

**STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU**

Minutes of the Meeting of 289<sup>th</sup> State Expert Appraisal Committee (SEAC) held on 24<sup>th</sup> June 2022 ( Friday) at SEIAA Conference Hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for appraisal of Building and Construction Projects, Townships and Area Development Projects & Mining Projects through online and offline mode.

Agenda No: 289-1

(File No: 8797/2021)

Proposed Rough stone quarry lease over an extent of 2.50.5 Ha in S.F.No: 106/1,106/2,106/3, 153/1,153/2,153/3 & 155/1A, Shenkulam Village, Palayamkottai Taluk, Tirunelveli District, Tamil Nadu by Tmt.S.Saheela Suresh - For Environmental Clearance. (SIA/TN/MIN/229717/2021 Dt.16.09.2021)

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Tmt.S.Saheela Suresh has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 2.50.5 Ha in S.F.Nos: 106/1,106/2,106/3, 153/1,153/2,153/3 & 155/1A, Shenkulam Village, Palayamkottai Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of Five years. The total production for 5 years not to exceed 304522 m<sup>3</sup> of Rough stone, 21208m<sup>3</sup> of weathered Rock & 22766m<sup>3</sup> of Gravel. The annual peak production as per mining plan is 73642 m<sup>3</sup> of Rough stone (1<sup>st</sup> year), 8880m<sup>3</sup> of weathered Rock(2<sup>nd</sup> year) & 9672m<sup>3</sup> of Gravel (2<sup>nd</sup> year) with proposed depth of 44m.

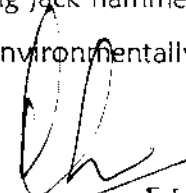
  
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Based on the presentation made by the proponent and considering safety point of view, SEAC recommended to remove the last bench in the section - XY-EF. Accordingly decided to **recommend the proposal for the grant of Environmental Clearance for the production 301772 m<sup>3</sup> of Rough stone, 21208m<sup>3</sup> of weathered Rock & 22766m<sup>3</sup> of Gravel with ultimate depth – 44m, subject to the standard conditions as per the Annexure I of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:**

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.
2. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. The PP shall furnish slope stability action plan for the planned working/ultimate benches as the depth of the proposed quarry is exceeding 40 m. before obtaining CTO from TNPCB.
4. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.
5. The highwall of common barrier located in the section of E-F shall be strengthened by constructing the benches of adequate width of not less than 5 m.
6. The PP shall ensure that only controlled blasting operation involving line drilling and muffle blasting is carried out in the quarry such that no fly rock travel beyond 30 m from the blast site.
7. The PP shall carry out maximum of two rounds of controlled blast only per day, restricted to the maximum of 50 Nos of holes per round with maintaining maximum charge per delay of not exceeding 0.375 kg/round using jack hammer drilled holes (32-34 mm dia & 1.5 m length) to ensure the environmentally

  
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acceptable blasting operation. The PP shall also ensure an interval of atleast 30 minutes is maintained between these rounds of blast.

8. The PP shall carry out the scientific studies to assess the slope stability of the benches and quarry wall when the depth of the quarry touches 40 m. by involving a reputed Research and Academic Institution such as NIRM, IITs, NITs, Anna University Chennai-CEG Campus, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.
9. 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 adhere EMP furnished.
10. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the Panchayat Union Middle Class School, Sengulam, Palayamkottai (Rural) Tirunelveli District, as committed, before obtaining CTO from TNPCB.

**Agenda No: 289-02**

**(File No: 8852/2021)**

**Proposed Expansion of Residential complex Ashiana Shubham developed at S.F.Nos: 381/1A, 381/1B1, 381/1B2, 381/3A, 381/3B, 381/3C, 383/1A, 383/1B, 383/1C, 383/3, 384 Pt., 386 Pt., 389/4A, 389/4D1 Pt., 383/2B1, 383/2B2, 383/2B3, 390/2B4, 390/3A, 390/3B, 390/4, 390/5, 390/6A, 390/6B, 390/7A, 390/7B, 390/8, 394/1, 394/10A, 394/10B, 394/11A, 394/11B, 394/12, 394/14A, 394/14B1, 394/14B2, 394/14B3A, 394/14B3B, 394/2A, 394/2B, 394/2C, 394/2D, 394/2E, 394/2F, 394/3, 394/4, 394/5A&B2, 394/5B, 394/6, 394/8A, 394/8B1, 394/9, 389/4A, 384, 385, 386, 387, 390/3A, 390/3B of Sengundram Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu by M/s. Escapade Real Estate Private Limited - For Environmental Clearance. (SIA/TN/MIS/232358/2021 Dt. 02.09.2021)**

The proposal was placed in 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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. Escapade Real Estate Private Limited has applied for

  
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Environmental Clearance for the proposed Expansion of Residential complex Ashiana Shubham developed at S.F.No: 381/1A, 381/1B1, 381/1B2, 381/3A, 381/3B, 381/3C, 383/1A, 383/1B, 383/1C, 383/3.384 Pt, 386 Pt, 389/4A, 389/4D1 Pt, 383/2B1, 383/2B2, 383/2B3, 390/2B4, 390/3A, 390/3B, 390/4, 390/5, 390/6A, 390/6B, 390/7A, 390/7B, 390/8, 394/1, 394/10A, 394/10B, 394/11A, 394/11B, 394/12, 394/14A, 394/14B1, 394/41B2, 394/14B3A, 394/14B3B, 394/2A, 394/2B, 394/2C, 394/2D, 394/2E, 394/2F, 394/3, 394/4, 394/5A&B2, 394/5B, 394/6, 394/8A, 394/8B1, 394/9, 389/4A, 384, 385, 386, 387, 390/3A, 390/3B of Sengundram Village, Chengalpattu Taluk, Chengalpattu District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. M/s. Escapade Real Estate Private Limited has obtained EC vide letter No.SEIAA/TN/F.3814/EC/8(a)/435/2015 dated 18.12.2015.
4. The Project Proponent has obtained Certified Compliance report from MoEf&CC Regional office(South Eastern Zone) vide F.No.EP/12.1/SEIAA/2016-17/49/TN dated 10.01.2022.
5. Earlier, this proposal was placed in 254<sup>th</sup> SEAC meeting held on 17.03.2022 and SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the certain conditions as stated therein.

Subsequently this proposal was placed in 498<sup>th</sup> SEIAA meeting held on 8.4.2022. After detailed discussions, the Authority noted that E- Mail message enclosed with a letter dated 01.04.2022 has been received from DEE, TNPCB, MMN on 01.04.2022 regarding a pending court case before Hon'ble NGT( SZ) in its order dated 15.03.2022 regarding the unit of M/s Escapade Real Estate Ltd at Senkundram Village, Chengalpattu. In this regard, the Authority decided to refer back the proposal to SEAC for re-examining the pending court case as stated above.

This proposal was again placed in 289<sup>th</sup> meeting of SEAC held on 24.06.2022. The PP has made the representation covering the points as sought by the SEIAA. After

  
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detailed deliberation, SEAC decided that as it is a legal issue, SEIAA may take decision based on the outcome in the pending case before the Hon'ble NGT(SZ).

Agenda No: 289-3


(File No: 8874/2021)

Proposed construction of a commercial development (IT/ITES ) at S.No. 109/1A1, 109/1A2, 109/1A3, 109/1B, 109/2A, 109/2B, 109/3, 109/3A2, 109/3A3, 114/5C, 115/2C, 116/3, 116/4B, 116/5, 116/4B2, 116/8A, 116/8B, 116/11, 116/12A, 116/12B, T.SNo. 5/1, 6/1, 9/1, 9/2, 10, 11/1, 11/2, 13, 15, 17, 18, 19, 20, 21/1, 21/2, 21/3, 21/4, 21/5, 21/6, 21/7, 21/8, 21/9, 21/10, 21/11, 21/12, 21/13, 21/14, 21/15, 22, 23, 35/1, 35/2, 36, Zamin Pallavaram Village, Ward C, Block 26, Pallavaram Taluk, Kancheepuram District, Tamilnadu by M/s.Brigade Enterprises Limited - For Environmental Clearance (SIA/TN/MIS/165441/2021 Dt.7.3.2022)

The proposal was placed in this 289th SEAC Meeting held on 124.6.2022.The project proponent gave detailed presentation. 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.Brigade Enterprises Limited has applied for Environmental Clearance for the proposed construction of a commercial building at S.No. 109/1A1, 109/1A2, 109/1A3, 109/1B, 109/2A, 109/2B, 109/3, 109/3A2, 109/3A3, 114/5C, 115/2C, 116/3, 116/4B, 116/5, 116/4B2, 116/8A, 116/8B, 116/11, 116/12A, 116/12B, T.SNo. 5/1, 6/1, 9/1, 9/2, 10, 11/1, 11/2, 13, 15, 17, 18, 19, 20, 21/1, 21/2, 21/3, 21/4, 21/5, 21/6, 21/7, 21/8, 21/9, 21/10, 21/11, 21/12, 21/13, 21/14, 21/15, 22, 23, 35/1, 35/2, 36, Zamin Pallavaram Village, Ward C, Block 26, Pallavaram Taluk, Kancheepuram District, Tamilnadu.
2. The project/activity is covered under Category "B" of Item 8(a) " Building and Construction projects " of the Schedule to the EIA Notification, 2006.

  
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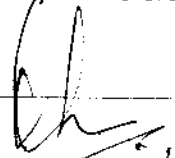
3. The total land area available for the project is 20,525 Sq.m and the total built-up area of the building proposed is 1,48,462 Sq.m. The proposed building comprises of 2 Towers for IT/ITES office space and a MLCP Tower (Tower 1 & 2 - Combined Lower & Upper Basements, G+12 floors and Tower 3 (MLCP) - Basement, G+5 floors).
4. Earlier, the proposal was placed in 255th SEAC Meeting held on 18.3.2022, based on the presentation and document furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance, subject to the certain conditions as stated therein.

Subsequently this proposal was placed in 499th SEIAA meeting held on 11.04.2022 & 12.04.2022. After detailed discussions the Authority decided to refer back the proposal for the reasons as stated therein.

This proposal has again been placed before 289<sup>th</sup> SEAC meeting held on 24.6.2022. The PP has made the representation along with details sought by SEIAA is as follows.

