

State Expert Appraisal Committee (SEAC)

Minutes of 396th meeting of the State Expert Appraisal Committee (SEAC) held on 28.07.2023 (Friday) at SEIAA Conference Hall, 2nd Floor, Panagal Maligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Confirmation of Earlier Minutes

The minutes of the 395th SEAC meeting held on 27.07.2023 were circulated to the Members in advance and as there are no remarks, the Committee decided to confirm the minute.

Agenda No: 396-01

(File No: 7688/2020)

Proposed Rough Stone Quarry lease over an extent of 5.00.0 Ha at S.F. Nos: 329(Part-4) of Halekottah Village, Hosur Taluk, Krishnagiri District, Tamil Nadu by Thiru.P. Subramani for Environmental Clearance (SIA/TN/MIN/54924/2020 Dated: 21.07.2020).

The proposal was placed in this 396th meeting of SEAC held on 28.07.2023, The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following,

1. The Project Proponent, Thiru.P. Subramani has applied for Environmental Clearance for the Proposed Rough Stone Quarry lease over an extent of 5.00.0 Ha at S.F. Nos: 329(Part-4) of Halekottah Village, Hosur Taluk, Krishnagiri District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. Thiru. P. Subramani, has already obtained quarry lease for a period of Ten Years Vide Proceeding No. Proc.No.126/2008(Mines-2) dated 26.03.2008. The lease deed was executed on 22.05.2008. (The lease period of Ten Years is from 22.05.2008 to 21.05.2018).
4. The District Forest Officer, Hosur forest Division in his D.O. Letter No.8446/09/L dated 30.01.2009 addressed to the District Collector Krishnagiri had stated that the S.F.No.329, in which the quarry lease had been granted to Thiru. P. Subramani had been proposed for Section 4 Notification under Tamil


MEMBER SECRETARY
SEAC -TN

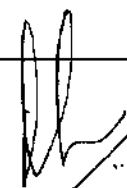

CHAIRMAN
SEAC- TN

Nadu Forest Act 1882 and issue of transport permits were stopped as per the request. Thiru. P. Subramani had been directed to stop the quarrying activity in the said area.

5. Subsequently, the District Forest Officer, Hosur after verification had Stated that the S.F.No.329 of Halekottah Village of Hosur Taluk had been classified as unassessed waste in Revenue records and further he had stated that the Forest Department has no objection for carrying out rough stone quarrying activity in S.F.No.329.
6. Hence the lessee Thiru. P. Subramani had been allowed to continue the quarrying activity in the said area and dispatch slip had been issued to him from 28.02.2013 up to the lease period.
7. The Hon'ble High Court Madras vide the order dated 11.03.2019 in W.M.P.No.40403 & 40404/2018 in W.P No.34852/2018 had allowed the writ petition with a direction to the respondents to extend lease for the non-operative period of four years.
8. District Collector, Krishnagiri in the precise area letter no. Roc.126/2018/Mines dated 29.07.2019 extended the lease period for a further period of Four Years from the date of issue of transport permit.
9. As per the mining plan the lease period is 4 Years from the date of issue of transport permit. The mining plan is for the period of four years (01.08.2019 to 31.07.2023) & production should not exceed 499018m³ of Rough stone. The ultimate depth is 71m (36m AGL & 35m BGL).
10. ToR issued by SEIAA-TN vide Lr No. SEIAA-TN/F.No.7688/SEAC/ToR-772/2020 Dated:06.10.2020.
11. Minutes of Public Hearing Conducted on 10.08.2021.
12. EIA Report Submitted on 27.10.2021.
13. The salient features of the proposed project as follows

| | | | |
|---------|---|----------|------|
| File No | 7688 | Category | B1 |
| | Online Number - 54924/2020 Dt. 21.07.2020 | | 1(a) |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| Sl. No | Salient Features of the Proposal | | |
|--------|---|--|--------------------------------------|
| 1. | Name of the Owner/Firm | : Thiru.P.Subramani, S/o.Pappireddy, Halekottah Village, Hosur Taluk, Krishnagiri - 635 119. | |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : Rough Stone | |
| 3. | S.F Nos. of the quarry site with area break-up | : 329 (Part-4) | |
| 4. | Village in which situated | : Halekottah | |
| 5. | Taluk in which situated | : Hosur | |
| 6. | District in which situated | : Krishnagiri | |
| 7. | Extent of quarry (in ha.) | : 5.00.0 Ha | |
| 8. | Latitude & Longitude of all corners of the quarry site | : 12°39'32.11"N to 12°39'39.56"N 77°55'15.04"E to 77°55'26.89"E | |
| 9. | Topo Sheet No. | : 57 H/14 | |
| 10. | Type of mining | : Opencast mechanized mining | |
| 11. | Life of Project | : 4 Years | |
| | Lease Period | : 4 Years from the date of issue of transport permit | |
| | Mining Plan Period | : 4 Years (01.08.2019 to 31.07.2023) | |
| 12. | Mining Plan Details | : As per approved Mining Plan Rough Stone | : As modified by SEAC Rough Stone |
| | Geological Resources m ³ (RoM) | : 10,22,277 m ³ | : 9,35,172 m ³ |
| | Minable Resources m ³ (RoM) | : 4,99,018 m ³ | : 3,75,486 m ³ |
| | Annual Peak Production in m ³ | : 2,14,077 m ³ | : 1,88,928 m ³ |
| | Maximum Depth in meters | : 71m (36m AGL + 35m BGL) | : 67 m (36m AGL + 31 m BGL) |
| 13. | Depth of water table | : 70-65m BGL | |
| 14. | Man Power requirement per day: | : 18 Employees | |

| | | | | | | | | | | | | | |
|----------------------------------|---|---|--|----------|---|--|-------------|---------------------------------|-------------------------|----------------------------------|-------------------------|------------------------------|-------------------------|
| 15. | Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt | : | 6.17 KLD 0.67 KLD 4.50 KLD 1.00 KLD | | | | | | | | | | |
| 16. | Power requirement | | TNEB 399456 Liters of HSD | | | | | | | | | | |
| 17. | Precise area communication approved by the District Collector. | : | Rc.No.126/2018/Mines, dated: 29.07.2019 | | | | | | | | | | |
| 18. | Mining Plan approved by Assistant Director of Geology and Mining | : | Rc.No.126/2008/Mines, dated: 26.11.2019 | | | | | | | | | | |
| 19. | Assistant Director of Geology and Mining, 500m Cluster Letter | | Rc.No.126/2008/Mines, dated: 28.11.2019 | | | | | | | | | | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | | Letter dated 29.11.2019 | | | | | | | | | | |
| 21. | Project Cost (excluding EMP cost) | : | Rs. 57,25,000/- | | | | | | | | | | |
| 22. | EC Recommendation | : | <table border="1"> <tr> <td>Validity</td> <td>30 years subject to the following upper limits.</td> </tr> <tr> <td></td> <td>Rough Stone</td> </tr> <tr> <td>Max Total RoM in m³</td> <td>3,75,486 m³</td> </tr> <tr> <td>Annual Max RoM in m³</td> <td>1,88,928 m³</td> </tr> <tr> <td>Ultimate Workable Depth in m</td> <td>67m (36m AGL + 31m BGL)</td> </tr> </table> | Validity | 30 years subject to the following upper limits. | | Rough Stone | Max Total RoM in m ³ | 3,75,486 m ³ | Annual Max RoM in m ³ | 1,88,928 m ³ | Ultimate Workable Depth in m | 67m (36m AGL + 31m BGL) |
| Validity | 30 years subject to the following upper limits. | | | | | | | | | | | | |
| | Rough Stone | | | | | | | | | | | | |
| Max Total RoM in m ³ | 3,75,486 m ³ | | | | | | | | | | | | |
| Annual Max RoM in m ³ | 1,88,928 m ³ | | | | | | | | | | | | |
| Ultimate Workable Depth in m | 67m (36m AGL + 31m BGL) | | | | | | | | | | | | |
| 23. | EMP cost (in Rs. Lakh). | : | Capital cost :Rs. 38,02,000 /- Recurring Cost/annum : Rs. 26,37,231 /- | | | | | | | | | | |
| 24. | CER cost (in Rs. Lakh). | : | Rs.5,00,000/- | | | | | | | | | | |
| 25. | Tor Issued | | Lr. No. SEIAA-TN/F.No.7688/SEAC/TOR-772/2020 Dated: 06.10.2020 | | | | | | | | | | |
| 26. | Public Hearing | | 10.08.2021 | | | | | | | | | | |

| | | |
|-----|----------------------|------------|
| 27. | EIA Report Submitted | 27.10.2021 |
|-----|----------------------|------------|

Earlier, this proposal was placed in the 302nd meeting of SEAC held on 17.08.2022. Based on the presentation made by the proponent SEAC decided to obtain the following details from the PP.

