Hence, the SEAC after detailed discussions decided to confirm that the ToR issued is valid up to 31.07.2023 as per the aforesaid MoEF Notification dated 18.01.2021.

Hence, the project proponent is requested to submit the following:

- a) Public hearing minutes, EIA/EMP report along with details of aspects of violation, Ecological Damage assessment, Remediation Plan, Natural Resource Augmentation Plan, Community Resource Augmentation plan.
- b) Proof for the action taken by the State Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended on 08.03.2018.

**Agenda No: 347-16**

**(File No: 6573/2022)**

**Existing Black Granite quarry lease over an extent of 24.30.0 Ha S.F.Nos.1193/1 (Part), Kodakkal Village, Sholingur Taluk, Ranipet District, Tamil Nadu by M/s TAMIN - For amendment in Environmental Clearance issued.(SIA/TN/MIN/293836/2022)**

The proposal was placed in 347<sup>th</sup> SEAC held on 13.1.2023. The details of the project are available in the website (parivesh.nic.in).

**SEAC noted the following:**

- The PP was issued with Environmental Clearance vide SEIAA-TN/F.No.6573/2018/1(a)/ EC-4557/ 2021. Dt. 24.2.2021 for the production in ROM: 219560 M<sup>3</sup> & 21956 m<sup>3</sup> of black granite and Granite Waste: 197604 m<sup>3</sup>

  
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Black Granite with an ultimate depth is 40m AGL.

- The mine lease period is from 12.1.2009 to 11.1.2039.
- Now, the PP has obtained revised mining plan is as follows

Sl No	Year	Proposed Production quantity in M <sup>3</sup> as per EC [ 24.02.2021]			Actual Production quantity in M <sup>3</sup> as per EC			Approval of Scheme of Mining Plan-II
		RoM	Production [10%]	Granite rejects	RoM	Production	Granite rejects	
1.	2018-2019	73,598	7360	66238	Nil	Nil	Nil	Director of Geology and Mining Letter Rc. No.6056/MM5/2018 dated:10.11.2018
2.	2019-2020	73,596	7360	66236	Nil	Nil	Nil	
3.	2020-2021	73,477	7348	66129	Nil	Nil	Nil	
4.	2021-2022	73,632	7363	66269	2017.65	201.765	1815.885	
5.	2022-2023	72,451	7245	65206	-	-	-	
As per EC		219560	21956	197604				
Total		3,66,754	36,676	3,30,078	-	-	-	

  
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As per revised mining plan


Sl No	Year	Proposed Production quantity in M <sup>3</sup> Amendment sought in EC			Particulars of approval of Modified Mining Plan-II
		RoM	Production [ 20%]	Granite rejects	
1.	2022-2023	73,632	14726	58906	Rc.No.5665/MM4/2022, dated:05.11.2022.
2.	2023-2024	72,451	14490	57961	
<b>Total</b>		<b>1,46,083</b>	<b>29,216</b>	<b>1,16,867</b>	


- The PP has applied for the following amendment in the existing EC issued since the recovery percentage increased from 10% to 20%:

Production qty as per EC	Amendment Sought
RoM: 219560 m <sup>3</sup> Black Granite: 21956 m <sup>3</sup> For the period from 24.2.2021 to 31.3.2023	RoM: 146083 m <sup>3</sup> Black Granite: 29216m <sup>3</sup> Granite Waste: 57615 m <sup>3</sup> For 30 years/ life of mine whichever is earlier as per MoEF&CC notification Dt. 13.12.2022.

The proponent gave justification for increase of production recovery without increasing RoM as follows:

- To improve revenue to TAMIN and also seigniorage revenue to Government, TAMIN has proposed to produce the commercial blocks and small blocks from the Granite waste apart from defect free blocks in the subject area.
- Therefore, the recovery percentage is expected to increase from 10% to 20% without increasing Run of Mine (RoM) and method of mining.
- The only change sought is to allow sale of commercial and small blocks which are currently treated as waste.

  
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- The environmental impact is directly linked to RoM and not so much to saleable production quantity.
- Since the EC limits saleable production quantity it is observed that our quarry managers tend to extricate a very miniscule quantity of absolutely defect free material.
- This is neither in the interest of revenue generation for TAMIN / State but is also in no way helping protect the environment.

SEAC carefully considered the request of the PP based on the presentation made and the details furnished by the PP. SEAC noted the following.

1. The term RoM includes raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area.
2. The quantity of 'saleable mineral' depends on many factors such as the geology of the site, technology, workmanship, etc, and, therefore, is difficult to estimate accurately, while RoM can easily be estimated at the time of preparation of mining plan.
3. SEAC recommended EC for the project based on the EIA/PFR/EMP report and approved mining plan wherein the details of production of RoM, mineral and mineral waste were mentioned.
4. The mine is in operation and compliance with the conditions as given in the EC.
5. EMP for the project has been finalised based on total RoM & peak annual RoM and not based on 'saleable mineral.'
6. SEAC noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.

Considering all the above, the Committee recommends the following amendment to the EC subject to the following conditions.

Production qty as per EC	Amendment Recommended
RoM: 219560 m <sup>3</sup>	RoM: 146083 m <sup>3</sup>
Black Granite: 21956 m <sup>3</sup>	Black Granite Annual Peak
For the period from 24.2.2021 to 31.3.2023	Production: 14490m <sup>3</sup>

  
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	Granite Waste: 57615 m <sup>3</sup> Validity as per MoEF&CC notification No. S.O. 1807(E) Dt 12.4.2022 & subsequent OM Dt. 13.12.2022.
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1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt. 12.4.2022 & subsequent OM Dt. 13.12.2022.
2. The existing conditions as mentioned in the EC vide SEIAA-TN/F.No.6573/2018/1(a)/ EC-4557/ 2021. Dt. 24.2.2021 remains unaltered.
3. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix –II** of this Minutes.