Sl.No	SEIAA query	Reply furnished by the PP
a)	It was noted that none of the S.F.Nos. quoted in the EC application filed by M/s.Brigade Enterprises Limited appear in the NOC issued by the Airport Authority of India.	We wish to inform you that the proposed project site falls under Pallavaram Municipal limits at present wherein Town Survey (TS) numbers are allocated for the Old Revenue Survey (RS) numbers as per the latest municipal town survey register. The evidence for the same has been submitted to SEIAA in our application vide the Power of Attorney (PoA) obtained from the Land owners for project development (please refer the schedule to the PoA). In addition to this, we are submitting herewith the copies of the extract from the Town Survey Register indicating the current Town Survey (TS) numbers along with the corresponding Old Revenue Survey (RS) numbers for your reference as Annexure I.

  
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		The NOC issued by the Airport Authority of India for our project site indicates our Town Survey (TS) numbers only. But our EC application contains both the Revenue Survey (RS) numbers as well as our Town Survey (TS) numbers.																
b)	Many of the T.S.Nos. mentioned in the EC application do not find a place in the said NOC. Also mismatch in the T.S.Nos noticed.	<p>We wish to state that we have obtained the NoC from AAI in the name of land owner M/s. Agni Estates and Foundations Pvt. Ltd. to know the permissible top elevation in the project site. Furthermore, due to the limitations in the number of entry characters (500) in the online application portal, we could not type in the entire T.S. Nos. in the respective column of the portal. Also, we wish to state that the heights of the proposed buildings are within the permissible top elevation prescribed in the NoC issued by AAI as follows:</p> <table border="1"><thead><tr><th>Project Component (Buildings)</th><th>No. of Floors</th><th>Maximum height of the building (including lightening arrestors and site elevation)</th><th>Permissible Top Elevation (in m) as per the NoC issued by AAI</th></tr></thead><tbody><tr><td>Tower 1 IT/ITES (Block 3 as per AAI NoC)</td><td>G+12 Floors</td><td>66.8 m</td><td>70.4 m</td></tr><tr><td>Tower 2 IT/ITES (Block 4 as per AAI NoC)</td><td>G+12 Floors</td><td>66.8 m</td><td>72.15 m</td></tr><tr><td>Tower 3 MLCP (Block 5 as per AAI NoC)</td><td>G+5 Floors</td><td>31.30 m</td><td>75.36 m</td></tr></tbody></table>	Project Component (Buildings)	No. of Floors	Maximum height of the building (including lightening arrestors and site elevation)	Permissible Top Elevation (in m) as per the NoC issued by AAI	Tower 1 IT/ITES (Block 3 as per AAI NoC)	G+12 Floors	66.8 m	70.4 m	Tower 2 IT/ITES (Block 4 as per AAI NoC)	G+12 Floors	66.8 m	72.15 m	Tower 3 MLCP (Block 5 as per AAI NoC)	G+5 Floors	31.30 m	75.36 m
Project Component (Buildings)	No. of Floors	Maximum height of the building (including lightening arrestors and site elevation)	Permissible Top Elevation (in m) as per the NoC issued by AAI															
Tower 1 IT/ITES (Block 3 as per AAI NoC)	G+12 Floors	66.8 m	70.4 m															
Tower 2 IT/ITES (Block 4 as per AAI NoC)	G+12 Floors	66.8 m	72.15 m															
Tower 3 MLCP (Block 5 as per AAI NoC)	G+5 Floors	31.30 m	75.36 m															

  
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		NoC)		
c)	Furthermore, the applicant has furnished 3 different NOCs for the same project wherein the permitted elevation from mean sea level varies.	<p>We wish to state the variation of the permissible top elevation is based on the location of project site and Airport. The permissible elevation will increase whenever the location is away from the Airport and the permissible elevation will decrease whenever the location is closer to the Airport.</p> <p>We wish to state that the variation in the permitted elevations mentioned in the three NOCs issued to us is based on the radial zone distance from the Chennai Airport Runway. These are the regulatory criteria adopted by Airports Authority of India based on which our NoC was issued. The same if required may be verified by SEIAA in the AAI portal (permissible top elevation level for buildings) from online system for Height clearance for buildings and structures around civil airports by Airports Authority of India in its official website link (<a href="https://nocas2.aai.aero/nocas/index.html">https://nocas2.aai.aero/nocas/index.html</a>).</p> <p>The copy of screenshot from the above said official website showing the permissible top elevation at different locations within the proposed project site is enclosed.</p>		
d)	The applicant name in the application is different from the NOC furnished.	<p>It may be noted from our application submitted to SEIAA that we, M/s. Brigade Enterprises Limited has the Power of Attorney from the land owners for this project development. The NoCs obtained from the Airports Authority of India were taken in the name of our land owners for the same land. Hence the EC applicant name is different from the Airport NoC furnished.</p>		

Apart from the above, the PP has also stated that the NoC issued by AAI will be verified by the concerned planning authority (CMDA) while issuing plan approval prior to the building construction as well as during the issuance of completion certificate post completion of construction of the buildings and there is no room for any deviations in this aspect as there are two competent authorities (AAI & CMDA) involved in ensuring

  
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the permissible heights of buildings before and after construction. Based on the presentation and documents furnished by the project proponent, **SEAC decided to confirm the recommendation already made in 260<sup>th</sup> SEAC meeting held on 1.4.2022.**

**Agenda No: 289-4**

**(File No: 8797/2021)**

**Proposed Rough stone quarry lease over an extent of 4.27.0 Ha S.F.No. 76/1A, 76/2, 76/4A, 76/6A, 76/7, 76/8A, 76/8B, 76/9, 76/10, 76/11, 76/12, 77/1, 77/2, 77/3 & 77/4, Palayaseevaram-B Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu by Thiru.M.Antony Gomez - For Environmental Clearance. (SIA/TN/MIN/253470/2022 Dt. 27.01.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru.M.Antony Gomez has applied for Environmental Clearance for the Rough stone quarry lease over an extent of 4.27.0 Ha in S.F.Nos: S.F.No. 76/1A, 76/2, 76/4A, 76/6A, 76/7, 76/8A, 76/8B, 76/9, 76/10, 76/11, 76/12, 77/1, 77/2, 77/3 & 77/4, Palayaseevaram-B Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of Five years. The total production for 5 years not to exceed 360750 m<sup>3</sup> of Rough stone, 66875m<sup>3</sup> of weathered Rock & 26750m<sup>3</sup> of Gravel. The Annual peak production as per mining plan is 91670 m<sup>3</sup> of Rough stone (3<sup>rd</sup> year), 63440m<sup>3</sup> of weathered Rock(1<sup>st</sup> year) & 25376m<sup>3</sup> of Gravel (1<sup>st</sup>year) with proposed depth of 47m.

Based on the presentation made by the proponent, SEAC noted that earlier this proposal was placed in 234<sup>th</sup> SEAC meeting held on 22.9.2021 and based on the subcommittee

  
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recommendations, the then SEAC decided to recommend the proposal subject to the certain conditions. PP however decided to withdraw the proposal. After the withdrawal proposal was accepted by the SEIAA in 479<sup>th</sup> SEIAA meeting held on 26.10.2021, the PP has now applied for EC for the same proposal without disclosing the past events. Therefore, SEAC has decided to call for the explanation of the PP as well as the consultant for not disclosing the relevant information and hiding the facts that are vital for examining the proposal.

**Agenda No: 289-5**

**(File No: 9109/2022)**

**Proposed multi coloured Granite quarry lease over an extent of 0.13.0 Ha in S.F.Nos 280/2, Perukkaranaï – 2 Village, Cheyyur Taluk, Kancheepuram District, Tamil Nadu by TVL.SKN Temple Architects and Sculptors - For Environmental Clearance. (SIA/TN/MIN/261828/2022 Dt.15.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, TVL.SKN Temple Architects and Sculptors has applied for Environmental Clearance for the proposed multi coloured Granite quarry lease over an extent of 0.13.0 Ha in S.F.Nos 280/2, Perukkaranaï – 2 Village, Cheyyur Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for One year. The mining plan is for the period of One year. The total production for One year not to exceed 547.5 m<sup>3</sup> Granite with proposed depth of 5.5m.

Based on the presentation made by the proponent, SEAC recommended to grant of Environmental Clearance for the production, subject to the standard conditions &

  
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normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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.
2. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
4. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
5. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
6. The Project proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which

  
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entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.

7. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
8. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
9. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
10. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
11. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
12. 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

  
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small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper spacing 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
14. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
16. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
18. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough

  
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stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
21. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
22. The Project proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
23. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
24. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD(Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
25. The Project proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project proponent liable for legal action in accordance with Environment and Mining Laws.

  
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26. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
27. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
28. 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 minute.
29. 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 adhere EMP furnished.
30. As accepted by the Project proponent the CER cost is Rs. 3 lakhs and the amount shall be spent for the committed activities in Panchayat Union Middle School, Puthur as committed, before obtaining CTO from TNPCB.

**Agenda No: 289-6**

**(File No: 9112/2022)**

**Proposed Construction of High Rise Building for Residential Development T.S.Nos.22/4-1A, 22/4-1B, 22/5A, 22/5B, 22/8-2, 23/2A2, 23/3, 23/4, 23/5, 24/5, 24/6-1, 24/6-2, 24/6-3, 27/13A2, Block No. 25, Ward – C & T.S.Nos.31, 33/1,33/2, 34, 61/2, 92, Block No. 26, Ward – C of Zamin Pallavaram Village, Pallavaram Taluk, Chengalpattu District, Tamil Nadu by M/s.NCC Urban Infrastructure Limited- For Environmental Clearance (SIA/TN/MIS/260710/2022 Dt.14.03.2022)**

The proposal was placed in this 289th SEAC Meeting held on 124.6.2022. The project proponent gave detailed presentation. 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.NCC Urban Infrastructure Limited has applied for


  
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Environmental Clearance for the proposed construction of of High Rise Building for Residential Development T.S.Nos.22/4-1A, 22/4-1B, 22/5A, 22/5B, 22/8-2, 23/2A2, 23/3, 23/4, 23/5, 24/5, 24/6-1, 24/6-2, 24/6-3, 27/13A2, Block No. 25, Ward – C & T.S.Nos.31, 33/1,33/2, 34, 61/2, 92, Block No. 26, Ward – C of Zamin Pallavaram Village, Pallavaram Taluk, Chengalpattu District, Tamil Nadu.