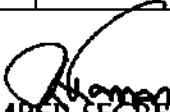
- The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests (Sanamvu & others), Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.

Subsequently, this proposal was placed in the 547th meeting of SEIAA held on 30.08.2022. After detailed discussion, the Authority decided to obtain following details from the PP in addition to the above.

- The PP shall carry out a study on impacts of mining on Wildlife outside the forest area and Elephant trail. Does the proposed project area locate on the Elephant Corridor?
- The impacts of mining on flora, fauna & soil microorganisms in the mining area shall be studied.
- The PP shall furnish details of soil erosion management and soil conservation plan.
- Impacts of mining on the waterbodies situated in the vicinity of the project area shall be studied.

On the receipt of the same it was again placed in the 396th meeting of SEAC held on 28.07.2023. During the meeting the PP has made the representation along with the above said details.

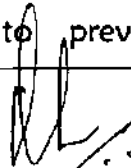
| S.No | SEAC Query | Reply submitted by the PP |
|------|--|--|
| 1. | The PP shall furnish DFO letter stating that the proximity distance of Reserve Forest (Sanamavu & Others), Protected areas Sanctuaries, Tiger Reserve etc., upto a radius of 25km from the proposed site | Letter obtained from the District Forest Officer Dated 03.05.2023. The Nearest Forest is Sanamavu R.F. 200m West side |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


| | | |
|--------------------|--|---|
| | | Nearest wild life Sanctuary – Cauvery (North) Wild life Sanctuary 13.10 Km – South West |
| SEIAA Query | | |
| 2. | The PP shall carry out a study on impact of mining on Wildlife outside the forest area and Elephant trail. Does the proposed project area locate on the Elephant Corridor? | No elephant corridor within the radius of 10km, and the project will not impact to the elephant activity (EIA report, Chapter No 2, Page No 18) |
| 3. | The impacts of mining on flora, fauna & soil microorganism in the mining area shall be studied. | The entire area is hilly terrain and is devoid of major vegetation. It doesn't not sustain any vegetation and this proposed mining operation will not have significant impact on the flora, fauna & soil microorganism in the mining area. The anticipated impact on flora and fauna has been studied in the EIA report Chapter No.4 |
| 4. | The PP shall furnish details of soil conservation plan. | The area is covered by thin layer of topsoil formation and the average thickness is about 1 m, the excavated topsoil will be dumped separately in safety barrier zone and subsequently will be utilized in spreading over reclaimed areas for plantation • Run-off diversion – Garland drains will be constructed all around the project boundary to prevent |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | |
|----|---|---|
| | | <p>surface flows from entering the quarry works areas. And will be discharged into vegetated natural drainage lines, or as distributed flow across an area stabilized against erosion.</p> <ul style="list-style-type: none"> • Retain vegetation – Retain existing or re-plant the vegetation at the site wherever possible. • Monitoring and maintenance – Weekly monitoring and daily maintenance of erosion control systems so that they perform as specified specially during rainy season |
| 5. | Impacts of mining on the waterbodies situated in the vicinity of the project area shall be studied. | <ul style="list-style-type: none"> • There are no streams, canals or water bodies crossing within the project area. There are few water bodies located within 5km radius of the proposed project area. • Odai – 550m – South East • Water table in this area is 68m depth. The depth of the proposed area is only 71m (36AGL + 35m BGL). Hence this proposed project will not cause any significant impacts on the water table in this area. |

The SEAC noted that the PP had agreed and given an affidavit stating that he shall carry out the mitigation measures considering the existence of Sanamavu Reserved Forest within 1 km from the proposed quarry site.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Further, the SEAC carefully examined the replies and based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 1,88,928 m³ of ROM which includes 1,79,483 m³ of Rough stone @95% recovery and 9445 m³ of mine waste by maintaining the ultimate depth of mining upto 67 m (36m AGL + 31m BGL) and 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, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The Committee directed the Project Proponent to comply with all the non-compliances within a period of six months from the date of execution of lease as stipulated in the sworn affidavit submitted accordingly in this regard.
3. The proponent shall develop fencing all around the abandoned pits situated near the proposed project area in order to ensure safety before the execution of the lease.
4. Since the structures are situated within a radial distance of 600 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. 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.

5. The PP shall furnish a Standard Operating Procedures (SOP) for carrying out the blasting operations and traffic management of haul trucks to control the dust pollution, for the safety & health of persons living within a radial distance of 1 km to the concerned AD (Mines) at the time of lease execution.
6. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 3rd year or when the depth exceeds 30m whichever is earlier, by involving any one of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. 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.
7. As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the activities as committed towards Government Middle School, Thuppuganapalli Village before obtaining CTO from TNPCB.

Agenda No: 396-02

(File No: 8024/2020)

Proposed Multi Colour Granite Quarry over an Extent of 2.98.0 Ha at S.F.No. 568/1, 575/2 (P) & 621/2(P) of Subramaniapuram Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu by M/s. Pokarna Limited -For Environmental Clearance (SIA/TN/MIN/ 179859/2020, Dt: 26.10.2020).

The proposal was placed in this 396th meeting of SEAC held on 28.07.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Pokarna Limited has applied for Environmental Clearance for the Proposed Multi Colour Granite Quarry over an Extent of 2.98.0 Ha at S.F.No. 568/1, 575/2 (P) & 621/2(P) of Subramaniapuram Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" of Item 1(a)


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

"Mining Projects" of the Schedule to the EIA Notification, 2006.

3. The quarry lease was granted vide G.O.3(D) No. 12, Industries (MMB.2) Department Dated 25.01.2007 for a period of Twenty years. The quarry lease deed was executed on 07.03.2007 and the lease period is valid upto 06.03.2027.
4. Subsequently, Environmental clearance was obtained from SEIAA, Tamil Nadu vide Lr.No.SEIAA-TN/F.No.5160/EC/1(a)/3648/2016 dated 08.08.2016 for the Multi Colour Granite Quarry over an Extent of 2.98.0 Ha at S.F.No. 568/1, 575/2 (P) & 621/2(P) of Subramaniapuram Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu for the quantity of 2200 cu.m of Multi Colour Granite upto a depth of 32m for the period of 2 years.
5. Further, Environmental clearance was obtained from DEIAA, vide Lr.No.DEIAA/VNR/103/EC.No.41/2018 dated 08.12.2018 for the Multi Colour Granite Quarry over an Extent of 2.98.0 Ha at S.F.No. 568/1, 575/2 (P) & 621/2(P) of Subramaniapuram Village, Sivakasi Taluk, Virudhunagar District, Tamil Nadu for the quantity of 713 cu.m of Multi Colour Granite upto a depth of 32m for the period of 1 year.
6. The PP has obtained Certified Compliance Report vide Lr.No. E.P/12.1/2022-23/SEIAA/242/TN/154 dated: 30.02.2023.
7. The Proceedings of the District Collector, Virudhunagar vide Rc.No.KV1/138/2017 states that

"...In view of the above, in as much as the lessee Company Tvl.Pokarna Ltd., and the Manager of the said Company have accepted the action of removal of overburden earth in the non-lease hold area to form approach road to the working pit and non-allowing of 7.5 safety distance to the adjacent patta lands which are violations as per Section 4(1)(A) of Mines and Minerals (Development and Regulation) Act, 2015 and as per the order granting the lease and the lease deed, for which a sum of Rs.2,50,000/- (Rupees Two Lakh Fifty Thousand only) is levied as penalty on the lessee Company Tvl.Pokarna Ltd., as per Rule 36-A(1) of Tamil Nadu Minor Mineral Concession Rules 1959".