**Agenda No: 347-17**

**(File No: 6741/2022)**

**Existing Black Granite quarry lease over an extent of 7.80.0 Ha S.F.Nos.324/1, Samanur Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by M/s TAMIN - For amendment in Environmental Clearance issued.(SIA/TN/MIN/294126/2022)**

The proposal was placed in 347<sup>th</sup> SEAC held on 13.1.2023. The details of the project are available in the website (parivesh.nic.in).

**SEAC noted the following:**

- The PP was issued with Environmental Clearance vide SEIAA-TN/F.No.6741/1(a)/ EC-4679/ 2021. Dt. 29.7.2021 for the production in ROM: 119987 M<sup>3</sup> & 5999 m<sup>3</sup> (5% recovery) of black granite and Granite Waste: 113988 m<sup>3</sup> Black Granite with an ultimate depth is 27m AGL.
- The lease period is from 8.10.2021 to 7.10.2041
- Now, the PP has obtained revised mining plan is as follows

  
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Sl No	Year	Proposed Production quantity in M³ as per EC			Actual Production quantity in M³ as per EC			Particulars of approval of Mining Plan
		RoM	Production on [5%]	Granite rejects	RoM	Production	Granite rejects	
1.	2021-2022	24000	1200	22800	2408.02	120.401	2287.619	Rc.Lr.No.5910/MM5 /2017 dated:09.02.2019
2.	2022-2023	24017	1201	22816	-	-	-	
3.	2023-2024	23988	1199	22789	-	-	-	
4.	2024-2025	24000	1200	22800	-	-	-	
5.	2025-2026	23982	1199	22783	-	-	-	
Total		119987	5999	113988	-	-	-	

As per revised mining plan

Sl No	Year	Proposed Production quantity in M³ Amendment sought in EC			Approval of Modified Mining Plan
		RoM	Production [20%]	Granite rejects	
1.	2022-2023	24017	4803	19214	Rc.No.5662/MM4 /2022, dated:05.11.2022.
2.	2023-2024	23988	4798	19190	
3.	2024-2025	24000	4800	19200	
4.	2025-2026	23982	4796	19186	
Total		95987	19197	76790	

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- The PP has applied for the following amendment in the existing EC issued since the recovery percentage increased from 5% to 20%:

Production qty as per EC	Amendment Sought
RoM: 119987 m <sup>3</sup> Black Granite: 5999 m <sup>3</sup> For the period of Five years.	RoM: 95987m <sup>3</sup> (Remaining four years) Black Granite: 19197m <sup>3</sup> (Remaining four years) For 30 years/ life of mine which ever is earlier as per MoEF&CC notification S.O. 1807(E) Dt 12.4.2022 & subsequent OM Dt. 13.12.2022.

The proponent gave justification for increase of production recovery without increasing RoM as follows:

- To improve revenue to TAMIN and also seigniorage revenue to Government, TAMIN has proposed to produce
- the commercial blocks and small blocks from the Granite waste apart from defect free blocks in the subject area.
- Therefore, the recovery percentage is expected to increase from 5% to 20% without increasing Run of Mine
- (RoM) and method of mining.
- The only change sought is to allow sale of commercial and small blocks which are currently treated as waste.
- The environmental impact is directly linked to RoM and not so much to saleable production quantity.
- Since the EC limits saleable production quantity it is observed that our quarry managers tend to extricate a very
- miniscule quantity of absolutely defect free material.

  
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- This is neither in the interest of revenue generation for TAMIN / State but is also in no way helping protect the environment.

SEAC carefully considered the request of the PP based on the presentation made and the details furnished by the PP. SEAC noted the following.

1. The term RoM includes raw, unprocessed or uncrushed material in its natural state obtained after blasting, digging, cutting or scraping from the mineralized zone of a lease area.
2. The quantity of 'saleable mineral' depends on many factors such as the geology of the site, technology, workmanship, etc, and, therefore, is difficult to estimate accurately, while RoM can easily be estimated at the time of preparation of mining plan.
3. SEAC recommended EC for the project based on the EIA/PFR/EMP report and approved mining plan wherein the details of production of RoM, mineral and mineral waste were mentioned.
4. The mine is in operation and compliance with the conditions as given in the EC.
5. EMP for the project has been finalised based on total RoM & peak annual RoM and not based on 'saleable mineral.'
6. SEAC noted that the PP has not asked for any change in the area, or in RoM, or in the peak annual RoM.

Considering all the above, the Committee recommends the following amendment to the EC subject to the following conditions.

Production qty as per EC	Amendment Recommended
RoM: 119987 m <sup>3</sup> Black Granite: 5999 m <sup>3</sup> For the period of Five years.	RoM: 95987m <sup>3</sup> (Remaining four years) Black Granite Annual Peak Production: 4803m <sup>3</sup> Validity as per MoEF&CC notification Dt. 13.12.2022.

1. The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time subject to

  
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a maximum of thirty years, whichever is earlier, vide MoEF&CC notification No. S.O. 1807(E) Dt.12.4.2022 & subsequent OM Dt. 13.12.2022.

2. The existing conditions as mentioned in the EC vide SEIAA-TN/F.No.6741/1(a)/EC-4679/ 2021. Dt. 29.7.2021 remains unaltered.
3. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road, about the project information as shown in the **Appendix –II** of this Minutes.