2. The project/activity is covered under Category "B" of Item 8(a) " Building and Construction projects " of the Schedule to the EIA Notification, 2006.
3. The total land area available for the project is 33,566.47 Sq.m and the total built-up area of the building proposed is 149058.70 Sq.m.
4. The proposed building comprises of Combined Extended Second Basement floor for Block E & F; Combined Extended First Basement floor for Block A & B and C to G (LIG); Combined Stilt floor for Block A & B and C to G (LIG); Combined 1st floor for Block A& B for Parking; Block-A consisting of Single Basement floor + Stilt floor + 1st floor (Parking) + 2nd floor to 16th floor with 50.15m height (FGL to roof top) Residential Building with 90 dwelling units; Block-B consisting of Single Basement floor + Stilt floor + 1st floor (Parking) + 2nd floor to 16th floor with 50.15m height (FGL to roof top) Residential Building with 120dwelling units; Block-C consisting of Single Basement floor + Stilt floor + 17 floors with 53.10m height (FGL to roof top) Residential Building with 136 dwelling units; Block-D consisting of Single Basement floor + Stilt floor + 17 floors with 53.10m height (FGL to roof top) Residential Building with 136 dwelling units; Block-E consisting of Double Basement floor + Stilt floor + 17 floors with 53.10m height (FGL to roof top) Residential Building with 136 dwelling units; Block-F consisting of Double Basement floor + Stilt floor + 18 floors with 56.05m height (FGL to roof top) Residential Building with 144 dwelling units; Block-G (LIG) consisting of Single Basement floor + Stilt floor + 18 floors with 56.05m height (FGL to roof top) Residential Building with 162 dwelling units; Block-H (Club House) (NHRB) consisting of Ground floor + 2 floors with 17.10m height (FGL to roof top) for Super Market, Banqueted Hall, Gym.

  
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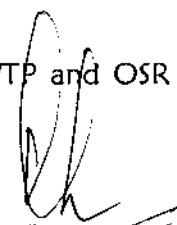
Indoor Games, SPA, Badminton court; totally 924 dwelling units.

Based on the presentation made and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance subject to the following specific conditions, in addition to standard conditions stipulated by MOEF &CC:

1. The building shall conform to minimum of IGBC Platinum green building norms and shall obtain IGBC certificate in this regard before obtaining CTO from TNPCB.
2. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body for before obtaining CTO.
3. The project proponent shall provide GWTP of capacity – 425 KLD & STP of capacity 250 KLD and treated water shall be utilized for flushing, green belt and avenue plantation after obtaining necessary permission from competent Authority.
4. The PP shall analyse the treated wastewater samples periodically through TNPCB.
5. The treated/untreated sewage water shall not be let-out from the unit premises.
6. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor within the project site as committed and non- bio-degradable waste to should be sent to authorized recyclers as committed.
7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
8. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc, to TNPCB before obtaining CTO.
9. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
10. The sludge generated from the sewage treatment plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
11. The proponent shall provide the separate wall between the STP, GWTP and OSR area as per the layout furnished and committed.

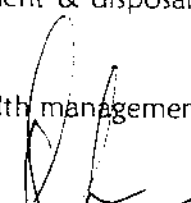
  
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12. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **Appendix**, in consultation with the State Forest and Horticulture Departments. 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.
13. 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.
14. The proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
15. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
16. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
17. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
18. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in air, noise, solid waste disposal, sewage treatment & disposal etc., shall be followed strictly.
19. The project proponent shall furnish commitment for post-COVID health management

  
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for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.

20. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring of the health of construction workers during COVID and post-COVID period.
21. The project proponent shall measure the criteria air pollutants data (including CO) due to vehicular traffic again before getting consent to operate from TNPCB and submit a copy of the same to SEIAA.
22. Generation of the solar/renewable energy should not be less than 50% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
23. The grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
24. The PP shall construct a 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.
25. 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 include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.

  
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26. The Project Proponent stated that an amount Rs. 4.60 Crore shall be spent as CER. Out of it Rs. 3.12 crore shall be spent for development of Pallikaranai marshland and Rs. 1.48 crore for Ramanathapuram Wild Life Division before obtaining CTO from TNPCB.

**Agenda No: 289-7**

**(File No: 9114/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 1.10.0 Ha in S.F.Nos 470 (P) Panappatti Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu by Tmt V.Nirmaladevi - For Environmental Clearance. (SIA/TN/MIN/262550/2022 Dt. 19.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

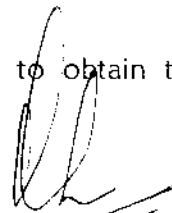
**The SEAC noted the following:**

1. The project proponent, Tmt V.Nirmaladevi has applied for Environmental Clearance for the proposed Rough stone & gravel quarry lease over an extent of 1.10.0 Ha in S.F.Nos 470 (P) Panappatti Village, Kinathukadavu Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 78048 m<sup>3</sup> Rough stone & 4676 m<sup>3</sup> of Gravel. The annual peak production 29548 m<sup>3</sup> Rough stone (1<sup>st</sup> year) & 4676 m<sup>3</sup> of Gravel (1<sup>st</sup> year) with ultimate depth of 42m.

Based on the presentation made by the proponent, SEAC decided to obtain the following details from the PP.

  
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1. The PP shall furnish the certified compliance report from MoEF&CC/TNPCB on the existing EC issued.
2. The PP shall furnish the letter received from DFO concerned stating the proximity details of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site

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

**Agenda No: 289-8**

**(File No: 9115/2022)**

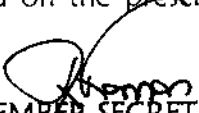
**Proposed Rough stone & gravel quarry lease over an extent of 3.37.2 Ha in S.F.No 35/2(Part), 36/1, 43/1 and 44/2 Vadavallanadu Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu by Thiru. V. Palanikumar - For Environmental Clearance. (SIA/TN/MIN/262587/2022 Dt. 19.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru. V. Palanikumar has applied for Environmental Clearance for the proposed Rough stone & gravel quarry lease over an extent of 3.37.2 Ha in S.F.No 35/2(Part), 36/1, 43/1 and 44/2 Vadavallanadu Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 389813 m<sup>3</sup> Rough stone, 76521m<sup>3</sup> of Weathered Rock & 53502 m<sup>3</sup> of Gravel. The Annual peak production 91000 m<sup>3</sup> Rough stone (4<sup>th</sup> year), 38880m<sup>3</sup> of Weathered Rock (3<sup>rd</sup> year) & 27000 m<sup>3</sup> of Gravel (3<sup>rd</sup> year) with ultimate depth of 37m.

Based on the presentation made by the proponent and considering safety point of

  
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view, SEAC recommended to remove the last bench in the section of XIY1-CD and accordingly recommended the proposal for grant of Environmental Clearance for the production of 376538m<sup>3</sup> of rough stone, 76521 m<sup>3</sup> of Weathered Rock and 53502m<sup>3</sup> of Gravel during the first five years with an annual peak production 91000 m<sup>3</sup> Rough stone, 38880m<sup>3</sup> of Weathered Rock & 27000 m<sup>3</sup> of Gravel by restricting the ultimate depth to 32m, subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.
3. The PP shall carry out the avenue plantation along the haul roads where the transportation of mineral is planned before obtaining the CTO from TNPCB.
4. The PP shall furnish slope stability action plan for the planned working of the proposed quarry, before obtaining CTO from TNPCB.
5. The PP shall ensure that only controlled blasting operation involving muffle blasting is carried out in the quarry such that no fly rock travel beyond 30 m from the blast site.
6. 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 adhere EMP furnished.
7. The Vallanadu Black Buck Sanctuary is located within 10km from the project site, hence the PP shall remit Rs. 10 lakh to the DFO, Thoothukudi for carrying out conservation measures.

Agenda No: 289-9

  
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(File No: 9117/2022)

**Proposed Multi colour Granite quarry lease over an extent of 1.66.0 Ha in S.F.No 71/2, Alampatti Village, Sattur Taluk, Virudhunagar District Tamil Nadu by Tvl.Amman Granites - For Environmental Clearance. (SIA/TN/MIN/261782/2022 Dt.16.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Tvl.Amman Granites has applied for Environmental Clearance for the proposed Multi colour Granite quarry lease over an extent of 1.66.0 Ha in S.F.No 71/2, Alampatti Village, Sattur Taluk, Virudhunagar District Tamil Nadu, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 20 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed ROM - 13910 m<sup>3</sup> & 4713 m<sup>3</sup> of Granite. The annual peak production ROM - 2830m<sup>3</sup> (2<sup>nd</sup> year) & 849 m<sup>3</sup> of Granite (2<sup>nd</sup>year) with ultimate depth of 36m.

Based on the presentation made by the proponent, SEAC decided to recommend for **grant of Environmental Clearance**, subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


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.**
2. In the interest of safety and protecting the environment, the Project Proponent, in consultation with Mine Manager/Engineer of the quarry, shall comply with the Code

  
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- of Practice for safe operation and maintenance of Diamond Wire Saw Machine as recommended in the DGMS (Tech) Circular No. 02 of 2019 without any deviation.
3. The PP shall carry out atleast 200 Tree plantations & fencing around the mine lease area shall be completed before obtaining the CTO from TNPCB.
  4. The proponent shall mandatorily appoint the statutory Mines Manager and the Geologist/Mining Engineer in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Granite Conservation & Development Rules, 1999 respectively.
  5. The PP shall remove the loose stones existing within 5 m from the crest of the surface benches in the existing quarry before commencing the operation.
  6. The PP shall install the Solar panels around the quarry for utilizing the non-renewable source of energy during the life of the project.
  7. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
  8. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
  9. The Project proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which

  
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entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.

10. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.
11. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
12. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
13. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
14. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
15. 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


  
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small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

16. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper spacing 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
17. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
18. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
19. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
20. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
21. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road may not be

  
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damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

22. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
23. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
24. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
25. The Project proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
26. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
27. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD(Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.

  
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28. The Project proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project proponent liable for legal action in accordance with Environment and Mining Laws.
29. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation. if the project site attracts the NBWL clearance, as per the existing law from time to time.
30. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
31. 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 minute.
32. 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 adhere EMP furnished.
33. In order to strengthen the environmental aspects, the PP shall deposit Rs. 1 lakh annually to the account as stipulated by the Department of Mining Engineering, CEG Campus, Anna University, Chennai - 600025 for carrying out the 'Star Rating Valuation' of the quarry at the end of every year. Hence the PP shall allocate the budget amount of Rs. 1 lakh per annum towards the 'Star Rating' valuation in their EMP without deviation.
34. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the committed activities in Panchayat Union Middle School, Srikulam as committed, before obtaining CTO from TNPCB.