8. A letter from AD Mines vide Rc.No.KV1/138/2017 dated:24.05.2023 states that

"...In this record it is informed since the project proponent had remitted


Rs 18,38,781/- (Rupees Eighteen Lakh Thirty-Eight Thousand Seven Hundred and Eighty-One only) raised towards Environment Violations now the said projects will not fall under violation category and also informed the mining was carried out within the lease out area only”.

9. Now, the 3rd Scheme of quarrying (2022 to 2027) along with Progressive Quarry Closure Plan is prepared and got approved from State Geology and Mining Department, Guindy, Chennai.

Earlier, this proposal was placed in this 370th meeting of SEAC held on 25.04.2023. Based on the presentation made by the proponent, SEAC decided to call for details as follows to check whether it comes under violation or not.


- The PP shall furnish a letter obtained from AD/DD Mine & Geology with respect to exact depth of existing pit, period of the operation and stoppage of the earlier mining operation & quantity of minerals mined out accordingly.
- The PP shall furnish month-wise excavation of minerals and bulk transport permits issued by the competent authority.
- The copy of demand notice served on total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP.
- PP shall furnish a letter from AD/DD mines stating that the project will not fall under violation category, clearly stating whether mining has been carried out in non-EC area.
- The PP shall explain with adequate reasons for not maintaining the mandatory safety barrier of 7.5m as stated in the Mining Plan approved by the Competent authority and also stipulated in the previous EC granted by the SEIAA-TN.
- The proponent shall enumerate on the details of the all the structures including the fireworks factories located within 300m radius from the proposed mine lease area indicating the occupants of such structures, working hours and ownership of the structures whether it belongs to the PP (or) not, etc.

On the receipt of the replies, the proposal was again placed in 396th meeting of SEAC held on 28.07.2023. During the meeting the PP has made the representation along the above said details.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| S.No | SEAC Query | Reply submitted by the PP | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|--|--|-----------------------------|--|--|--|--------|------|--------------|-----------|---|-----------|----|-------|---|-----------|----|---------|---|-----------|-----|---------|---|-----------|---|---|---|-----------|---|--------|---|-----------|----|---------|---|-----------|-----|----------|---|-----------|-----|----------|---|-----------|-----|---------|----|-----------|-----|---------|----|-----------|-----|---------|----|-----------|-----|---------|----|-----------|----|---------|--|--------------|-------------|-----------------|
| 1. | The PP shall furnish a letter obtained from AD/DD Mine & Geology with respect to exact depth of existing pit, period of the operation and stoppage of the earlier mining operation & quantity of minerals mined out accordingly. | The Letter obtained from AD/DD Mines & Geology dated: 24.05.2023 stating that "...The depth of existing pit varies from 11 m to 20 m in the lease area. In SF.No.621/2 (P) the depth is found as 11 m and in SF.No.568 the depth is found as 20 m. The average depth is noticed in the mined-out pit is 15.5 m. The quarry was under operation during the period from 2007 to 2019, and stopped during December 2019. Quantity of Granite blocks excavated during the said period is 8,556.832 Cbm". | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | The PP shall furnish month-wise excavation of minerals and bulk transport permits issued by the competent authority. | <table border="1"> <thead> <tr> <th colspan="4">Years July 2007 to Dec 2020</th> </tr> <tr> <th>Sl. No</th> <th>Year</th> <th>No of Blocks</th> <th>Total Cum</th> </tr> </thead> <tbody> <tr><td>1</td><td>2007-2008</td><td>87</td><td>880.7</td></tr> <tr><td>2</td><td>2008-2009</td><td>54</td><td>380.033</td></tr> <tr><td>3</td><td>2009-2010</td><td>116</td><td>733.763</td></tr> <tr><td>4</td><td>2010-2011</td><td>0</td><td>0</td></tr> <tr><td>5</td><td>2011-2012</td><td>2</td><td>16.662</td></tr> <tr><td>6</td><td>2012-2013</td><td>99</td><td>510.638</td></tr> <tr><td>7</td><td>2013-2014</td><td>336</td><td>1647.732</td></tr> <tr><td>8</td><td>2014-2015</td><td>215</td><td>1186.204</td></tr> <tr><td>9</td><td>2015-2016</td><td>105</td><td>848.137</td></tr> <tr><td>10</td><td>2016-2017</td><td>155</td><td>679.748</td></tr> <tr><td>11</td><td>2017-2018</td><td>117</td><td>729.734</td></tr> <tr><td>12</td><td>2018-2019</td><td>176</td><td>586.846</td></tr> <tr><td>13</td><td>2019-2020</td><td>88</td><td>356.635</td></tr> <tr><td></td><td>Total</td><td>1550</td><td>8556.832</td></tr> </tbody> </table> | Years July 2007 to Dec 2020 | | | | Sl. No | Year | No of Blocks | Total Cum | 1 | 2007-2008 | 87 | 880.7 | 2 | 2008-2009 | 54 | 380.033 | 3 | 2009-2010 | 116 | 733.763 | 4 | 2010-2011 | 0 | 0 | 5 | 2011-2012 | 2 | 16.662 | 6 | 2012-2013 | 99 | 510.638 | 7 | 2013-2014 | 336 | 1647.732 | 8 | 2014-2015 | 215 | 1186.204 | 9 | 2015-2016 | 105 | 848.137 | 10 | 2016-2017 | 155 | 679.748 | 11 | 2017-2018 | 117 | 729.734 | 12 | 2018-2019 | 176 | 586.846 | 13 | 2019-2020 | 88 | 356.635 | | Total | 1550 | 8556.832 |
| Years July 2007 to Dec 2020 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sl. No | Year | No of Blocks | Total Cum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 2007-2008 | 87 | 880.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 2008-2009 | 54 | 380.033 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 2009-2010 | 116 | 733.763 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 2010-2011 | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 2011-2012 | 2 | 16.662 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 2012-2013 | 99 | 510.638 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 2013-2014 | 336 | 1647.732 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | 2014-2015 | 215 | 1186.204 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 2015-2016 | 105 | 848.137 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | 2016-2017 | 155 | 679.748 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | 2017-2018 | 117 | 729.734 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | 2018-2019 | 176 | 586.846 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | 2019-2020 | 88 | 356.635 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Total | 1550 | 8556.832 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | The copy of demand notice served on total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP. | <ul style="list-style-type: none"> Project proponent had remitted Rs 18,38,781/- raised towards Environment Violations since EC was obtained on 08.08.2016 based on EC application dated 22.03.2016. Rs.2,50,000/- is levied as penalty on the lessee Company for non-allowing of 7.5 safety distance to the adjacent patta lands. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | |
|----|--|--|
| 4. | PP shall furnish a letter from AD/DD mines stating that the project will not fall under violation category, clearly stating whether mining has been carried out in non-EC area. | <i>The Letter obtained from AD/DD Mines & Geology dated:24.05.2023 stating that "...In this record it is informed since the project proponent had remitted Rs 18,38,781/- (Rupees Eighteen Lakh Thirty-Eight Thousand Seven Hundred and Eighty-One only) raised towards Environment Violations now the said projects will not fall under violation category and also informed the mining was carried out within the lease out area only".</i> |
| 5. | The PP shall explain with adequate reasons for not maintaining the mandatory safety barrier of 7.5m as stated in the Mining Plan approved by the Competent authority and also stipulated in the previous EC granted by the SEIAA-TN. | PP confused with boundary line later during DGPS survey the correct boundary was demarcated. |
| 6. | The proponent shall enumerate on the details of the all the structures including the fireworks factories located within 300m radius from the proposed mine lease area indicating the occupants of such structures, working hours and ownership of the structures whether it belongs to the PP (or) not, etc. | There is no structures within 100m radius. There is one firework (120m) and one fireworks shop (142m) located within 200-300m. In 200-300m there are two fireworks. One is located at 200m on northern side and another one is at 229m (Abandoned) on SW side. No of persons working- 20 Working Hours – 8 hours (General shift) There are no structures belonging to PP within in 300m Radius. There is no habitation within 300m Radius from the lease area. |

The SEAC carefully examined the replies given by the PP and noted that

"....value of mined material was recovered in terms of judgment in Common Cause (2017) 9 SCC 499, prs 128-129 in view of section 21(5) of the MMDR Act, apart from compensation for damage to the environment...."