**Agenda No: 347 – 18.**

**File No.6742/2022**

**Amendment of Environmental Clearance for the proposed Black Granite Quarry over an extent of 30.10.5 Ha at SF.No.1, Sudanur village, Palacode Taluk, Dharmapuri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited– Environmental Clearance. (SIA/TN/MIN/283002/2022, dt:12.07.2022).**

The proposal was placed in the 334<sup>th</sup> SEAC Meeting held on 02.12.2022. The details of the minutes are available in the website (Parivesh.nic.in).

1. The project/activity is covered under category “B1” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
2. The project proponent M/s. Tamil Nadu Minerals Limited has obtained Environmental Clearance vide Lr. No. SEIAA-TN/F.No.6742/EC/1(a)/5012/2020, dt: 09.03.2022 for the proposed Black Granite Quarry over an extent of 30.10.5 Ha at SF.No.1, Sudanur village, Palacode Taluk, Dharmapuri District for the production of 79,004m<sup>3</sup> of ROM Black Granite per Annum and 3,950m<sup>3</sup> of recoverable production of granite for a period of 5 years and ultimate depth is 30m.
3. Now, the project proponent (PP) M/s. Tamil Nadu Minerals Limited has applied for **amendment** of Environmental Clearance vide Online proposal No. SIA/TN/MIN/283002/2022 dated:12.07.2022 and requested for the **amendment** of Environmental Clearance for the following vide covering Lr. Dt:13.07.2022 for the reasons stated therein.

  
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Production Quantity as per EC	Amendment Sought
<b>RoM: 79,004m<sup>3</sup> per Annum</b> <b>Black Granite: 3950m<sup>3</sup> per Annum (5% of recovery)</b> <b>EC period: 5 Years.</b>	<b>RoM: 79,004m<sup>3</sup> per Annum</b> <b>Black Granite: 15800 m<sup>3</sup> per Annum (20% of recovery).</b> <b>EC period: 30 Years (or) life of mine whichever is earlier.</b>

Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of amendment of Environmental Clearance for the validity period of 30 Years (or) life of mine whichever is earlier and the production quantity of RoM is 79,004m<sup>3</sup> per Annum & 15800 m<sup>3</sup> of Black Granite per Annum (20% of recovery) subject to all the conditions stipulated vide EC Lr. No. SEIAA-TN/F.No.6742/EC/1(a)/5012/2020, dt: 09.03.2022.

The subject was placed in the 579<sup>th</sup> authority meeting held on 16.12.2022. Authority after detailed discussion, decided to refer back the proposal to SEAC for remarks for the following stated therein.

The Authority during discussions, noted the following:

- i) Earlier EC was accorded to M/s TAMIN vide Lr. No. SEIAA-TN/F.No.6742/EC/1(a)/5012/2020, dt: 09.03.2022 for the production of 79,004m<sup>3</sup> of ROM Black Granite per Annum and 3,950m<sup>3</sup> per Annum of Black Granite (5% Recovery). Now, the PP had submitted a proposal seeking amendment in earlier issued EC for an increase in the recovery rate from 5% to 20%. Subsequently, the production quantity has increased from 3590 m<sup>3</sup> to 15800 m<sup>3</sup>.
- ii) Further, as per the letter issued by Commissioner, Dept. of Geology & Mining, Chennai dated. 31.10.2022, the proponent has obtained permit for quantity of 703.514 cu.m from April 2022 to August 2022 which amounts to production capacity only.
- iii) Further, in the EIA/EMP report submitted earlier, the measures proposed to mitigate the pollution load that would arise due to the transportation of material might be anticipated for 10% of the RoM only. But as per the current proposal, there would be increase in the number of transport

  
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loads as the recovery increased to 20%. Subsequently, pollution load may also increase.

- iv) As per the MoEF&CC O.M dated 11.04.2022, Under para 4, point (v) and (vii) states as follows:

*".....Predicted environmental quality parameters arising out of proposed expansion /modernisation shall be within the prescribed norms and the same shall be maintained as per prescribed norms..."*

*".....The project proponent should have satisfactorily complied the conditions stipulated in the existing EC(s) and satisfactorily fulfilled all the commitments made during the earlier public hearing/ consultation proceedings and also the commitments given while granting previous expansion, as may be applicable. This shall be duly recorded in the certified compliance report issued by the IRO / CPCB/ SPCB, which should not be more than one year old at the time of submission of application...."*

In the view of the above, the current proposal may fall under modernization /expansion due to the change in the mining plan of the earlier accorded EC and further predicted environmental quality parameters are anticipated to change due to the proposed increase in the rate of recovery from 5% to 20%.

- v) Further, As per the MoEF&CC O.M dated 11.04.2022, Under para 5,

Scenario	Intended change through modernisation/ change of product mix/ expansion	Requirement of revised EIA/ EMP report	Requirement of Certified Compliance Report	Requirement of fresh Public Consultation	Whether reference to Appraisal Committee is required
I	Projects which involve modernisation/ change of product mix without increase in production capacity but with increase in pollution load.	Yes	Yes	No	Yes
II	Up to 20 percent based on environmental safeguards conditions.	Yes	Yes	No	Yes
III	Up to 40 percent based on successful compliance of previous environmental safeguard conditions related to expansion of 20 percent.	Yes	Yes	No	Yes
IV	More than 40 percent but less than 50 Percent based on successful compliance of previous environmental safeguard conditions related to expansion of 40 percent.	Yes	Yes	Yes	Yes

As per the above OM, it is ascertained that, though there is no change in ROM but there will be a significant increase in the pollution load due to the increased truckloads. Hence, scenario I may be applicable to the current proposal. Hence, the proponent may have to produce a revised EIA report and a Certified Compliance Report for the EC issued dated 09.03.2022.

vi) Also under para 2 (a),

*"Projects seeking prior EC for expansion with increase in the production capacity beyond the capacity for which prior environmental clearance was granted [with increase in lease area or production capacity in mining projects] shall be considered by the concerned Expert Appraisal Committee [or SEAC, as the case may be] to decide whether Environment Impact Assessment and public consultations need to be carried out for grant of EC."*

This proposal was again placed in 347<sup>th</sup> SEAC meeting held on 13.01.2023. Based on the presentation & documents furnished, the Committee after detailed discussion decided to re-confirm the recommendation already made in 334<sup>th</sup> SEAC Meeting held on 02.12.2022.