**Agenda No: 289-10**

**(File No: 9120/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 0.79.0 Ha in S.F.No 33/3 Esanatham Village, Aravakurichi Taluk, karur District, Tamil Nadu by Thiru.**

  
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R.Ravichandran - For Environmental Clearance. (SIA/TN/MIN/262827/2022  
Dt.22.03.2022)

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru. R.Ravichandran has applied for Environmental Clearance for the proposed Rough stone & gravel quarry lease over an extent of 0.79.0 Ha in S.F.No 33/3 Esanatham Village, Aravakurichi Taluk, karur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 57368 m<sup>3</sup> Rough stone & 4610 m<sup>3</sup> of Top Soil. The Annual peak production 12730 m<sup>3</sup> Rough stone (4<sup>th</sup> year) & 4610 m<sup>3</sup> of Top Soil (1<sup>st</sup> year) with ultimate depth of 25m.

Based on the presentation made by the proponent, SEAC recommended for grant of Environmental Clearance subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.

  
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3. The PP shall furnish slope stability action plan for ensuring the strength of safety barrier placed at the eastern side in adjacent to the abandoned quarry (Ab1), before obtaining CTO from TNPCB.
4. The PP shall carry out only controlled blasting operation involving NONEL initiation system 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 towards the habitation which is located at a distance of 620 m.
5. 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 adhere EMP furnished.
6. As accepted by the Project proponent the CER cost is Rs. 5.5 lakhs and the amount shall be spent for the committed activities in Panchayat Union Middle School, Esanatham as committed, before obtaining CTO from TNPCB.

**Agenda No: 289-11**

**(File No: 9121/2022)**

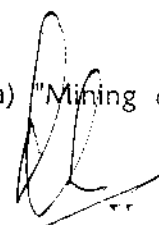
**Proposed Rough stone & gravel quarry lease over an extent of 2.31.5 Ha in S.F.No 229 and 234 Sathankulam Village, Sathankulam Taluk, Thoothukudi District, Tamil Nadu by Tvl.Krishna Blue Metals - For Environmental Clearance.  
(SIA/TN/MIN/262855/2022Dt.22.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Tvl.Krishna Blue Metals has applied for Environmental Clearance for the proposed Rough stone & gravel quarry lease over an extent of 2.31.5 Ha in S.F.No 229 and 234 Sathankulam Village, Sathankulam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

  
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3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 320880 m<sup>3</sup> Rough stone, 36608 m<sup>3</sup> of Gravel & 67716 m<sup>3</sup> of Weathered Rock. The Annual peak production 73944 m<sup>3</sup> Rough stone (3<sup>rd</sup> year), 15392 m<sup>3</sup> of Gravel (1<sup>st</sup> year) & 27720 m<sup>3</sup> of Weathered Rock (1<sup>st</sup> year) with ultimate depth of 54m.

Based on the presentation made by the proponent and considering safety point of view, SEAC recommended to remove the last bench in XY-AB and accordingly **recommended the proposal for grant of Environmental Clearance** for the production of 317562 m<sup>3</sup> of rough stone, 36608 m<sup>3</sup> of Gravel & 67716 m<sup>3</sup> of Weathered Rock for a period of initial five years with the Annual peak production of 73944 m<sup>3</sup> Rough stone, 15392 m<sup>3</sup> of Gravel & 27720 m<sup>3</sup> of Weathered Rock by restricting the ultimate depth to 49m, subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.
3. 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 40 m below ground level.
4. The PP shall ensure that only controlled blasting operation involving presplitting and muffle blasting shall be carried out in the quarry such that no fly rock travel beyond 30 m from the blast site. However, the PP shall carryout a detailed study on the blast-induced ground vibration and design the blast geometry by involving a reputed scientific institution such as NIRM, NITs, IITs, Anna University Chennai-

  
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CEG Campus, & any other CSIR Labs, within two years after the commencement of quarrying operation and a copy of the report shall be submitted to the SEIAA, IRO/MoEF & CC - Chennai, DEE/TNPCB, AD (Geology & Mining) and Director of Mines Safety, Chennai Region.

5. Further, the PP shall carry out the scientific studies to assess the slope stability of the benches and existing quarry wall when the depth of the quarry touches 40 m for designing the proper benches safely below ground level, by involving a reputed Research / Academic Institution such as NIRM, IITs, NITs, Anna University-CEG Campus, Chennai, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, IRO/MoEF & CC-Chennai, TNPCB, AD/Mines-DGM and Director of Mines Safety, Chennai Region as a part of Environmental Compliance.
6. 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 adhere EMP furnished.
7. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the committed activities, in Panchayat Union Primary School , Chettikulam as committed, before obtaining CTO from TNPCB.

**Agenda No: 289-12**

**(File No: 9122/2022)**

**Proposed gravel quarry lease over an extent of 1.44.0 Ha in S.F.Nos. 201/4, Keelaparuthiyur Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu by Thiru. K.Kumaresan- For Environmental Clearance (SIA/TN/MIN/262855/2022Dt.22.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru. K.Kumaresan has applied for Environmental Clearance for the proposed gravel quarry lease over an extent of 1.44.0 Ha in

  
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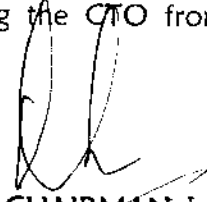
S.F.Nos. 201/4, Keelaparuthiyur Village, Paramakudi Taluk, Ramanathapuram District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 1 year. The mining plan is for the period of 1 year. The total production for 1 year not to exceed 16470 m<sup>3</sup> of Gravel with ultimate depth of 2m.

Based on the presentation made by the proponent, the SEAC recommended for grant of Environmental Clearance subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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.**
2. After carrying out the mining activity, the said land will be converted into a Fish pond after obtaining necessary permission from competent Authority. In this regard, the PP shall also furnish an undertaking for carrying out the aforesaid activity before executing the CTO with TNPCB.
3. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
4. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961.
5. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.

  
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6. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
7. The Project proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
8. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
9. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
10. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
11. Proper barriers to reduce noise level and dust pollution should be established by

  
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providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.

12. 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.
13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted in proper spacing 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
14. **Noise and Vibration Related:** (i) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
16. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.

  
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17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
18. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
21. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
22. The Project proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
23. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamilnadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.

  
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24. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD(Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
25. The Project proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project proponent liable for legal action in accordance with Environment and Mining Laws.
26. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
27. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
28. 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 minute.
29. 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 adhere EMP furnished.
30. As accepted by the Project proponent the CER cost is Rs.1.5 lakhs and the amount shall be spent for the committed activities in Panchayat Union Primary School, Manjur as committed, before obtaining CTO from TNPCB.

Agenda No: 289-13

(File No: 9123/2022)

Proposed Rough stone & gravel quarry lease over an extent of 3.65.5 Ha in S.F.No 253/1, 253/2, 253/9 , Sevalur Village, Ponnamaravathi Taluk, Pudukottai District, Tamil

  
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**Nadu by Thiru.MR.Anbalagan,- For Environmental Clearance. (SIA/TN/MIN/263016/2022 Dt.23.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru.MR.Anbalagan has applied for Environmental Clearance for the proposed Rough stone & gravel quarry lease over an extent of 3.65.5 Ha in S.F.No 253/1, 253/2, 253/9 , Sevalur Village, Ponnamaravathi Taluk, Pudukottai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 313720 m<sup>3</sup> Rough stone, 33840 m<sup>3</sup> of Gravel & 33840 m<sup>3</sup> of Weathered Rock. The annual peak production 78950 m<sup>3</sup> Rough stone (5<sup>th</sup>year), 16920 m<sup>3</sup> of Gravel (1<sup>st</sup> year) & 16920 m<sup>3</sup> of Weathered Rock (1<sup>st</sup> year) with ultimate depth of 40 m.

Based on the presentation made by the proponent, SEAC decided to obtain the following details from the PP.

1. The PP shall furnish the certified compliance report from RO-MoEF & CC, Chennai /TNPCB on the existing EC issued.
2. The PP shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease & 'Slope Stability Plan' for the proposed quarry.
3. The PP shall furnish a letter from DFO regarding location of nearest RF with respect to the project site.
4. The PP shall provide details of fencing around the existing quarry.

  
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5. The PP shall submit a video footage indicating the plantation work carried out so far in and around the existing quarry.

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

**Agenda No: 289-14**

**(File No: 9130/2022)**

**Proposed Rough stone & gravel quarry lease over an extent of 2.48.0 Ha in S.F.No 5/6&25/7A, Santhaiyur Village, Sattur Taluk, Virudhunagar District, Tamil Nadu by Thiru. V.Seenivasan - For Environmental Clearance. (SIA/TN/MIN/264129/2022 Dt. 28.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru. V.Seenivasan has applied for Environmental Clearance for the proposed Rough stone & gravel quarry lease over an extent of 2.48.0 Ha in S.F.No 5/6&25/7A, Santhaiyur Village, Sattur Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years. The mining plan is for the period of 10 years. The total production for 10 years not to exceed 383085 m<sup>3</sup> Rough stone & 59717 m<sup>3</sup> of Gravel. The Annual peak production 50240 m<sup>3</sup> Rough stone (10<sup>th</sup> year) and 15750 m<sup>3</sup> of Gravel (1<sup>st</sup> year) with ultimate depth of 45 m.