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Further, the SEAC observe the Judgment delivered in the National Green Tribunal Protection of Environment and ... vs Union Of India Through Its ... on 14 November, 2022 which states that

".....We do not see any difficulty in approving the proposed action but the same cannot take care of all situations if it is found that the damage caused and cost of restoration of ecology to be incurred is higher. The same must be recovered fully on the principle of `Polluter Pays. This apart, the cost of damages must include net present value of future eco system services foregone....."

Therefore, based on the presentation and documents furnished by the project proponent, SEAC decided to grant of Terms of Reference (TOR) under Violation category, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. The grant of Terms of Reference (TOR) under Violation category does not entail EC which is subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 prepared by the accredited consultants within a period of one year from the issue of this specific ToR, comprises of assessment of ecological damage for the project activities carried out during the violation period, and the remediation plan and natural & community resource augmentation plan corresponding to the ecological damage assessed and economic benefit derived due to violation as a condition of Environmental Clearance.
2. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
3. Copy of valid mining lease approval obtained from the competent Authority.

4. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date.
5. Copy of approved review of scheme of mining plan by the competent authority of the Dept of Geology and Mining.
6. Copy of 'No Objection Certificate' for the total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP.
7. Details of habitations and fireworks around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
9. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
10. 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.
11. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
12. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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

20. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
21. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
22. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
23. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
24. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
25. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

26. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.
27. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
28. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
29. Impact on local transport infrastructure due to the Project should be indicated.
30. A tree survey study shall be carried out (nos., name of the species, age, diameter etc..) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
31. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
32. Public Hearing points raised and commitments of the Project Proponent on the same along with time bound Action Plan with budgetary provisions to implement the same should be provided and also incorporated in the final EIA/EMP Report of the Project and to be submitted to SEIAA/SEAC with regard to the Office Memorandum of MoEF& CC accordingly.
33. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
34. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
35. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
36. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to

- improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the
37. 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.
 38. 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
 39. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
 40. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
 41. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
 42. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
 43. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.
 44. Details of litigation pending against the project, if any, with direction /order passed by any Court of Law against the Project should be given.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

45. Benefits of the Project if the Project is implemented should be spelt out. The benefits of the Project shall clearly indicate environmental, social, economic, employment potential, etc.
46. If any quarrying operations were carried out in the proposed quarrying site for which now the EC is sought, the Project Proponent shall furnish the detailed compliance to EC conditions given in the previous EC with the site photographs which shall duly be certified by MoEF&CC, Regional Office, Chennai (or) the concerned DEE/TNPCB.
47. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
48. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.


Agenda No. 396-03

(File No.8598/2023)

Proposed Rough stone & Gravel Quarry lease over an Extent of 0.63.0Ha (patta land) at S.F.Nos. 76/1(P) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. NTC Blue Metals LLP – For Environmental Clearance (SIA/TN/MIN/417641/2023 dated: 09.02.2023).

The proposal was placed in 396th Meeting of SEAC held on 28.07.2023. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in). The SEAC noted the following:

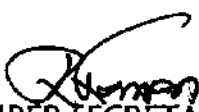
1. The Proponent, M/s. NTC Blue Metals LLP has applied for Environmental Clearance for the Proposed Rough stone & Gravel Quarry lease over an Extent of 0.63.0Ha (patta land) at S.F.Nos. 76/1(P) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued by SEIAA-TN vide Lr No. SEIAA-TN/F.No.8598/SEAC/ToR-1023/2021 Dated:26.08.2021.



MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


4. Earlier in the ToR issued, the depth was restricted to 25m and production should not exceed 42,712 m³ of Rough Stone and 7,888 m³ of Gravel. The Annual peak production as per mining plan is 9120 m³ of rough stone & 7888 m³ of Gravel with ultimate depth – 25m BGL.
5. ToR Amendment issued by SEIAA-TN vide Letter No. SEIAA-TN/F.No.8598/1(a)/ToR-1023/2021/Amendment/ Dated:17.10.2022.
6. Minutes of Public Hearing Conducted on 15.12.2022.
7. EIA Report Submitted on 10.02.2023.
8. The salient features of the proposed project as follows

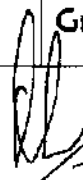
| File No | 8598 | | Category | B1 |
|---------|---|---|---|------|
| | Online Number - 417641/2023 Dt. 09.02.2023 | | | 1(a) |
| Sl. No | Salient Features of the Proposal | | | |
| 1. | Name of the Owner/Firm | : | Tvl. NTC Blue Metals Llp, Mr.S.Muthusamy, Rasampalayam, Keelsathambur Namakkal-637207. | |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough Stone & Gravel | |
| 3. | S.F Nos. of the quarry site with area break-up | : | 76/1 (part) | |
| 4. | Village in which situated | : | Kuppam | |
| 5. | Taluk in which situated | : | Pugalur | |
| 6. | District in which situated | : | Karur | |
| 7. | Extent of quarry (in ha.) | : | 0.63.0Ha | |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 10°59'50.56" N to 10°59'53.69" N 77°57'34.30"E to 77°57'36.99"E | |
| 9. | Topo Sheet No. | : | 58 F/13 | |
| 10. | Type of mining | : | Opencast Semi Mechanized Mining | |
| 11. | Life of Project | : | 5 Years | |
| | Lease Period | : | 5 Years | |
| | Mining Plan Period | : | 5 Years | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | Mining Plan Details | : | As per approved Mining Plan | |
|-----|--|---|--|--|
| | | | Rough Stone | Gravel |
| 12. | Geological Resources m ³ (RoM) | : | 176624m ³ | 12616m ³ |
| | Minable Resources m ³ (RoM) | : | 43432m ³ | 7888m ³ |
| | Annual Peak Production in m ³ | : | 9120m ³ | 7888m ³ |
| | Maximum Depth in meters | : | 25m BGL | |
| 13. | Depth of water table | : | 55m Rainy Season – 60m Summer Season | |
| 14. | Man Power requirement per day: | : | 27 Nos. | |
| 15. | Water requirement: 4. Drinking water 5. Dust suppression 6. Green belt | : | 5.0 KLD 2.0 KLD 1.75 KLD 1.25 KLD | |
| 16. | Power requirement | : | TNEB 399456 Liters of HSD | |
| 17. | Precise area communication approved by the Assistant Director of Geology & Mining. | : | Lr.No.619/Mines/2020, dated: 07.06.2021 | |
| 18. | Mining Plan approved by Deputy Director, Department of Geology and Mining | : | Lr.No.619/Mines/2020, dated: 22.06.2021 | |
| 19. | Deputy Director, Department of Geology and Mining, 500m Cluster Letter | : | Lr.No.619/Mines/2020, dated: 22.06.2021 | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | : | Letter dated: 17.06.2021 | |
| 21. | Project Cost (excluding EMP cost) | : | Rs. 31,94,000/- | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. Rough Stone Gravel |


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN


| | | | | | |
|-----|-------------------------|---|---|----------------------|---------------------|
| | | : | Max Total RoM in m ³ | 42712 m ³ | 7888 m ³ |
| | | : | Annual Max RoM in m ³ | 9120 m ³ | 7888 m ³ |
| | | : | Max Depth in m | 25m BGL | |
| 23. | EMP cost (in Rs. Lakh). | : | Capital cost :Rs. 16,06,000 /- Recurring Cost/annum : Rs. 16,92,348 /- | | |
| 24. | CER cost (in Rs. Lakh). | : | Rs.5,50,000/- | | |
| 25. | Tor Issued | | Lr No. SEIAA-TN/F.No.8598/SEAC/ToR- 1023/2021 Dated:26.08.2021 | | |
| 26. | Public Hearing | | 15.12.2022 | | |
| 27. | EIA Report Submitted | | 10.02.2023 | | |

Earlier, this proposal was placed in the 371st Meeting of SEAC held on 26.04.2023. Based on the presentation made by the proponent, SEAC noted that there was a fatal accident in the mine operated by PP because the safety rules were not followed. Hence, the Committee decided to obtain the following from the PP.