**Agenda No: 347 – 19.**

**(File No: 1107/2022)**

**Existing Black Granite quarry lease over an extent of 35.99.0 Ha at S.F.No: 412 (P) at Sinjаланatham Village, Pennagaram Taluk, Dharmapuri District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited- For Environmental Clearance.(SIA/TN/MIN/74005/2018 Dated:23.03.2022)**

Earlier, this proposal was placed in 291<sup>st</sup> SEAC meeting held on 1.7.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, M/s. Tamil Nadu Minerals Limited has applied for Environmental Clearance for the proposed Black Granite quarry lease over an extent of 35.99.0 Ha at S.F.No: 412 (P) at Sinjаланatham Village, Pennagaram

  
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Taluk, Dharmapuri District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. ToR was issued vide Lr No. SEIAA-TN/F.No.1102/2013/TOR-820/2020 Dt.17.11.2020 under violation category.
4. Public hearing was conducted on 21.01.2022
5. As per the mining plan, the lease period is for 30 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed ROM- 296347 m<sup>3</sup> & 29634 m<sup>3</sup> of Granite with ultimate depth of 28m.

This proposal was placed in 291<sup>st</sup> SEAC meeting held on 1.7.2022. The Committee decided to defer the proposal since the PP requested for time to furnish certain details to the Committee. Also the Committee called for the following details from the PP.

1. The PP shall furnish a letter from DFO on the proximity details of nearest RF with respect to the proposed project site.

Subsequently, this proposal was placed in the 536<sup>th</sup> Authority meeting held on 21.10.2020 & 22.10.2020. The authority after detailed discussion decided to refer back the proposal to SEAC for appraisal on the receipt of following details from the project proponent.

The authority noted that as per the approved mining plan/mine closure plan submitted & as per the Point no. 31 (Storage of overburden, waste rock etc) of Chapter-VI of Granite Conservation & Development Rules, 1999

- i) The overburden, waste rock and non-saleable granite generated during prospecting or mining operations for granite shall be stored separately in properly formed dumps on grounds earmarked.
- ii) Such dumps shall be properly secured to prevent the escape of material in harmful quantities which may cause degradation of the surrounding land or silting of water courses.
- iii) Wherever possible, such waste rock or overburden or other rejects, shall be backfilled into the worked out granite quarry, where granite has been recovered upto the optimum depth, with a view to restore the land to its original use or desired alternate use, as far as possible and where the

  
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backfilling is not feasible, the waste dumps shall be suitable terraced and stabilised by planting vegetation or otherwise.

As per the Point no. 32 (Reclamation and Rehabilitation of lands) of Chapter-VI of Granite Conservation & Development Rules, 1999

“Every lease holder shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by prospecting or mining operations and shall complete this work before the conclusion of such operations and the abandonment of the granite quarry”.

The Authority after detailed discussion decided to refer back the proposal to SEAC for specific recommendation with justification for grant of Environmental clearance on the quantity of mineable mineral in terms of ROM quantity instead of Production quantity after the receipt of following details from the project proponent.

- i) The proponent shall submit the details of utilization of total quantity of granite Waste till the life of the quarry period for beneficial purpose.
- ii) The proponent shall submit revised progressive mine closure & rehabilitation plan.
- iii) To furnish approval obtained from the competent authority details of utilization of quantity of granite Waste for beneficial purpose as per market trend and revised progressive mine closure & rehabilitation plan proposed quarry pits till the life of the quarry period.
- iv) Long term and short term ecological and environmental impacts due to storage, handling, and transportation of granite waste for beneficial purpose (or) otherwise.
- v) AD/Competent authority of Geology & Mining Dept. justification for according permission in terms of ROM quantity instead of production quantity.
- vi) Can waste and such tailings be used for land back fills.
- vii) Mine closure plans and EMP in detail. How can the granite mine site be reclaimed to near natural and pre-mining condition.

  
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- viii) Action plan for protection of open and abandoned open spots as they are Hotspot for toxic water accumulation, contamination and accidents.
- ix) On impact due to transportation of the granite waste on the access road and the equipment, and social impacts.
- x) EC has been issued & mentioned with the quantity of ROM, Products & Waste etc., as per mining plan. If any revision is required, the PP shall obtain necessary revision/amendment in the approved mining plan from the competent authority.
- xi) The PP shall furnish the revised/detailed mine closure plan by considering ROM/total excavation from the competent authority.

This proposal was again placed in 335<sup>th</sup> SEAC meeting held on 06.12.2022. The Committee decided to defer the proposal since the project proponent requested time to furnish certain details sought by the Committee vide minutes of 291<sup>st</sup> SEAC meeting held on 1.7.2022 & the vide minutes of 536<sup>th</sup> Authority meeting held on 21.10.2020 & 22.10.2020.

This proposal was again placed in 347<sup>th</sup> SEAC meeting held on 13.01.2023. Based on the presentation & documents furnished, the Committee after detailed discussion decided to defer the proposal since the project proponent has again requested additional time to furnish certain details sought by the Committee vide minutes of 291<sup>st</sup> SEAC meeting held on 1.7.2022 & the vide minutes of 536<sup>th</sup> Authority meeting held on 21.10.2020 & 22.10.2020.