Based on the presentation made by the proponent and considering safety point of view, SEAC recommended to remove the last bench in the section of XY-AB and accordingly recommended the proposal for grant of Environmental Clearance for the production of 3,70,457 m<sup>3</sup> of rough stone and 59,717.25 m<sup>3</sup> of Gravel for a period of 10 years with an annual peak production of 50240 m<sup>3</sup> of Rough stone and 15750 m<sup>3</sup>

  
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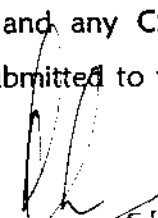
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of Gravel by restricting the ultimate depth of the proposed quarry to 40m, subject to the standard conditions as per the **Annexure 1** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.
3. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry before obtaining the CTO from TNPCB, as the depth of the working is extended beyond 30 m below ground level.
8. The PP shall ensure that only controlled blasting operation involving line drilling and muffle blasting shall be carried out in the quarry such that no fly rock travel beyond 20 m from the blast site towards the habitations located at a distance of 700 m. Further, the PP shall carryout a detailed study on the blast-induced ground vibration and design the blast geometry by involving a reputed scientific institution such as NIRM, NITs, IITs, Anna University Chennai-CEG Campus, & any other CSIR Labs, within two years after the commencement of quarrying operation and a copy of the report shall be submitted to the SEIAA, IRO/MoEF & CC - Chennai, DEE/TNPCB, AD (Geology & Mining) and Director of Mines Safety, Chennai Region.
9. Further, the PP shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry during the second phase of five year working (6<sup>th</sup> year to 10<sup>th</sup> year), by involving a reputed Research / Academic Institution such as NIRM, IITs, NITs, Anna University-CEG Campus, Chennai, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the

  
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SEIAA, IRO/MoEF & CC-Chennai, TNPCB, AD/Mines-DGM and Director of Mines Safety, Chennai Region as a part of Environmental Compliance.

4. The PP shall install the fencing to a height of 3 m around the quarry limit to ensure that the fugitive dust is not allowed to propagate into the surroundings.
5. 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 adhere EMP furnished.
6. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the committed activities, in Govt. Hr. Sec. School, Naduvapatti as committed, before obtaining CTO from TNPCB.

**Agenda No: 289-15**

**(File No: 9132/2022)**

**Proposed Rough stone & Gravel quarry lease over an extent of 1.17.0 Ha in S.F.No 456/3C1 Karamadai Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu by Thiru.R.Shanmugasundaram - For Environmental Clearance. (SIA/TN/MIN/255358/2022 Dt.07.02.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru.R. Shanmugasundaram has applied for Environmental Clearance for the proposed Rough stone & gravel quarry lease over an extent of 1.17.0 Ha in S.F.No 456/3C1 Karamadai Village, Mettupalayam Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 80548 m<sup>3</sup> Rough stone and 1188 m<sup>3</sup> of Gravel. The annual peak production 16540

  
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m<sup>3</sup> Rough stone (4<sup>th</sup> year) and 1188 m<sup>3</sup> of Gravel (2<sup>nd</sup> & 3<sup>rd</sup> year) with ultimate depth of 47 m BGL

Based on the presentation made by the proponent SEAC recommended for grant of Environmental Clearance subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.
3. The PP shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in particularly next to the state highway (Northern side) in the proposed quarry lease & 'Slope Stability Plan' for the proposed quarry before obtaining the CTO from the TNPCB.
4. Further, the PP shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry when the depth of the quarry touches 40 m, by involving a reputed Research / Academic Institution such as NIRM, IITs, NITs, Anna University-CEG Campus, Chennai, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, IRO/MoEF & CC-Chennai, TNPCB, AD/Mines-DGM and Director of Mines Safety, Chennai Region as a part of Environmental Compliance.
5. The PP shall ensure that only controlled blasting operation involving presplitting and muffle blasting shall be carried out in the quarry such that no fly rock travel beyond 30 m from the blast site. As the habitations are located at a distance of 340 m from the quarry, the PP shall carryout a detailed study on the influence of blast-induced ground vibration on the surrounding structures by involving a

  
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reputed scientific institution such as NIRM, NITs, IITs, Anna University Chennai-CEG Campus and any other CSIR Labs, within two years after the commencement of quarrying operation. A copy of such scientific study report shall be submitted to the SEIAA, IRO/MoEF & CC-Chennai, TNPCB, AD/Mines-DGM and Director of Mines Safety, Chennai Region as a part of Environmental Compliance.

6. The PP shall install the fencing to a height of 3 m around the quarry limit to ensure that the fugitive dust is not allowed to propagate into the surroundings.
7. 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 adhere EMP furnished.
8. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the committed activities, in Government High Secondary School, Karamadai, Coimbatore District as committed, before obtaining CTO from TNPCB.

**Agenda No: 289-16**

**(File No: 9133/2022)**

**Proposed Rough stone quarry lease over an extent of 4.19.5 Ha in S.F.No 385/1 & 385/2A, Villukuri Village, Kalkulam Taluk, Kanniyakumari District, Tamil Nadu by Thiru. R.George Antony- For Environmental Clearance. (SIA/TN/MIN/263691/2022 Dt.25.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru. R.George Antony has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 4.19.5 Ha in S.F.No 385/1 & 385/2A, Villukuri Village, Kalkulam Taluk, Kanniyakumari District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.

  
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3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 389724 m<sup>3</sup> Rough stone with ultimate depth of 60 m AGL

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

1. By considering safety point of view, the PP shall remove the last bench which having the width less than 12m & the depth is restricted to 50m AGL. Accordingly revise the production quantity.
2. The PP shall furnish the certified compliance report from the IRO-MoEF&CC, Chennai on the EC issued.
3. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while presenting to obtain the EC,
4. The mitigation measures to be furnished after discussions with DFO, Kanyakumari at a cost of Rs. 10 lakhs, since KKWLS is at 3.65km.

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

**Agenda No: 289-17**

**(File No: 9135/2022)**

**Proposed Rough stone & Gravel quarry lease over an extent of 4.23.0 Ha in S.F.No 1123/2, Padmanabamngalam, Srivaikuntam Taluk, Thoothukudi District Tamil Nadu by Thiru . J.Subburajan - For Environmental Clearance. (SIA/TN/MIN/262794/2022 Dt.29.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru.J.Subburajan has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 4.23.0 Ha in S.F.No 1123/2, Padmanabamngalam, Srivaikuntam Taluk,

  
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Thoothukudi District Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 802175 m<sup>3</sup> Rough stone & Gravel-172085 m<sup>3</sup>. The annual peak production 160950 m<sup>3</sup> Rough stone (2<sup>nd</sup> year) & Gravel-57150 m<sup>3</sup> (1<sup>st</sup> year) with ultimate depth of 60 m BGL.

Based on the presentation made by the proponent, SEAC noted that the project site is 1.8km from Vallanadu Blackbuck WL Sanctuary ESZ. SEAC took note of the Report submitted by Thiru.B.Sugirtharaj Kovilpillai, Expert Member of previous SEAC, in a different case, as it is relevant to the present case. Important contents of the Report are extracted below.

*"Vallanadu Blackbuck Sanctuary is the southernmost abode of blackbucks in India. This sanctuary houses varieties of animals and plants. The fauna of Vallanadu Blackbuck Sanctuary includes blackbuck, spotted deer, sambar, scaly ant eater, monitor lizard, jungle cat, grey mongoose, black naped hare, vipers, peacock, heron, grey francolin, common quail, crested hawk eagle, black winged kite, red wattled lapwing, night jar, sparrows, homed owl etc. This is an isolated hillock with scrub jungle.*

*This sanctuary is dedicated for the conservation of blackbuck an endangered animal, found in the red data book of IUCN and included in schedule I of Wildlife Protection Act, 1972.*

*Blackbucks require open grassland with intermittent bushes. They are sensitive to environmental pressures and adequate land is required for their survival. The limited space available in the sanctuary along with scarcity of food and water especially during summer poses a great threat for their survival.*

*The blackbucks have regular habit of coming out of the sanctuary and graze in the*

  
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wastelands on the eastern and western sides outside the sanctuary.

Under these circumstances, I request the committee to consider the points mentioned in the research papers,

1. "Conservation of a fragmented population of blackbuck" published in Current Science, Vol. III, No. 3, 10<sup>th</sup> August 2016.

"In VBS blackbucks were seen spending the night in the grass fallow outside and move towards the forests only when disturbance levels increased in the outside areas. It therefore appears that the preferred habitat lies in the eastern fallow outside the VBS." (Pg.547)

"Moreover, the land use further away from the fallow is highly urbanized, and industrialized due to the presence of quarries." (Pg.547)

"There are increasing evidences to this, as blackbucks are frequently seen 5 km away from VBS along main roads and also in private farms and near irrigation tanks." (Pg.548)

2. "Distribution patterns and habitat requirements of blackbucks in Vallanadu Blackbuck Sanctuary implications for conservation and management." published in Indian Forester, 140 (10) : 1005-1013, 2014.

"Most of the herds (blackbucks) were seen in the open fallow grasslands on the eastern side of the sanctuary." Pg.1008

"A few perennial sources outside the reserve were mostly visited by domestic livestock, but, also frequented by blackbuck." Pg.1008

"The open fallow (grassland) outside the eastern edge of VBS offers water and forage and good staging sites for the males but not adequate protection. This patch of open fallow land is an island of about 3 sq km surrounded by activities such as mining, real estate and proposed highway construction." Pg.1011

"The open fallow grasslands may serve as important breeding areas of the Buck and needs to be conserved alongside the sanctuary." Pg.1012

  
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*"These areas are however, coming in conflict with quarrying activities, which are creating continuous disturbances to the blackbuck." Pg.1012*


*These research papers clearly mention that blackbucks move upto 5 km outside the sanctuary on the eastern side and mining activities will have a disastrous effect on blackbucks."*

Based on the presentation made by the proponent, SEAC noted that Blackbuck is the prominent species in Vallanadu Blackbuck WL Sanctuary in Thoothukudi district and this is its southernmost habitat in the country. Blackbuck is an endangered species and included in IUCN red data book in the category in VUC (vulnerable status) and under Schedule 1 of the WP Act, 1972. The blackbucks often come out of sanctuary and ESZ for foraging, hiding, water etc. Blackbucks are very timid and shy animals and the proposed activity involves rock blasting noise, vibrations, dust, smoke and other anthropogenic disturbances and these will have adverse effect on this vulnerable species. Apart from Blackbuck, the fauna of Vallanadu Blackbuck Sanctuary includes spotted deer, sambar, scaly ant eater, monitor lizard, jungle cat, grey mongoose, black naped hare, vipers, peacock, heron, grey francolin, common quail, crested hawk eagle, black winged kite, red wattled lapwing, night jar, sparrows, homed owl etc. This isolated hillock with scrub jungle, therefore, needs to be preserved. Considering the above **SEAC decided not to recommend the proposal for the grant of Environmental Clearance.**

Agenda No: 289-18

(File No: 9136/2022)

Proposed Rough stone & Gravel quarry lease over an extent of 2.02.0 Ha in S.F.No 335/6(P),336/1(P),336/2(P)336/3(P),336/5(p),336/6(P)&336/8(P), Kadambankulam Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu by TVL.Kartya Construction Pvt.Ltd - For Environmental Clearance. (SIA/TN/MIN/263897/2022 Dt.30.03.2022)

  
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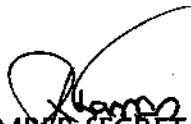
The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

**The SEAC noted the following:**

1. The project proponent, TVL.Kartya Construction Pvt.Ltd has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 2.02.0 Ha in S.F.No 335/6(P), 336/1(P), 336/2(P) 336/3(P), 336/5(p), 336/6(P) & 336/8(P), Kadambankulam Village, Virudhunagar Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 311080 m<sup>3</sup> Rough stone and 15640 m<sup>3</sup> of Gravel. The annual peak production 62360 m<sup>3</sup> Rough stone (3<sup>rd</sup> year) and 12665 m<sup>3</sup> of Gravel (1<sup>st</sup> year) with ultimate depth of 41 m BGL

Based on the presentation made by the proponent SEAC recommended for grant of Environmental Clearance for a total production of 311080 m<sup>3</sup> Rough stone and 15640 m<sup>3</sup> of Gravel for a period of 5 years with an Annual peak production 62360 m<sup>3</sup> of Rough stone and 12665 m<sup>3</sup> of Gravel by maintaining the ultimate depth of 41 m BGL subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:


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.