- i. The PP shall submit details of the accidents that occurred earlier in the proposed quarry.
- ii. A copy of enquiry report by the AD, G&M, on the above accidents.
- iii. The PP shall submit the details of criminal cases if any pending against the PP/mine.
- iv. The PP shall furnish the details of trees in the mining area and how many trees are proposed to be removed.

On the receipt of the replies, the proposal was again placed in the 396th meeting of SEAC held on 28.07.2023. During the meeting the PP has made the representation along the above said details.


The SEAC carefully examined the replies and Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 9120 m³ of rough stone only by maintaining the ultimate depth of mining upto 25m BGL and subject to the standard conditions as per the Annexure I of this


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

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, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The proponent shall develop fencing all around the abandoned pits situated near the proposed project area in order to ensure safety before the execution of the mine lease which shall be ensured by the concerned AD (Mines).
3. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-BHU/Varanasi, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus. 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.
4. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
5. As accepted by the Project Proponent the CER cost of Rs. 2.50 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Uppupalayam Village and additional Rs. 3 lakhs for providing shed & water supply to the nearby burial ground before obtaining CTO from TNPCB.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No. 396-04

(File No.9158/2023)

Proposed Rough stone quarry over an extent of 1.23.0 Ha at S.F.Nos. 289/1, 290/1B & 290/2 of Karudayampalayam Village, Pugalur Taluk, Karur District, Tamil Nadu by M/s. Ram Blue Metals – For Environmental Clearance (SIA/TN/MIN/424880/2023 dated: 05/04/2023).

The proposal was placed in 396th Meeting of SEAC held on 28.07.2023. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in). The SEAC noted the following:

1. The Proponent, M/s. Ram Blue Metals, has applied for Environmental Clearance for the Proposed Rough stone quarry over an extent of 1.23.0 Ha at S.F.Nos. 289/1, 290/1B & 290/2 of Karudayampalayam Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category “B1” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. The mining plan is for the period of 5 years & production should not exceed 1,04,248 cu.m of Rough Stone. The ultimate depth - 35 m BGL.
4. Earlier, EC was accorded to the proponent vide Lr.No.SEIAA-TN/F.No.3698/EC/1(a)/2717/2015 dated.08.01.2016 for the quantity of 119353 cu.m of rough stone upto a depth of 27m.
5. CCR From MoEF&CC, IRO (SZ) vide E.P/12.1/2022-23/SEIAA/58/TN/696 Dt:08.07.2022.
6. ToR along with Public Hearing issued vide Lr No. SEIAA-TN/F.No.9158/SEAC/ToR-1243/2022 Dated:07.09.2022.
7. Earlier in the ToR issued, the depth was restricted to 30m & production should not exceed 94,858 m³ of Rough Stone.
8. Minutes of Public Hearing Conducted on 28.02.2023.
9. EIA Report Submitted on 06.04.2023.
10. The salient features of the proposed project as follows

| | 9158 | Category | 1(a) f B1 |
|--|------|----------|-----------|
|--|------|----------|-----------|


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | |
|---------|---|---|---|
| File No | Online Proposal: SIA/TN/MIN/424880/2023 dated: 05/04/2023 | | EC |
| Sl. No | Salient Features of the Proposal | | |
| 1. | Name of the Owner/Firm | : | M/s.Ram Blue Metals, S.F. No290/1B,289/1,290/2, Karudayampalayam Village. Pugalur Taluk, Karur. |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough Stone quarry |
| 3. | S.F Nos. of the quarry site with area break-up | : | 290/1B, 289/1 & 290/2 |
| 4. | Village in which situated | : | Karudayampalayam |
| 5. | Taluk in which situated | : | Pugalur |
| 6. | District in which situated | : | Karur |
| 7. | Extent of quarry (in ha.) | : | 1.23.0Ha |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 10°56'48.90"N to 10°56'52.59"N 77°58'10.23"E to 77°58'16.80"E |
| 9. | Topo Sheet No. | : | 58 - F/13 |
| 10. | Type of mining | : | Opencast Semi Mechanized Method Mining |
| 11. | Life of Project | : | 5 years |
| | Lease Period | : | 5 years |
| | Mining Plan Period | : | 5 years |
| 12. | Mining Plan Details | : | As per approved Mining Plan |
| | Geological Resources m ³ (RoM) | : | Rough Stone- 272384 m ³ |
| | Minable Resources m ³ (RoM) | : | Rough Stone - 104248m ³ |
| | | | As modified by SEAC |
| | | | Rough Stone- 272384 m ³ |
| | | | Rough Stone - 104248m ³ |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | |
|-----|--|---|---|---|
| | Annual Peak Production in m3 | : | Rough Stone – 21038 m ³ | Rough Stone – 21038 m ³ |
| | Maximum Depth in meters | : | 30m BGL | |
| 13. | Depth of water table | : | 65m Summer Season – 55m Rainy Season | |
| 14. | Man Power requirement per day: | : | 21 Nos. | |
| 15. | Water requirement: Drinking water Utilized Water Dust suppression Green belt | : | 3.0 KLD 0.2 KLD 0.8 KLD 1.0 KLD 1.0 KLD | |
| 16. | Power requirement | : | TNEB 83392 Liters of HSD for the entire period of life | |
| 17. | Precise area communication approved by the Deputy Director, Department of Geology and Mining | : | Rc.No. 293/Mines/2022, Dated: 10.03.2022 | |
| 18. | Mining Plan approved by Deputy Director, Department of Geology and Mining. | : | Rc.No. 293/Mines/2021, Dated: 29.03.2023 | |
| 19. | Deputy Director and Department of Geology and Mining 500m Cluster Letter | : | Rc.No. 293/Mines/2021, Dated: 01.04.2022 | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | : | Letter Dated:05.04.2022 | |
| 21. | Project Cost (excluding EMP cost) | : | Rs.43,00,000/- | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. |
| | | : | | Rough Stone |
| | | : | Max Total RoM in m ³ | 94858 m ³ |
| | | : | Annual Max RoM in m ³ | 21038 m ³ |

| | | | | |
|-----|-------------------------|---|---|---------|
| | | : | Max Depth in mtrs | 30m BGL |
| 23. | EMP cost (in Rs. Lakh). | : | Rs.98,95,484/- | |
| 24. | CER cost (in Rs. Lakh). | : | Rs. 5,00,000 /- as accepted by the PP | |
| 25. | Tor Issued | | Lr No. SEIAA-TN/F.No.9158/SEAC/ToR-1243/2022 Dated:07.09.2022 | |
| 26. | Public Hearing | | 28.02.2023 | |
| 27. | EIA Report Submitted | | 06.04.2023 | |

Earlier, this proposal was placed in this 386th Meeting of SEAC held on 23.06.2023. Based on the presentation made by the proponent, the SEAC called for the following details from the PP.