**Agenda No: 347-20**

**(File No: 1192/2018)**

**Existing Black Granite Quarry lease over an extent of 2.53.50 Ha at S.F. No. 184/1B(P) of Thatchampattu Village, Gingee Taluk, Villupuram District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited - For Extension of Environmental Clearance. (SIA/TN/MIN/137853/2018 dated 13.01.2023)**

The proposal was placed in this 347<sup>th</sup> Meeting of SEAC held on 13.01.2023. The details of the project furnished by the proponent are available in the website ([www.parivesh.nic.in](http://www.parivesh.nic.in)).

  
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**The SEAC noted the following:**

1. The Project Proponent, M/s. Tamil Nadu Minerals Limited has applied for Extension of Environmental Clearance for the Existing Black Granite Quarry lease over an extent of 2.53.50 Ha at S.F.No. S.F. No. 184/1B(P) of Thatchampattu Village, Gingee Taluk, Villupuram District, Tamil Nadu.
2. The project/activity is covered under Category "B" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The quarry lease was granted vide G.O (3D) No.101 Industries (MME.1) Dept. Dated: 01.12.2008 for a period of 30 years.
4. Mining plan prepared and got approved by the Commissioner of Geology and Mining vide Roc.No 6401/MM5/2008 Dated 25.09.2008.
5. The PP has obtained Environmental clearance vide Lr. No. SEIAA-TN/F.No.1192/1(a)/ EC.No.1690/2016, dated 11.02.2015 valid upto 10.02.2020 for the quantity of 551.550 cu.m of Granite upto the depth of 30m.
6. The second scheme of mining was submitted to the Department of Geology and Mining vide TAMIN letter No.5845/ML3/2013 dt: 24.01.2020. It is under process at Department of Geology and Mining.
7. The PP has now applied to extend EC for the remaining lease period up to 18.01.2039.

Based on the presentation and document furnished by the project proponent, SEAC decided to call for the following details from the project proponent:

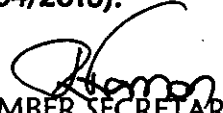
1. The PP shall furnish a 2<sup>nd</sup> scheme of approved mining plan and approval letter obtained from Director/ Asst. Director, Department of Geology.

On the receipt of the same further deliberation will be done.

**Agenda No: 347 – 21.**

**File No.1652/2022**

**Proposed Black granite quarry over an extent of 46.07.0 Ha at S.F.No. 311 Old No 311/1 Rajakkal Village, Gudiyatham Taluk, Vellore District, Tamil Nadu by M/s. TamilNadu Minerals Limited– Terms of Reference. (SIA/TN/MIN/24962/2022, dt: 13/04/2018).**

  
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The proposal was placed in the 347<sup>th</sup> SEAC Meeting held on 13.1.2022. The details of the minutes are available in the website (Parivesh.nic.in).

1. The project proponent, M/s. Tamil Nadu Minerals Limited has applied for **Terms of Reference** for the proposed Black Granite quarry lease over an extent of 46.07.0 Ha at S.F.No. 311 Old No 311/1 Rajakkal Village, Gudiyatham Taluk, Vellore District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The period of lease was for 20years from 17.09.2007 to 16.09.2027
4. The Total quantity of RoM does not exceed with 36757 M<sup>3</sup> and 10% of recovery –3676m<sup>3</sup>. The annual peak production 12395 m<sup>3</sup>(3<sup>rd</sup> year) with an ultimate depth of 30m.

Based on the presentation and documents furnished by the project proponent, SEAC decided to grant of **Terms of Reference (TOR) under Violation category as per the MoEF & CC Notification No. S.O.804 (E), dated. 14.03.2017 with public hearing** subject to the following specific TOR, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants.

1. The project proponent shall submit approved Scheme of Mining for continuing the mining operations in the next production plan period .
2. The SEIAA shall immediately initiate take action u/s 19 of E(P) Act 1986 against the PP for the committed violation.
3. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.

  
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4. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarrying during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
5. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
6. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
7. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
8. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a) What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b) Quantity of minerals mined out.
  - c) Highest production achieved in any one year
  - d) Detail of approved depth of mining.
  - e) Actual depth of the mining achieved earlier.
  - f) Name of the person already mined in that leases area.
  - g) If EC and CTO already obtained, the copy of the same shall be submitted.
  - h) Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
9. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of

  
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- the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
10. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
  11. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc.
  12. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
  13. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
  14. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
  15. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
  16. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.

17. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
18. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
19. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
20. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
21. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
22. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
23. Impact on local transport infrastructure due to the Project should be indicated.
24. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
25. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.

  
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26. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
27. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
28. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
29. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
30. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **appendix-I** in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
31. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
32. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
33. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of

the lease period.

34. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
35. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
36. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
37. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.
38. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
39. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
40. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
41. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.

  
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**Agenda No: 347 – 22.**

**File No.1827/2022**

**Existing Black granite quarry over an extent of 6.73.0 Ha at S.F.No. 4/2 & 4/37 Thandrapattu Village, Chengum Taluk, Tiruvannamalai District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited– Terms of Reference. (SIA/TN/MIN/23931/2018).**

The proposal was placed in the 347<sup>th</sup> SEAC Meeting held on 13.1.2022. The details of the minutes are available in the website (Parivesh.nic.in).