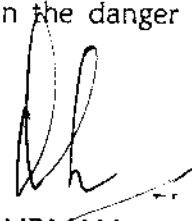
  
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2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.
3. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
4. Further, the PP shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry when the depth of the quarry touches 36 m, by involving a reputed Research / Academic Institution such as NIRM, IITs, NITs, Anna University-CEG Campus, Chennai, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, IRO/MoEF & CC-Chennai, TNPCB, AD/Mines-DGM and Director of Mines Safety, Chennai Region as a part of Environmental Compliance.
5. The PP shall ensure that only controlled blasting operation involving NONEL initiation system and muffle blasting shall be carried out in the quarry such that no fly rock travel beyond 20 m from the blast site. Since the habitations are situated at a distance of 300 m, the PP shall carryout a detailed study on the influence of blast-induced ground vibration on the surrounding structures by involving a reputed scientific institution such as NIRM, NITs, IITs, Anna University Chennai-CEG Campus and any other CSIR Labs, within two years after the commencement of quarrying operation. A copy of such scientific study report shall be submitted to the SEIAA, IRO/MoEF & CC-Chennai, TNPCB, AD/Mines-DGM and Director of Mines Safety, Chennai Region as a part of Environmental Compliance.
6. The PP shall ensure that the blasting time is communicated to all the concerned residents around a radial distance of 300 m from the blast site and necessary sentries shall be provided such that no person/faunae is present in the danger zone.

  
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7. The PP shall install the fencing to a height of 3 m around the quarry limit to ensure that the fugitive dust is not allowed to propagate into the surroundings.
8. 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 adhere EMP furnished.
9. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the committed activities, in Hindu Middle School, Kadambankulam as committed, before obtaining CTO from TNPCB.

**Agenda No: 289-19**

**(File No: 9137/2022)**

**Proposed Earth quarry lease over an extent of 1.10.0 Ha in S.F.No 736/3B, 736/4B, 736/4D, 736/4E and 736/5, Meyyur Village, Uthukkottai Taluk, Thiruvallur District, Tamil Nadu by Thiru. G.Purushothaman –For Environmental Clearance. (SIA/TN/MIN/264298/2022 Dt. 30.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru. G.Purushothaman has applied for Environmental Clearance for the proposed Earth quarry lease over an extent of 1.10.0 Ha in S.F.No 736/3B, 736/4B, 736/4D, 736/4E and 736/5, Meyyur Village, Uthukkottai Taluk, Thiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 1 year. The mining plan is for the period of 1 year. The total production for 1 year not to exceed 15188 m<sup>3</sup> of Earth with ultimate depth of 2 m BGL

Based on the presentation made by the proponent SEAC decided to call for the following details from the PP.

  
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1. The composition/component of the minerals proposed to be quarried shall be tested in any of the laboratories authorized by the Dept of Geology & Mining.
2. The proponent should produce a letter from the Department of Geology and Mining stating that the location of quarry site does not lie adjoining to the rivers, streams, canals etc., and also does not come under any notified/declared protected zones in terms of the above Judgment.

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

**Agenda No: 289-20**

**(File No: 9139/2022)**

**Proposed Rough stone & Gravel quarry lease over an extent of 4.95.0 Ha in S.F.No 708/3A (Part) and 709 (Part), North Ariyanayagipuram Part – II Village, Cheranmahadevi Taluk, Tirunelveli District, Tamil Nadu by Thiru. T.Satheesan- For Environmental Clearance. (SIA/TN/MIN/263649/2022 Dt. 25.03.2022)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.06.2022. 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, Thiru. T.Satheesan has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 4.95.0 Ha in S.F.No 708/3A (Part) and 709 (Part), North Ariyanayagipuram Part – II Village, Cheranmahadevi Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The mining plan is for the period of 5 years. The total production for 5 years not to exceed 1101720 m<sup>3</sup> Rough stone and 84376 m<sup>3</sup> of Gravel. The annual peak production 234960 m<sup>3</sup> Rough stone (3<sup>rd</sup> year) and 38208 m<sup>3</sup> of Gravel (1<sup>st</sup> year) with ultimate

  
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depth of 42 m BGL

Based on the presentation made by the proponent SEAC recommended for grant of Environmental Clearance for the proposed quarry to produce 1101720 m<sup>3</sup> Rough stone and 84376 m<sup>3</sup> of Gravel with an Annual peak production of 234960 m<sup>3</sup> Rough stone and 38208 m<sup>3</sup> of Gravel by maintaining the ultimate depth of 42 m, subject to the standard conditions as per the **Annexure I** of this minutes & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions:

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.
2. The mine manager and other statutory competent persons such as blaster (or) mine mate shall be appointed before the commencement of mining operation.
3. 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 40 m below ground level.
4. Further, the PP shall carry out the scientific studies to assess the slope stability of the benches of the proposed quarry when the depth of the quarry touches 40 m, by involving a reputed Research / Academic Institution such as NIRM, IITs, NITs, Anna University-CEG Campus, Chennai, and any CSIR Laboratories etc. A copy of such scientific study report shall be submitted to the SEIAA, IRO/MoEF & CC- Chennai, TNPCB, AD/Mines-DGM and Director of Mines Safety, Chennai Region as a part of Environmental Compliance.
5. The PP shall ensure that only controlled blasting operation involving NONEL initiation system and muffle blasting shall be carried out in the quarry such that no fly rock travel beyond 30 m from the blast site.
6. The PP shall install the fencing to a height of 3 m around the quarry limit to ensure that the fugitive dust is not allowed to propagate into the surroundings.

  
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7. The PP shall also develop green belt around the boundary of the quarry by planting not less than 200 trees every year.
8. 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 adhere EMP furnished.
9. As accepted by the Project proponent the CER cost is Rs. 5 lakhs and the amount shall be spent for the committed activities, Panchayat Union Middle Class School, Tirunelveli District as committed, before obtaining CTO from TNPCB.

**Agenda No: 289-21**

**(File No: 7895/2021)**

**Proposed Rough Stone and gravel quarry lease area over an extent of 4.70.5Ha at S.F.No 741/1, 743, 744, 745,746/2, 747,748/2 &749 O.Mettupatti Village, Sattur Taluk, Virudhunagar District by Thiru.N.Thiruppathi - For Environmental Clearance.(SIA/TN/MIN/ 175989/2020, dated: 30.09.2020)**

The proposal was placed for appraisal in this 289<sup>th</sup> meeting of SEAC held on 24.6.2022. 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, Thiru.N.Thiruppathi has applied for Environmental Clearance for the Rough Stone and gravel quarry lease area over an extent of 4.70.5 Ha at S.F.No 741/1, 743, 744, 745,746/2, 747,748/2 & 749 O.Mettupatti Village, Sattur Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under category“B2” of Item 1 (a)“Mining of Minerals Projects” of the Schedule to the EIA Notification,2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 312645m<sup>3</sup> of Rough stone and 69024 m<sup>3</sup> of gravel. The annual peak production as per mining plan is 63090 m<sup>3</sup> of rough stone (5<sup>th</sup> year) and 22524 m<sup>3</sup> of gravel (1<sup>st</sup> year) with proposed depth of 31m(BGL).
4. The Project proponent obtained earlier EC from SEIAA vide Lr.No.SEIAATN/F.No.23731EC/I(a)/1271/2014 dated: 16.05.2014. The

  
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approved production quantity is 52390m<sup>3</sup> of rough stone, 24195m<sup>3</sup> of topsoil & 56455m<sup>3</sup> of gravel for depth of mining as 10m. The lease was executed from 13.06.2014 to 12.06.2019.

5. The Deputy Director, Geology & Mining, Virudhunagar vide Rc.No.KVI/811/2019 dated: 20.07.2020 states that "the transport issued for quantity of 51559 m<sup>3</sup> of Rough stone & 15155m<sup>3</sup> of gravel, mined out depth of mining 27m".
6. The District Collector Proceeding Letter vide Na.Ka.No. KVI/811/2019-Kanimam, dated: 23.09.2019 states that "the DD mines inspected the site and, in the report, sl.no.8, it is informed that the proponent has already mined out 27m and production is 388800 m<sup>3</sup> of Rough stone & 24600 m<sup>3</sup> of Gravel".
7. Earlier, this proposal was placed before 211th SEAC meeting held on 24.4.2021. Based on the documents furnished and presentation made by the Proponent, the committee noted it is clear from the District Collector's letter that the proponent has carried out excess mining for a depth of 27m and thus it is a clear case of violation. Now the project proponent has applied for a depth of 31 m for five years for the production of 312645m<sup>3</sup> of Rough stone & 69024m<sup>3</sup> of Gravel. Hence the Committee decided that the proponent may first appeal to AD (Mines and Geology) for the re-assessment and quantification of excess mining and levy the fine accordingly as per the rules and afterwards the proponent may apply for the same under violation category.
8. Again this proposal been placed in 260<sup>th</sup> SEAC meeting held on 1.4.2022, the PP has furnished the details sought by the Committee. The Project proponent made a presentation along with clarification for the above shortcomings observed by the SEAC. Based on the presentation and details furnished by the project proponent, SEAC decided to make on site inspection

  
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by the sub-committee to be constituted by the SEAC to assess the present status of the proposed project and environmental settings.