- 1) The proponent is requested to submit the Year wise bulk transport permit (as per appendix XII – TNMMCR, 1959) issued by the competent authority to the lessee.
- 2) PP shall furnish the registered consent obtained from the pattadhars for all the survey numbers of the mine lease area.
- 3) Besides, the structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc.
- 4) The Committee noted that there is non-compliance of many of the conditions as stipulated in the EC granted earlier as per the Certified Compliance Report, submitted by the proponent. Hence, the proponent shall comply with all other necessary conditions as per the earlier EC issued dated. 08.01.2016 given below:
 - i. The proponent shall install the 'S3 (or) G2' type of fencing all around the boundary of the proposed quarry with gates for entry/exit as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs & drone video showing the same.
 - ii. As per the EC issued earlier, the proponent shall complete the thick vegetation work by planting the native species of two rows on all sides of the lease area at the rate of 400 numbers /Ha. Besides, at least 10


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

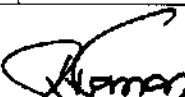
- numbers of Neem tree should be planted around the boundary of the quarry site.
- iii. The PP shall submit photographic evidences indicating Garland drain all around the boundary of the project area.
 - iv. The PP shall furnish proof of separate account for maintaining the funds earmarked for Environmental Protection Measures.
 - v. The PP shall provide proof of solar lighting system provided to the nearby village.
 - vi. The PP shall show the evidence of insurance paid for the persons employed.
 - vii. The PP shall show the record of carrying out the Free Silica Test for the persons employed in the mines and health condition of the local persons living within a radius of 1 km radius from the DGMS approved OHS Clinic/Hospital/Medical Practitioners'.
 - viii. The PP shall show the records of air quality and ground water monitoring carried out.
 - ix. The PP shall carry out the risk assessment studies on the existing quarry and shall submit a Risk Management Plan accordingly.


On the receipt of the replies, the proposal was again placed in the 396th meeting of SEAC held on 28.07.2023. During the meeting the PP has made the representation along the above said details.

| S. No | SEAC Query | REPLY submitted by the PP |
|-------|--|--|
| 1 | The proponent is requested to submit the Year wise bulk transport permit (as per appendix XII-TNMMCR. 1959) issued by the competent authority to the lessee. | Department of Geology and Mining issued the bulk transport permit letter for the lease period from 20.01.2016 to 19.01.2021 mentioned that the quantity for permit issued is 16200cbm. |
| 2 | Project proponent shall furnish the registered consent obtained from the pattadhars for all the survey numbers of the mine lease area. | Consent registered on 08.04.2022 for the S.F.No's: 289/1, 290/1B, & 290/2 from K. Rajendiran to managing partner R. Jayanthi. |
| 3 | Besides. the structures within the radius of (i) 50m (ii) 100m (iii) | Structures within the radius of 50m, 100m, 200m and 300m had enumerated |

| | | |
|---|--|--|
| | 200m (iv) 300m shall be enumerated with details such as dwelling houses with number of occupants, Place, of worship. Industries, factories. Sheds, etc. | in details and submitted in EIA report. No habitation, dwelling houses, places of worship, factories, and sheds etc. within 300m radius. |
| 4 | The Committee noted that there is non-compliance of many of the conditions as stipulated in the EC Granted earlier as per the Certified Compliance Report submitted by the Proponent. Hence, the proponent shall comply with all other necessary conditions as per the earlier EC issued dated 08.01.2016 given below: | <p>MOEF&CC constituted a committee under the chairmanship of shri.J.M. Mauskar, special secretary to Government of India in 2009.The committee categories the non-compliance into series for mining minerals.</p> <p>i) Appropriate mitigative measures shall be taken to prevent water pollution. No waterbodies within 1km radius. The flow direction of ground water had shown in GIS Map and the same discussed in EIA report Pg:42- 49.</p> <p>ii) Blasting operation shall be carried out only during daytime. Controlled blasting should be practiced with use of delay detonators. The mitigative measures for control of ground vibrations and to arrest fly rocks and boulders should be implemented. Project proponent informed that blasting operation had conducted between 1pm to 2 pm noon. Controlled blasting particular NONEL blasting had adapted by project proponent to arrest the fly rocks.</p> |
| i | The Proponent shall install the 'S3 (or) G2' type of fencing all around the boundary of the proposed quarry with gates for entry/exit as recommended in the DGMS Circular, 11/1959 and shall furnish | G2 type of mining with wind breaking net installed around the boundary of the lease area and the Drone video submitted. |

| | | |
|------|--|---|
| | the photographs & drone video showing the same. | |
| ii | As per the EC issued earlier, the proponent shall complete the thick vegetation work by planting the native species of two rows on all sides of the lease area at the rate of 400 number /Ha. Besides, at least 10 number of Neem tree should be planted around the boundary of the quarry site. | Completed and DRONE video submitted |
| iii | The PP shall submit photographic evidence indicating Garland drain all around the boundary of the project area. | Completed and DRONE video submitted |
| iv | The PP shall furnish proof of separate account for maintaining the fund, earmarked for Environmental protection Measures. | Project proponent have the current account in Karur Vysya Bank, Karudayampalayam. |
| v | The PP shall provide proof of solar lighting system provided to the nearby village. | He will do before obtaining CTO. Affidavit in Tamil Submitted. |
| vi | The PP shall show the evidence of insurance paid for the perron, employed. | |
| vii | The PP shall show the record of carrying out the Free Silica Test for the persons employed in the miner and health condition of the local persons living within a radius of 1 km radius from the DGMS approved OHS Clinic Hospital/Medical Practitioners. | |
| viii | The PP shall show the records of air quality and ground water monitoring carried out. | |
| ix | The PP shall carry out the risk assessment, studies, on the exiting quarry and shall submit a Risk Management plan accordingly. | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN

The SEAC carefully examined the replies and Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 21038 m³ of rough stone by maintaining the ultimate depth of mining up to 30m BGL and 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, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The proponent shall develop fencing all around the abandoned pits situated near the proposed project area in order to ensure safety before the execution of the lease which shall be confirmed by the concerned AD (Mines).
3. The PP shall fulfill all the non-compliances as stipulated in the CCR within a period of six months from the date of lease execution and a report in this regard shall be sent to the IRO/MoEF & CC without fail.
4. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to design the controlled blast parameters for reducing the blast-induced ground/air- vibrations and eliminating the fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-BHU/Varanasi, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. 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.
5. The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations in securing the safety of the persons living within a radial

- distance of 500 m (danger zone) to the concerned AD (Mines) at the time of lease execution.
6. For the safety of the persons employed in the quarry, the PP shall carry out the scientific studies to assess the slope stability of the working benches and existing quarry wall during the 3rd year or when the depth exceeds 30m whichever is earlier, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg. Surathkal, and Anna University Chennai-CEG Campus. 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.
 7. As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the activities as committed towards Government High School, Pavithiram Village before obtaining CTO from TNPCB.

AGENDA No: 396-05


(File No: 8438/2022)

Existing Rough Stone Quarry lease over an extent of 1.65.5 Ha at S.F.Nos. 81/2A1 & 81/2A2 of Chettipillaiyarnatham Village, Thirumangalam Taluk, Madurai District, Tamil Nadu by Thiru. P. Rajmohan – Environmental Clearance for next scheme of mining.

(SIA/TN/MIN/ 409724 /2022, dated 04.11.2022)

The proposal was earlier placed in the 350th meeting of SEAC held on 02.02.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). **The SEAC noted the following:**

1. The project proponent, Thiru. P. Rajmohan has applied seeking Environmental Clearance for the existing Rough Stone Quarry lease (next scheme of mining) over an extent of 1.65.5 Ha at S.F.Nos. 81/2A1 & 81/2A2 of Chettipillaiyarnatham Village, Thirumangalam Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under category “B1” of Item 1 (a) “Mining of Minerals Projects” of the schedule to the EIA Notification, 2006, as amended.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

3. The production for the five years in total quantity of recoverable as 59,730 cu.m of Rough stone & 28,890 cu.m of Gravel should not exceed for ultimate depth of mining, which is 18m BGL.
4. ToR issued along with Public Hearing vide T.O Lr No.SEIAA-TN/F.No.8438/SEAC/ToR-998/2021 Dated: 28.07.2021
5. Public Hearing minutes dated: 08.12.2022
6. Final EIA report submitted on 23.01.2023

Based on the presentation and the documents furnished by the Proponent, the SEAC decided to call for the following additional particulars from the Proponent:


1. Copy of registered lease deed of the mine lease area.
2. The EIA coordinator is entrusted with the preparation of detailed action taken report on the queries/remarks raised by the public during public hearing on the proposed project.

The subject was placed in the 377th meeting of SEAC held on 10.05.2023 and the Project Proponent made a presentation on the details sought. The SEAC noticed the presence of a factory at about 120m from the proposed mine lease area. Hence the SEAC directed the NABET Consultant to furnish a report on the cumulative impact of mining at this cluster on the factory and the people employed there.