The SEAC noted that

1. The project proponent, M/s. Tamil Nadu Minerals Limited has applied for Extension of Environmental Clearance issued for the Existing Black Granite quarry lease over an extent of **6.73.0 Ha at S.F.No. 4/2 Thandrapattu Village, Chengum Taluk, Tiruvannamalai District, Tamil Nadu.**
2. The project/activity is covered under category “B2” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. The period of lease from 1.09.2009 to 31.08.2029
4. The PP has obtained Environmental Clearance under violation category vide SEIAA-TN/F.No.1827/2013/1(a)/EC-4556/2021 Dt. 24.2.2021 with valid up to 31.3.2022 with the production quantity 9690 m3 of Black granite.
5. MoEF&CC Notification S.O. 221(E), Dt :18.01.2021.
6. MoEF&CC Notification S.O. 1807(E), Dt: 12.04.2022.
7. MoEF&CC O.M. Dt:13.12.2022.
8. The Scheme of mining is as follows

**Scheme -2**

  
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Sl No	Year	Proposed Production quantity in M <sup>3</sup> as per EC			Actual Production quantity in M <sup>3</sup> as per EC			Approval of Scheme of Mining -II
		RoM	Production [10%]	Granite rejects	RoM	Production	Granite rejects	
1.	2017-2018	50028	5003	45025	-	-	-	Rc.Lr.No.2993/MM4 /2020, dt.13.07.2020
2.	2018-2019	50121	5012	45109	-	-	-	
3.	2019-2020	50221	5022	45199	-	-	-	
4.	2020-2021	46754	4675	42079	-	-	-	
5.	2021-2022	50154	5015	45139	-	-	-	
Total		247278	24727	222551	-NIL-	-NIL-	-NIL-	

Scheme 3

Sl No	Year	Proposed Production quantity in M <sup>3</sup> as per EC			Actual Production quantity in M <sup>3</sup> as per EC			Approval of Scheme of Mining -III
		RoM	Production [10%]	Granite rejects	RoM	Production	Granite rejects	
1.	2022-2023	50224	5022	45202	-	-	-	Rc.Lr.No.1175/MM4/2022, dt.08.03.2022
2.	2023-2024	46754	4675	42079	-	-	-	
3.	2024-2025	50149	5015	45134	-	-	-	
4.	2025-2026	50031	5003	45028	-	-	-	
5.	2026-2027	50118	5012	45106	-	-	-	
Total		247276	24727	222549	NIL	NIL	NIL	

9. The Total quantity of RoM does not exceed with 247278 M<sup>3</sup> and 10% of recovery –24727m<sup>3</sup>. The annual peak production 50224 m<sup>3</sup>- ROM & 5022 M<sup>3</sup> of Black granite (1<sup>st</sup> year) with an ultimate depth of 30m from AGL.

  
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Based on the presentation and details furnished by the project proponent, SEAC after detailed discussions decided to confirm that the validity of the EC is deemed to be extended up to 30 years/life of mine as per the MoEF & CC Notification S.O. 1807(E), Dt: 12.04.2022 & MoEF & CC O.M. Dt:13.12.2022.

**Agenda No: 347 –23**

**(FileNo.6688/2022)**


**Existing Limestone Quarry over an extent of 7.330 Ha by M/s. India Cements Limited at S.F.No. 382/1 & 3, 387/1 & 3, 512/1 & 3 in Ramayanpatti Village, Manur Taluk, Tirunelveli District, Tamil Nadu by M/s. India Cements Limited - For Extension of validity of the Terms of Reference issued under “Violation Category” (SIA/TN/MIN/ 294365 /2022 dated: 22.11. 2022)**

The proposal was placed in this 347<sup>th</sup> meeting of SEAC held on 13.01.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

**The SEAC noted the following**

1. The project proponent, M/s. India Cements Limited, has applied seeking Extension of validity for Terms of Reference under violation category for the Existing Limestone Quarry over an extent of 7.330 Ha by M/s. India Cements Limited at S.F.No. 382/1 & 3, 387/1 & 3, 512/1 & 3 in Ramayanpatti Village, Manur Taluk, Tirunelveli District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category “B” – “Under Violation category” of item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006, as amended.
3. The Proponent applied seeking ToR to carry out the EIA study under violation vide application dated 06.04.2018.
4. ToR with public hearing for carrying out the EIA study under violation category was issued vide Lr No.SEIAA-TN/F.No.6688/Violation/TOR- 674/2019 Dated: 19.12.2019

  
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5. Now the proponent has applied online through PARIVESH web portal vide Proposal No. SIA/TN/MIN/ 294365/2022 dated: 22.11.2022 for the extension of validity of ToR with all required documents.

The Committee noticed that the project proponent, meanwhile, has filed application seeking Environmental Clearance along with final EIA report and other supporting documents. Hence the SEAC decided to appraise the project proposal for Environmental Clearance in the ensuing meeting.

**Agenda No: 347-24**


**(File No.6689/2022)**


**Existing Limestone Quarry over an extent of 28.430 Ha. S.F.No.380, 381, 383-386, 388/1 & 3, 389-392, 510, 511, 513 & 514 in Ramayanpatti Village, Manur Taluk, Tirunelveli District, Tamil Nadu by M/s. The India Cements Limited for extension of validity for the Terms of References "Under Violation".(SIA/TN/MIN/294342/2022 dated: 22.11.2022)**

The proposal was placed in this 347<sup>th</sup> Meeting of SEAC held on 13.01.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, **M/s. The India Cements Limited** has applied for Extension of validity for the Terms of References for the Existing Limestone Quarry over an extent of 28.430 Ha. S.F.No.380, 381, 383-386, 388/1 & 3, 389-392, 510, 511, 513 & 514 in Ramayanpatti Village, Manur Taluk, Tirunelveli District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation issued vide SEIAA Lr No. SEIAA-TN/F.No.6689/SEAC/TOR-675/2019 Dated: 19.12.2019.

During the meeting, the Proponent informed that he has already submitted the final EIA Report at the office of SEIAA in the month of January. Hence, the Committee after detailed discussion decided to consider the proposal in the ensuing meeting.