A subcommittee comprising Thiru. K. Kumar and Dr. P. Balamadeswaran, was constituted by SEAC to inspect and study the field condition in the proposal seeking Environmental Clearance for the proposed rough stone, and gravel quarry on 14.06.2022 (Tuesday) vide Lr.No. SEAC-TN/Site Inspection/2022 dated 25.02.2022

**Observations & Recommendations of the Sub Committee**

1. In the mining plan submitted during the year 2014, the existing pit size of 160m long x 50 width for the depth of 13.0m in survey nos. 747, 748/2, 750/1 & 750/2 is mentioned in the plan.
2. In the Annexure of the Mining Plan approved by the AD (Geology & Mining), it has been reported by the Revenue Tahsildar, Sattur vide letter No.M.M.A1/8017/2013 dated 28.11.2013 that the present pit size of 120m long x 100m wide with depth of 20m in survey nos. 744, 747, 748/2 &
3. Further, it has been observed from the Joint inspection report of the Deputy Director Geology & Mining, Dy.Tahsildhar (Mines) and Revenue Inspector(Mines) of Department of Geology and Mining, Virudhunagar dated 27.12.2013 that the present area was quarried for rough stone for the average depth of 13.0m in survey nos.744,745, 762, 747, 749, 748/2 & 750/1&2.
4. It was informed by the Qualified Person (QP) who had prepared the Mining Plan that the quarried period in Survey No: 749 is ended well before the stipulated validity period of lease, i.e., 28.12.2014 and then only the PP had applied for a fresh EC immediately for which the EC has been granted vide letter SEIAA-TN / F. No.2373/EC/1(a)/1271/ 2014 dated 16.05.2014.
5. However, it was stated by the QP in the Mining Plan submitted in 2014 while obtaining the EC (No: SEIAA-TN / F. No.2373/EC/1(a)/1271/ 2014, dated 16.05.2014) that the quarry has been already operated for a depth of

  
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20 m by the previous lessees.

6. Further, it was clearly indicated by the RQP in the aforesaid Mining Plan submitted in 2014 that the quarry face will be moved East side by removing 5 m of topsoil & Gravel and 5 m of Rough stone such that a depth of 10 m is mined out for quantity of 52390 m<sup>3</sup> of Rough stone and 80650 m<sup>3</sup> of Gravel. However, the RQP had not indicated the place where the aforesaid depth of quarrying & volume of material are to be mined out within the leasehold area of the existing quarry.
7. From the Mine Lease Plan and the AD (Geology & Mining) letter no: KV1/811/2019, dated.20.07.2020, it is clearly observed that the quarry was operated in the top benches by removing the Gravel for a volume of 15155 m<sup>3</sup> and Rough stone of 51569 m<sup>3</sup> against the permitted quantity of 80650 m<sup>3</sup> of Gravel and 52390 m<sup>3</sup> of Rough stone as per Approved Mining Plan & EC granted in 2014. Hence it is evident that the PP had excavated (or) produced the quantity of both Gravel and Rough stone within the approved quantity only from the approved quarry leasehold area. Hence, the PP had not violated in terms of producing any excess quantity against the volume as stipulated in the Mining Plan approved by AD (Geology & Mining). Further, the office of AD (Geology & Mining) had issued the Mine Plan Approval Communication letter (no: KV1/811/2019, dated.17.02.2020) in which nothing has been mentioned by the AD (Geology & Mining) in the line of violation (or) penalty, etc but consented to grant permission to quarry rough stone & gravel for a period of 5 years subject to the EC issued by the SEIAA.
8. The PP had stopped the quarrying operation well before the stipulated validity period of lease, i.e., 28.12.2014 for which no EC has been granted in 2009. Further, the PP had applied and obtained the EC (No: SEIAA-TN / F. No.2373/EC/1(a)/1271/ 2014, dated 16.05.2014) to operate the quarry from 2014. Therefore, the MoEF & CC - OM dated. 15.01.2016 stipulating the

  
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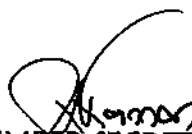
violation of projects operating without EC is not applicable in this quarry.


9. The PP have operated the quarry after obtaining an appropriate EC (No: SEIAA-TN / F. No.2373/EC/1(a)/1271/ 2014, dated 16.05.2014) by satisfying the Notification issued by the MoEF & CC, dated. 15.01.2016 indicates that the prior environmental clearance has become mandatory for mining of minor minerals irrespective of the area of mining lease. Further, the PP had also not expanded the production capacity (or) project area beyond the limit as specified in the aforesaid Environmental Clearance (Prior-EC) without obtaining Prior-EC (or) change of scope without prior approval and hence it cannot be treated under 'Violation' (or) Non-compliance' category as notified in the OM, dated. 07.07.2021 issued by the MoEF&CC.
10. Hence, the sub-committee recommends the SEAC the file may be processed for issue of EC for the proposed quarry to the extent of 4.70.5 Ha as there is no violation observed in this case.

Based on the presentation made by the Subcommittee, the SEAC decided to call for the following details from the PP.

1. The PP shall furnish the certified compliance report from IRO-MoEF & CC, Chennai (or) DEE/TNPCB on the previous EC issued.
2. The PP shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease & 'Slope Stability Plan' for the proposed quarry

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

  
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## ANNEXURE - I

1. The proponent shall mandatorily appoint the required number of statutory officials and the competent persons in relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferrous Mines Regulations, 1961.
2. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit before the commencement of the operation and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
3. Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required in connection with the concerned Govt. Authority.
4. The Project proponent shall adhere to the working parameters of mining plan which was submitted at the time of EC appraisal wherein year-wise plan was mentioned for total excavation i.e. quantum of mineral, waste, over burden, inter burden and top soil etc.. No change in basic mining proposal like mining technology, total excavation, mineral & waste production, lease area and scope of working (viz. method of mining, overburden & dump management, O.B & dump mining, mineral transportation mode, ultimate depth of mining etc.) shall not be carried out without prior approval of the Ministry of Environment, Forest and Climate Change, which entail adverse environmental impacts, even if it is a part of approved mining plan modified after grant of EC or granted by State Govt. in the form of Short Term Permit (STP), Query license or any other name.
5. The reject/waste generated during the mining operations shall be stacked at earmarked waste dump site(s) only. The physical parameters of the waste dumps like height, width and angle of slope shall be governed as per the approved Mining Plan as per the guidelines/circulars issued by DGMS w.r.t. safety in mining operations shall be strictly adhered to maintain the stability of waste dumps.

  
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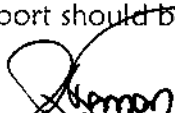
6. The proponent shall ensure that the slope of dumps is suitably vegetated in scientific manner with the native species to maintain the slope stability, prevent erosion and surface run off. The gullies formed on slopes should be adequately taken care of as it impacts the overall stability of dumps.
7. Perennial sprinkling arrangement shall be in place on the haulage road for fugitive dust suppression. Fugitive emission measurements should be carried out during the mining operation at regular intervals and submit the consolidated report to TNPCB once in six months.
8. The Project proponent shall carry out slope stability study by a reputed academic/research institution such as NIRM, IIT, Anna University for evaluating the safe slope angle if the proposed dump height is more than 30 meters. The slope stability report shall be submitted to concerned regional office of MoEF&CC, Govt. of India, Chennai as well as SEIAA, Tamil Nadu .
9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site for all the machineries deployed and adequate noise level reduction measures undertaken accordingly. The report on the periodic monitoring shall be submitted to TNPCB once in 6 months.
10. Proper barriers to reduce noise level and dust pollution should be established by providing greenbelt along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
11. The PP shall carryout the plantation as committed within one year after commencement of operation.
12. 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 and local school/college authorities. The plant species with dense/moderate canopy of native

  
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origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.

13. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted with proper spacing 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
14. **Noise and Vibration Related:** (i) The Proponent shall carry out only the Controlled Blasting operation using NONEL shock tube initiation system during daytime. Usage of other initiation systems such as detonating cord/fuse, safety fuse, ordinary detonators, cord relays, should be avoided in the blasting operation. The mitigation measures for control of ground vibrations and to arrest fly rocks should be implemented meticulously under the supervision of statutory competent persons possessing the I / II Class Mines Manager / Foreman / Blaster certificate issued by the DGMS under MMR 1961, appointed in the quarry. No secondary blasting of boulders shall be carried out in any occasions and only the Rock Breakers (or) other suitable non-explosive techniques shall be adopted if such secondary breakage is required. The Project proponent shall provide required number of the security sentries for guarding the danger zone of 500 m radius from the site of blasting to ensure that no human/animal is present within this danger zone and also no person is allowed to enter into (or) stay in the danger zone during the blasting. (ii) Appropriate measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc. should be provided with ear plugs/muffs, (iii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
15. Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.

  
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16. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50m safety distance from water body should be maintained without carrying any activity. The proponent shall take appropriate measures for "Silt Management" and prepare a SOP for periodical de-siltation indicating the possible silt content and size in case of any agricultural land exists around the quarry.
17. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
18. The proponent shall ensure that the transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road and shall take adequate safety precautionary measures while the vehicles are passing through the schools / hospital. The Project proponent shall ensure that the road may not be damaged due to transportation of the quarried rough stones; and transport of rough stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. After mining operations are completed, the mine closure activities as indicated in the mine closure plan shall be strictly carried out by the Proponent fulfilling the necessary actions as assured in the Environmental Management Plan.
21. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
22. The Project proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.

  
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23. The project proponent shall ensure that the provisions of the MMRD, 1956, the MCDR 2017 and Tamil Nadu Minor Mineral Concession Rules 1959 are complied by carrying out the quarrying operations in a skillful, scientific and systematic manner keeping in view proper safety of the labour, structure and the public and public works located in that vicinity of the quarrying area and in a manner to preserve the environment and ecology of the area.
24. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be informed to the District AD/DD(Geology and Mining) District Environmental Engineer (TNPCB) and the Director of Mines Safety (DMS), Chennai Region by the proponent without fail.
25. The Project proponent shall abide by the annual production scheduled specified in the approved mining plan and if any deviation is observed, it will render the Project proponent liable for legal action in accordance with Environment and Mining Laws.
26. Prior clearance from Forestry & Wild Life including clearance from committee of the National Board for Wildlife as applicable shall be obtained before starting the quarrying operation, if the project site attracts the NBWL clearance, as per the existing law from time to time.
27. All the conditions imposed by the Assistant/Deputy Director, Geology & Mining, concerned District in the mining plan approval letter and the Precise area communication letter issued by concerned District Collector should be strictly followed.
28. The Project proponent shall install a Display Board at the entrance of the mining lease area/abutting the public Road if applicable, about the project as per Appendix –II of these minutes.