The subject was placed in this 396th meeting of SEAC held on 28.07.2023 and the Project Proponent made a presentation with the details sought.

| | | | | |
|---------|---|---|--|------|
| File No | 8438 | | Category | B1 |
| | SIA/TN/MIN409724 /2022, dated 04.11.2022 | | | 1(a) |
| Sl. No | Salient Features of the Proposal | | | |
| 1. | Name of the Owner/Firm | : | Thiru.P.Rajmohan S/o.Periyamani No.2/10, Nadu Street, Alampatti Post Thirumangalam Taluk Madurai District-625706 | |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough Stone | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | |
|-----|---|---|---|
| 3. | S.F Nos. of the quarry site with area break-up | : | 81/2A1 & 81/2A2 |
| 4. | Village in which situated | : | Chettipillaiyarnatham |
| 5. | Taluk in which situated | : | Thirumangalam |
| 6. | District in which situated | : | Madurai |
| 7. | Extent of quarry (in ha.) | : | 1.65.5Ha |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 09°47'27.65" N to 09°47'35.48"N 77°57'32.31"E to 77°57'35.79"E |
| 9. | Topo Sheet No. | : | 58 G/13 |
| 10. | Type of mining | : | Opencast Mechanized Mining Method |
| 11. | Life of Project | : | 5 years |
| | Lease Period | : | 5 years |
| | Mining Plan Period | : | 5 years |
| 12. | Mining Plan Details | : | As per approved Mining Plan |
| | Geological Resources in m ³ (RoM) | : | 27472cu.m of Rough stone and 4061cu.m of Gravel |
| | Mifiable Resources in m ³ (RoM) | : | 100155cu.m of Rough stone and 2310cu.m of Gravel |
| | Annual Peak Production in m ³ | : | 28720cu.m of Rough stone |
| | Ultimate Depth in meters | : | 30m BGL |
| 13. | Depth of water table | : | 53m - 58m |
| 14. | Man Power requirement per day: | : | 17 Nos. |
| 15. | Water requirement: 1. Drinking & Unutilized water (in kLD) 2. Dust suppression. Green Belt | : | a. kLD 0.5 kLD 1.5 kLD |
| 16. | Power requirement | : | TNEB 99966 litres of HSD will be utilized |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC-TN


| | | | | | |
|-----|---|---|---|---|---|
| 17. | Precise area communication approved by the Assistant Director/ Deputy Director, Dept. of Geology & Mining | : | Na.Ka.No.506/2015-Kanimam, dated: 24.12.2020 | | |
| 18. | Mining Plan approved by Assistant Director/ Deputy Director, Dept. of Geology & Mining | : | Roc.No.506/2015-Mines, dated: 05.02.2021 | | |
| 19. | 500m Cluster Letter issued by the Assistant Director/ Deputy Director, Dept. of Geology & Mining | : | Roc. No.506/2015-Mines, dated: 08.02.2021 | | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | : | Rs. 26.29 Lakhs | | |
| 21. | Project Cost (excluding EMP cost) | : | Rs. 16,26,500/- | | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. | |
| | | : | Max Total RoM in m ³ | 100155 | - |
| | | : | Annual Max RoM in m ³ | 28720 | - |
| | | : | Max Depth in m | 30m | - |
| 23. | EMP cost (in Rs. Lakh). | : | Capital Cost: Rs 21.00 Lakh Recurring Cost/Annum: 11.14 Lakh + 5% cost inflation from 2 nd year | | |
| 24. | CER cost (in Rs. Lakh). | : | Rs. 5.0 Lakh | | |

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak RoM production capacity not exceeding 28720 m³ of Rough stone by maintaining the ultimate depth of mining of 30m 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:


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- 1) The prior Environmental Clearance granted for this mining project shall be valid for the project life including production value as laid down in the mining plan approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
- 2) The proponent shall provide the particulars for carrying out the plantation of 1500 Nos. of tall saplings of native species within the proposed mining area as committed before obtaining CTO from TNPCB.
- 3) The PP shall obtain prior permission to carry out the blasting operations by and also to obtain necessary approval for the SoP prepared for the blasting safety from the Director of Mines Safety, Chennai Region before the execution of lease.
- 4) However, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the proposed quarry on the existence of the structures within a radial distance of 500 m., by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Kharagpur, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. 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.
- 5) For securing the safety of persons employed in the mine, 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 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, etc. A copy of such scientific study report


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

shall be submitted to the SEIAA, MoEF, TNPCB, AD/Mines-DGM and DMS, Chennai as a part of Environmental Compliance without any deviation.

- 6) Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within 2 years from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Sciences, and Anna University Chennai- Dept of Geology, CEG Campus. 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.
- 7) The PP shall strictly adhere to the provisions provided in the Annexure to safeguard the existence of Reserved Forest/Reserve Land within 1 km from the project site.
- 8) As accepted by the Project Proponent the CER cost of Rs.5 lakh and the amount shall be spent for the committed activities at Village Government School before obtaining CTO from TNPCB.

AGENDA No: 396-6

(File No: 8599/2023)


proposed of Rough Stone & Gravel Quarry lease over an extent of 2.19.0 Ha at S.F.Nos. 362/2 (part) of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu - M/s.NTC Blue Metals LLP – For Environmental Clearance

(SIA/TN/MIN/417665/2023, dated 10.02.2023)

The proposal was placed in 371st meeting of SEAC held on 26.04.2023. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The project proponent gave a detailed presentation.

The SEAC noted the following:

1. The project proponent, M/s. NTC Blue Metals LLP has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel Quarry lease over an extent of 2.19.0 Ha at S.F.Nos. 362/2 (part) of Kuppam Village, Pugalur


MEMBER SECRETARY
SEAC -TN

38


CHAIRMAN
SEAC- TN

Taluk, Karur District, Tamil Nadu.

2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006, as amended.
3. ToR Lr No. SEIAA-TN/F.No.8599/SEAC/ToR- 1017/2021 Dated: 23.08.2021
4. Public Hearing conducted on 15.12.2022
5. Final EIA report submitted on 10.02.2023
6. There is an existing pit with depth of 4m.

After detailed discussions, the Committee directed the Proponent to furnish the following additional details/documents:

1. Status report on the court case pertaining to quarry accident filed against the Proponent.
2. Copy of the accident report submitted to the Hon'ble Court by the concerned AD/Mines.

On receipt of the same the subject will be taken up for further deliberations. The subject was placed in this 396th meeting of SEAC held on 28.07.2023 and the Project Proponent made a presentation on the details sought.

| | | | |
|---------|---|----------|---|
| File No | 8599/2022 | Category | B1 |
| | SIA/TN/MIN/417665/2023, dated 10.02.2023 | | |
| Sl. No | Salient Features of the Proposal | | |
| 1. | Name of the Owner/Firm | : | M/s.NTC Blue Metals LLP Prop.of Mr.S.Muthusamy Rasampalayam Keelsathambur Village Namakkal District - 6372017 |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough stone and Gravel |
| 3. | S.F Nos. of the quarry site with area break-up | : | 362/2(part) |
| 4. | Village in which situated | : | Kuppam |