  
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**Agenda No: 347-25**

**(File No.6690/2022)**

**Existing Limestone quarry over an extent of 29.895 Ha at S.F.No.110, 172/1 & 174 of Sethurayanpudur Village, Manur Taluk, Tirunelveli District, Tamil Nadu by M/s. The India Cements Limited for Extension of validity for the Terms of References "Under Violation". (SIA/TN/MIN/294381/2022 dated: 22.11.2022)**

The proposal was placed in this 347<sup>th</sup> Meeting of SEAC held on 13.01.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, **M/s. The India Cements Limited** has applied for Extension of validity for the Terms of References for the Existing Limestone quarry over an extent of 29.895 Ha at S.F.No.110, 172/1 & 174 of Sethurayanpudur Village, Manur Taluk, Tirunelveli District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR under violation issued vide SEIAA Lr. No.SEIAA-TN/F.No.6690/Violation/ToR-676/2019, dated: 19.12.2019.

During the meeting, the Proponent informed that he has already submitted the final EIA Report at the office of SEIAA in the month of January. Hence, the Committee after detailed discussion decided to consider the proposal in the ensuing meeting.

**Agenda No: 347-26**

**(File No: 6709/2022)**

**Existing Black granite and Granitic Gneiss quarry lease over an extent of 16.54.0 Ha at Survey No:287 (Panchappalli) & 19 (Namandahalli) Panchappalli & Namandahalli Village, Palacode Taluk, Dharmapuri District, Tamil Nadu by M/s .TAMIL NADU MINERALS LIMITED- For Terms of Reference (SIA/TN/INFRA2/92047/2019, dated 19.01.2019 -EC)**

The proposal was placed in this 347<sup>th</sup> meeting of SEAC held on 13.01.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The Project Proponent made a detailed presentation

  
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before the Committee.

**The SEAC noted the following:**

1. The project proponent, M/s.TAMIL NADU MINERALS LIMITED has **applied seeking Environmental Clearance** for the Existing Black granite and Granitic Gneiss quarry lease over an extent of 16.54.0 Ha at Survey No:287 (Panchappalli) & 19 (Namandahalli), Panchapalli & Namandahalli Village, Palacode Taluk, Dharmapuri District, Tamil Nadu under B2 category.
2. EC issued vide SEIAA Lr. No. SEIAA-TN/F.No.778/EC/1(a)/25014/20143 dated 01.12.2015.
3. Now the PP stating that the project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended, **has requested for ToR.**
4. The recoverable production as per mining plan is 16,253 m<sup>3</sup> of Black Granite, RoM- 1,62,533 m<sup>3</sup> , Granite Rejects - 1,46,281 m<sup>3</sup> and Granitic genesis for making M-sand- 20,18,784 m<sup>3</sup> in 5 years to a proposed depth of 30m.

Based on the presentation made by the proponent, SEAC recommended to grant of **Terms of Reference (TOR) with Public Hearing** subject to the following TORs in addition to the standard terms of reference for EIA study for non-coal mining projects and details issued by the MOEF & CC to be included in EIA/EMP Report:

1. The Proponent shall develop greenbelt and garland drain around the boundary of the proposed quarry and the photographs indicating the same shall be shown during the EIA appraisal.
2. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
3. The structures within the radius of (i) 100 m, (ii) 300 m, and (iii) 500 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
4. The Proponent shall submit a conceptual 'Slope Stability Assessment' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the proposed working is extended beyond 30 m below ground level.

  
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5. The Proponent shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
6. The Proponent shall present a conceptual design for carrying out only controlled blasting operation involving line drilling in the proposed quarry such that the blast-induced ground vibrations are controlled.
7. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
8. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
  - a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
  - b. Quantity of minerals mined out.
  - c. Highest production achieved in any one year
  - d. Detail of approved depth of mining.
  - e. Actual depth of the mining achieved earlier.
  - f. Name of the person already mined in that leases area.
  - g. If EC and CTO already obtained, the copy of the same shall be submitted.
  - h. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
9. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
10. The Proponent shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,

11. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
12. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
13. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
14. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
15. The Proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
16. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
17. Rain water harvesting management with recharging details along with water

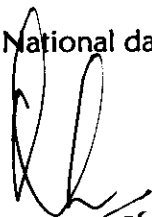
  
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balance (both monsoon & non-monsoon) be submitted.

18. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
19. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
20. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
21. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
22. Impact on local transport infrastructure due to the Project should be indicated.
23. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.,) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
24. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
25. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
26. The Public hearing advertisement shall be published in one major National daily and one most circulated vernacular daily.

  
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27. The Proponent shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
28. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
29. The purpose of Greenbelt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **Appendix-I** in consultation with the DFO, & Tamil Nadu Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
30. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
31. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
32. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
33. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
34. Public health implications of the Project and related activities for the population

  
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in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.

35. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

36. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.

37. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.