  
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**Appendix -I**  
**List of Native Trees Suggested for Planting**

No	Scientific Name	Tamil Name	Tamil Name
1	<i>Aegle marmelos</i>	Vilvam	விலவம்
2	<i>Adenanthera pavonina</i>	Manjadi	மஞ்சாடி ஆனைக்குன்றிமணி
3	<i>Albizia lebbek</i>	Vaagai	வாகை
4	<i>Albizia amara</i>	Ural	உரல்
5	<i>Bauhinia purpurea</i>	Mantharai	மந்தாரை
6	<i>Bauhinia racemosa</i>	Aathi	ஆத்தி
7	<i>Bauhinia tomentosa</i>	Iravathi	இருவாத்தி
8	<i>Euchanania axillaris</i>	Kattuma	காட்டுமர
9	<i>Borassus flabellifer</i>	Parai	பனை
10	<i>Butea monosperma</i>	Murukkamarai	முருக்கமரம்
11	<i>Bobax ceiba</i>	Ilavu, Sevvilavu	இலவு
12	<i>Calophyllum inophyllum</i>	Purnai	புள்ளை
13	<i>Cassia fistula</i>	Sarakondrai	சரக்கொன்றை
14	<i>Cassia roxburghii</i>	Sengondrai	செங்கொன்றை
15	<i>Clitoroxylon sweetonia</i>	Purazamaram	புரசு மரம்
16	<i>Cochlospermum religiosum</i>	Kongu, Mayallavu	கோங்கு, மஞ்சள் இலவு
17	<i>Cordia dichotoma</i>	Naruvil	நருவிலி
18	<i>Croton adansonii</i>	Mavalungum	மாவல்லங்கம்
19	<i>Dillenia indica</i>	Uva, Uzha	உவா
20	<i>Dillenia pentagyna</i>	SiruUva, Siruzha	சீரு உவா
21	<i>Diospyros ebenum</i>	Karungali	கருங்காலை
22	<i>Diospyros schloroxylon</i>	Vagaru	வாகரை
23	<i>Ficus amplissima</i>	Kallachi	கல் இச்சி
24	<i>Hibiscus tiliaceus</i>	Aatrupootarasu	ஆறுறுப்பலரசு
25	<i>Hardwickia binata</i>	Aachi	ஆச்சா
26	<i>Holoptelia integrifolia</i>	Aayili	ஆயா மரம், ஆயிலி
27	<i>Lannea coromandelica</i>	Odhiam	ஒதியம்
28	<i>Lagerstroemia speciosa</i>	Poo Marudhu	பூ மருது
29	<i>Lepisanthus tetraphylla</i>	Neikottamaram	நெய் கொட்டை மரம்
30	<i>Limonia acidissima</i>	Vila maram	விலா மரம்
31	<i>Litsea glutinos</i>	Pisampattai	பிசம்பா பிச்சைபட்டை
32	<i>Madinia longifolia</i>	Iluppu	இலுப்பை
33	<i>Mankara hexandra</i>	Ulkai, Paalai	உலக்கை பாலை
34	<i>Mimusops elengi</i>	Magizhamaram	மகிழ்மரம்
35	<i>Mitragyna parvifolia</i>	Kadamu	கடம்பு
36	<i>Morinda pubescens</i>	Nuna	நுனா
37	<i>Morinda citrifolia</i>	Veilai Nuna	வேலிநுனா நுனா
38	<i>Phoenix sylvestre</i>	Eachai	ஏச்சுமரம்
39	<i>Pongamia pinnat</i>	Pungam	புங்கம்

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40	<i>Premna mollissima</i>	Munna	முன்னை
41	<i>Premna serratifolia</i>	Narayanarai	நய்ய நன்னை
42	<i>Premna tomentosa</i>	Malaipeovarai	மலை பூவரசு
43	<i>Preseps cinerea</i>	Vannu maram	வன்னி மரம்
44	<i>Pterocarpus marsupium</i>	Vengai	வேங்கை
45	<i>Pterospermum amescens</i>	Vennangu, Tada	வேண்ணாங்கு
46	<i>Pterospermum xylocarpum</i>	Polavu	பாலவு
47	<i>Putranjiva roxburghii</i>	Karipala	கறிபாலா
48	<i>Salvadora persica</i>	Ugaa Maram	உகா மரம்
49	<i>Sapindus emarginatus</i>	Manpungan, Soapukai	மணிப்புகன் சோபுகாய்
50	<i>Saraca asoca</i>	Asoca	அசோகா
51	<i>Streblus asper</i>	Pirav maram	பிராய் மரம்
52	<i>Strychnos nuxvomica</i>	Yetti	எட்டி
53	<i>Strychnos potatorum</i>	Therthang Kottai	தேத்தான் கெட்டை
54	<i>Syzygium cumini</i>	Naval	நாவல்
55	<i>Terminalia belleric</i>	Thandri	தாண்ட்ரி
56	<i>Terminalia arjuna</i>	Ven marudhu	வேண் மருது
57	<i>Toona ciliata</i>	Sandhana yambu	சந்தன வேம்பு
58	<i>Thespesia populnea</i>	Puvarasu	பூவரசு
59	<i>Walsuratrifoliata</i>	valsura	வால்குரா
60	<i>Wrightia tinctoria</i>	Veppalai	வேப்பலாலை
61	<i>Pithecellobium dulce</i>	Kodakkapuli	கோடுக்காப்பூள்

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**Appendix-II**  
**Display Board**  
**(Size 6' x5' with Blue Background and White Letters)**

-----சுரங்கம்

சுரங்கங்களில் குவாரி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கீழ்க்கண்ட நிபந்தனைகளுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEIAA/-----, தேதியிடப்பட்டு, சுற்றுச்சூழல் அனுமதி ----- தேதி வரை செல்லத்தக்கதாக உள்ளது.

பசுமை பகுதி வளர்ச்சி	குவாரியின் எல்லையைச் சுற்றி வேலி அமைக்க வேண்டும்.
மேம்பாட்டுக்கான சுரங்கத் திட்டம்	சுரங்கப்பாதையின் ஆழம் தரைமட்டத்திலிருந்து மீட்டர்க்கு மிகாமல் இருக்க வேண்டும்.
நடப்பட்டு	காற்றில் மாசு ஏற்படாதவாறு சுரங்க பணிகளை மேற்கொள்ள வேண்டும்.
பராமரிக்கப்படவேண்டிய மரங்கள்	வாகனங்கள் செல்லும் பாதையில் மாசு ஏற்படாத அளவிற்கு தண்ணீரை முறையாக தண்ணீர் லாரிகளின் மூலமாக அவ்வப்போது தெளிக்க வேண்டும்.
எண்ணிக்கை:	இரைச்சல் அளவையும் தூசி மாசுபாட்டையும் குறைப்பதற்காக குவாரியின் எல்லையை சுற்றி அடர்த்தியான பசுமை பகுதியை ஏற்படுத்த வேண்டும்.
சுரங்கத்தில் வெடி வைக்கும்பொழுது நிலஅதிர்வுகள் ஏற்படாதவாறும் மற்றும் சுற்கள் பறக்காதவாறும் பாதுகாப்பு நடவடிக்கைகளை உன்னிப்பாக செயல்படுத்தப்பட வேண்டும்.	
சுரங்கத்தில் இருந்து ஏற்படும் இரைச்சல் அளவு 85 டிபிபிஎஸ் (dBA) அளவிற்கு மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற் கொள்ள வேண்டும்.	
சுரங்க சட்ட விதிகள் 1955ன் கீழ் சுரங்கத்தில் உள்ள பணியாளர்களுக்கு தகுந்த பாதுகாப்பு கருவிகள் வழங்குவதோடு சுகாதாரமுள்ள கழிப்பறை வசதிகளை செய்து தர வேண்டும்.	
கிராமம் அல்லது பஞ்சாயத்து வழியாக வாகனங்கள் செல்லும் சாலைகளை தொடர்ந்து நன்கு பராமரிக்க வேண்டும்.	
சுரங்கப்பணிகளால் அருகில் உள்ள விவசாயப் பணிகள் மற்றும் நீர்நிலைகள் பாதிக்கப்படக் கூடாது.	
நீர்நிலைகள் பாதிக்கப்படாமல் இருப்பதை உறுதி செய்யும் வகையில் துலத்தல் நீரின் தரத்தினை தொடர்ந்து கண்காணிக்க வேண்டும்.	
சுரங்கத்திலிருந்து கனிம பொருட்களை எடுத்துச் செல்வது கிராம மக்களுக்கு எந்தத் சிரமத்தினையும் ஏற்படுத்தாதவாறு பாதுகாப்போடும் மற்றும் சுற்றுச்சூழல் பாதிக்கவாத வண்ணம் வாகனங்களை இயக்க வேண்டும்.	
சுரங்கப்பணிகள் முடிக்கப்பட்டவுடன் சுரங்க மூடல் திட்டத்தில் உள்ளவாறு சுரங்கத்தினை மூட வேண்டும்.	
சுரங்க நடவடிக்கைகளை முடித்தபின்னர் சுரங்கப் பகுதி மற்றும் சுரங்க நடவடிக்கைகளால் இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்து தாவரங்கள் விவங்குகள் ஆகியவற்றின் வளர்ச்சிக்கு ஏற்ற வகையில் பசுமைப்பகுதியை உருவாக்க வேண்டும்.	
முழுமையான நிபந்தனைகளை அறிய பாரிவேஷ் ( <a href="http://parivesh.nic.in">http://parivesh.nic.in</a> ) என்கிற இணையதளத்தைப் பார்வையிடவும். மேலும் எந்தவித சுற்றுச்சூழல் சார்ந்த புகார்களுக்கும் சென்னையில் உள்ள சுற்றுச்சூழல் மற்றும் வன அமைச்சகத்தின் ஒருங்கிணைந்த வட்டார அலுவலகம்: 044 - 28222325 (அல்லது) தமிழ்நாடு மாசு கட்டுப்பாடு வாரியத்தின் மாவட்ட சுற்றுச்சூழல் பொறியாளரை அணுகவும்.	

  
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