**Table Agenda No: 347- TA 01**

**(File No: old F.No. 513/ New: 8570/2021)**

**Proposed Existing Educational Institution under Violation Category at S.F. No. 49 to 59, 60/1B, 60/1C, 62/1, 62/2, 62/4A, 63/1, 64/1A, 64/1B, 64/3A, 64/3B, 64/4, 65, 66, 67, 68 to 77, 79 to 82, 83/2, 84/1A, 84/1B, 84/2A, 84/2B, 85, 86/1, 86/2, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 121/1, 121/2, 121/3, 121/4A, 121/4B, 122/1A, 122/1B, 122/2, 123/1, 123/2, 128/1A1, 128/1A2, 128/2, 128/3, 129/2A, 129/2B, 130/1, 130/2, 131 to 151, 153 to 158, 159/1, 159/2A, 161/1, 161/2, 162, 169/2, 169/3A, 169/3B, 170/1, 197/1A, 198/2B1, 198/3, 198/4A & 198/4B of Kalavakkam Village and Survey Nos. 1034, 1035, 1036, 1037, 1038, 1039, 1040/1B, 1040/2B, 1041, 1046, 1047, 1048, 1226, 1227/2A, 1227/2B, 1228, 1234, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247/1C, 1247/2, 1248/1C, 1248/2, 1395C/1A1, 1395C/2A, 1395C/4B, 1415 of Thaiyur B Village, Tiruporur Taluk, Chengalpattu District, Tamil Nadu by M/s. SSN Trust – Clarification Sought – Reg (SIA/TN/MIS/63910/2021, dated: 15.06.2021).**

The proposal was placed in this 347<sup>th</sup> meeting of SEAC held on 13.01.2023.

SEAC noted the following:

1. Earlier, the proponent, M/s. SSN Trust has applied seeking Terms of Reference for the existing educational institution under violation at S.F.No. 49 to 59, 60/1B, 60/1C, 62/1, 62/2, 62/4A, 63/1, 64/1A, 64/1B, 64/3A, 64/3B, 64/4, 65, 66, 67, 68

  
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to 77, 79 to 82, 83/2, 84/1A, 84/1B, 84/2A, 84/2B, 85, 86/1, 86/2, 87/1, 87/2, 118/1A, 118/1B1, 118/2A, 118/2B, 119, 120, 121/1, 121/2, 121/3, 121/4A, 121/4B, 122/1A, 122/1B, 122/2, 123/1, 123/2, 128/1A1, 128/1A2, 128/2, 128/3, 129/2A, 129/2B, 130/1, 130/2, 131 to 151, 153 to 158, 159/1, 159/2A, 161/1, 161/2, 162, 169/2, 169/3A, 169/3B, 170/1, 197/1A, 198/2B1, 198/3, 198/4A & 198/4B of Kalavakkam Village and Survey Nos. 1034, 1035, 1036, 1037, 1038, 1039, 1040/1B, 1040/2B, 1041, 1046, 1047, 1048, 1226, 1227/2A, 1227/2B, 1228, 1234, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247/1C, 1247/2, 1248/1C, 1248/2, 1395C/1A1, 1395C/2A, 1395C/4B, 1415 of Thaiyur B Village, Tiruporur Taluk, Chengalpattu District, Tamil Nadu

2. The project/activity is covered under Category "B" of item 8(b) "Townships and Area Developments Projects" of the Schedule to the EIA Notification, 2006.

3. The details of built area is furnished as follows:

Existing built up area constructed before 2006	- 68,830.85 Sq.m
Existing built up area constructed after 2006	- 1,49,799.75 Sq.m
Built up area ( Existing )	- 2,18,630.6 Sq.m
Built up area (Proposed)	- 53,853 Sq.m
Total Built up area	- 2,72,483.30 Sq.m

4. ToR was accorded to M/s.SSN Trust by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.513/Violation/ToR-1146/2022 dated.10.05.2022 for the existing built up area of 2,18,630.6 Sq.m only.

5. Now, authority in its 583<sup>rd</sup> meeting held on 19.01.2023, has sought clarification from SEAC as follows:

The Authority noted that Terms of Reference under violation was issued to M/s. SSN Trust vide Lr.No.SEIAA-TN/F.No.513/Violation/ToR-1146/2022 dated:10.05.2022 for the existing built up area of 2,18,630.6 Sq.m. Now the proponent vide letter dated.10.01.2023 has requested for clarification on the proposed built up area of 53,853 Sq.m as follows:

*"For the proposed construction of new buildings for the built up area of 53853 Sqm, we are under the impression as per the Recent MoEF&CC Notification our proposed buildings is exempted for obtaining environmental clearance from*

  
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SEIAA /MoEF&CC and same has been confirmed by the recent High Court Judgment dated 14.12.2022 in the W.P.No.467 of 2022 between Isha foundation Vs Union of India. the high court has clearly confirmed the Retrospective operation of the MoEF& CC Notification.

Recently MoEFCC vide notification dated 19th May 2022 have issued clarification on the applicability of EIA notification 2006 for Educational Institution mentioning "Ministry has decided that the exemption provided for educational institution vide Ministry's Notification No. S.O. 3252 (E) dated 22.12.2014 shall be applicable to all educational institutions under the definition of educational institutions as mentioned in the Noise pollution (Regulation and control) Rules, 2000".


The MoEFCC Notification dated 22<sup>nd</sup> December 2014 have already exempted the institutional development from getting Environmental Clearance and further clarification was issued vide Office memorandum dated 09<sup>th</sup> June 2015. Under EIA Notification for only construction 8 a category.

The above notifications from MoEF&CC & High court Judgment is clearly understood all the educational institutions has been exempted from obtaining environmental clearances irrespective of the category.

In this above we request SEIAA to kindly clarify, the applicability of environmental clearance with respect to the educational institution for our proposed education institution construction."

In view of the above, the authority after detailed discussions decided to forward the request to SEAC for seeking views on the request of PP.

The Committee carefully examined the request of PP in the light of MoEF&CC Notification S.O.3252 (E) dated.22.12.20214 and O.Ms dated 09.06.2015 & 19.05.2022. The Committee noted that the proposed built-up area is 53853 Sq.m and decided to confirm that the proposed activity exempted from obtaining EC as per the existing MoEF&CC Notifications. However, the ToR under violation granted for the existing built-up area of 2,18,630.6 Sq.m remains unchanged and unaltered.

  
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