MEMBER SECRETARY
SEAC -TN

39



CHAIRMAN
SEAC- TN

| | | | | |
|--------------------------|--|-----------------------------------|---|---------------------|
| 5. | Taluk in which situated | : | Pugalur | |
| 6. | District in which situated | : | Karur | |
| 7. | Extent of quarry (in ha.) | : | 2.19.0 Ha Patta land | |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 10°59'56.13" N to 11°00'0.95" N 77°57'5.47" E to 77°57'11.31"E | |
| 9. | Topo Sheet No. | : | 58 E/16 & 58-F/13 | |
| 10. | Type of mining | : | Opencast mechanized mining method | |
| 11. | Life of Project | : | 5 years | |
| | Lease Period | : | 5 years | |
| | Mining Plan Period | : | 5 Years | |
| 12. | Mining Plan Details | : | As per approved Mining Plan | As modified by SEAC |
| | Geological Resources m ³ (RoM) | : | Rough Stone 799516 | - |
| | | | Gravel 19836 | - |
| | Mirable Resources m ³ (RoM) | : | Rough Stone 214845 | - |
| | | | Gravel 8064 | - |
| | Annual Peak Production in m ³ | : | Rough Stone 48315 | - |
| Gravel 8064 | | | - | |
| Ultimate Depth in meters | : | 35m BGL (depth restricted in ToR) | | |
| 13. | Depth of water table | : | 78-73 m | |
| 14. | Man Power requirement per day | : | 27 Nos. | |
| 15. | Water requirement: | : | | |
| | 1. Drinking water & Utilized water | | 0.25 kLD | |
| | 2. Dust suppression | | 2.0 kLD | |
| | 3. Green belt | 1.75 kLD | | |
| 16. | Power requirement | : | TNEB 173212 Liters of HSD will be used for the entire project life | |

| | | | | | |
|-----|---|---|---|---|--------|
| 17. | Precise area communication approved by the Assistant Director, Department of G&M. | : | Na.Ka.No.100/Kanimam/2021 dated: 07.06.2021 | | |
| 18. | Mining Plan approved by Assistant Director, Department of G&M. | : | Rc.No.100/Mines/2021 dated: 22.06.2021 | | |
| 19. | 500m Cluster Letter approved by the Assistant Director, Department of G&M. | : | Rc.No.100/Mines/2021 dated: 22.06.2021 | | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | : | 17.06.2021 | | |
| 21. | Project Cost (excluding EMP cost) | : | Rs. 65.95 Lakh | | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. | |
| | | | | Rough Stone | Gravel |
| | | | Max Total RoM in m ³ | 205680 | 8064 |
| | | | Annual Max RoM in m ³ | 48315 | 8064 |
| | Max Depth in mtrs | | 35m BGL | | |
| 23. | EMP cost (in Rs. Lakh). | : | Capital Cost: Rs 33.92 Lakh Recurring Cost/Annum: 18.60 Lakh + 5% cost inflation from 2 nd year | | |
| 24. | CER cost (in Rs. Lakh). | : | Rs. 5.0 Lakh | | |

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak RoM production capacity not exceeding 48315 m³ of Rough stone by maintaining the ultimate depth of mining of 35m 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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

approved and renewed by competent authority, from time to time, subject to a maximum of thirty years, whichever is earlier, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.

- 2) The proponent shall provide the particulars for carrying out the plantation of 1500 Nos. of tall saplings of native species within the proposed mining area as committed before obtaining CTO from TNPCB.
- 3) The PP shall obtain prior permission to carry out the blasting operations by and also to obtain necessary approval for the SoP prepared for the blasting safety from the Director of Mines Safety, Chennai Region before the execution of lease.
- 4) Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. 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.
- 5) For securing the safety of persons employed in the mine, 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 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, 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.

- 6) Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within 2 years from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg. Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. 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.
- 7) The PP shall strictly adhere to the provisions provided in the Annexure to safeguard the existence of Reserved Forest/Reserve Land within 1 km from the project site.
- 8) As accepted by the Project Proponent the CER cost of Rs.5 lakh and the amount shall be spent for the committed activities at Village Government School before obtaining CTO from TNPCB.

Agenda No: 396-07

(File No: 8655/2021)

Proposed Rough Stone & Gravel quarry lease over an extent of 4.58.35 Ha at S.F.No. 1574/1, 1574/2A and 1585/2A (P) of Irukkandurai Part-II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by Thiru.P. Devaraja - For Environmental Clearance.

(SIA/TN/MIN/ 217798/2021 dated 04.07.2021)

The proposal was earlier placed in the 288th meeting of SEAC held on 23.06.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The Project Proponent gave a detailed power point presentation. The SEAC noted the following:

1. The Project Proponent, Thiru.P. Devaraja has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 4.58.35 Ha at S.F.No. 1574/1, 1574/2A and 1585/2A (P) of Irukkandurai Part-II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification,2006, as amended.

SEAC noted that EDS raised by SEIAA to obtain NOC from Kudankulam Nuclear Power Plant and the PP has not obtained the same. Hence the committee directed the Project Proponent to obtain NOC from Kudankulam Nuclear Power Plant Authorities.

The subject was taken up for discussion in this 368th meeting of SEAC held on 19.04.2023. The Project Proponent made power point presentation on the details sought. Based on the presentation and documents furnished by the project proponent, SEAC directed the PP to enumerate the structures located in the

The subject was placed in this 396th meeting of SEAC held on 28.07.2023 and the Project Proponent made a presentation on the details sought.

| | | | | |
|---------|---|---|---|----|
| File No | 8655/2022 | | Category | B1 |
| | SIA/TN/MIN/217798/2021 dated 04.07.2021 | | | |
| Sl. No | Salient Features of the Proposal | | | |
| 1. | Name of the Owner/Firm | : | Thiru.P.Devaraja S/o.Phusparaj No.302, Jeyaprakash Street Vadakkankulam Post Perungudi-627116 | |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough Stone, Jelly & Gravel | |
| 3. | S.F Nos. of the quarry site with area break-up | : | 1574/1,1574/2A and 1585/2A (P) | |
| 4. | Village in which situated | : | Irukkandurai Part-II | |
| 5. | Taluk in which situated | : | Radhapuram | |
| 6. | District in which situated | : | Tirunelveli | |
| 7. | Extent of quarry (in ha.) | : | 4.58.35 Ha- Patta Land | |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 08°10'10.53"N to 08°10'18.39"N 77°39'46.74"E to 77°39'55.61"E | |
| 9. | Topo Sheet No. | : | 58-H/11&12 | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | |
|--------------------------|--|---------|---|----------------------|
| 10. | Type of mining | : | Opencast semi mechanized mining | |
| 11. | Life of Project | : | 5 years | |
| | Lease Period | : | 5 years | |
| | Mining Plan Period | : | 5 Years | |
| 12. | Mining Plan Details | : | As per approved Mining Plan | As modified by SEAC |
| | Geological Resources m ³ (RoM) | : | Rough Stone 2061540 | - |
| | | | Gravel 91624 | - |
| | Minaible Resources m ³ (RoM) | : | Rough Stone 1144025 | - |
| | | | Gravel 78740 | - |
| | Annual Peak Production in m ³ | : | Rough Stone 229460 | Rough Stone 84545 |
| Gravel 48710 | | | Gravel 37440 | |
| Ultimate Depth in meters | : | 48m BGL | 43m BGL | |
| 13. | Depth of water table | : | 63-66 m | |
| 14. | Man Power requirement per day | : | 31 Nos. | |
| 15. | Water requirement: 1. Drinking water & Utilized water 2. Dust suppression 3. Green belt | : | 3.0 kLD 2.0 kLD 0.5 kLD 0.5 kLD | |
| 16. | Power requirement | : | TNEB & DG Set | |
| 17. | Precise area communication approved by the Assistant Director, Department of G&M. | : | Rc.No.M1/28261/2018 dated 12.10.2020 | |
| 18. | Mining Plan approved by Assistant Director, Department of G&M. | : | letter Rc.No.M1/28261/2018 dated 15.10.2020 | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | | |
|-----|--|---|---|---|--------|
| 19. | 500m Cluster Letter approved by the Assistant Director, Department of G&M. | : | letter Rc.No.M2/28261/2018 dated 15.10.2020 | | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | : | 15.10.2020 | | |
| 21. | Project Cost | : | Rs. 94.50 Lakh | | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. | |
| | | | | Rough Stone | Gravel |
| | | : | Max Total RoM in m ³ | 421940 | 48480 |
| | | : | Annual Max RoM in m ³ | 84545 | 37440 |
| | | : | Max Depth in mtrs | 43m BGL | |
| 23. | EMP cost (in Rs. Lakh). | : | Capital Cost: Rs 25.13 Lakh Recurring Cost/Annum: 21.91 Lakh + 5% cost inflation from 2 nd year | | |
| 24. | CER cost (in Rs. Lakh). | : | Rs. 10.0 Lakh | | |

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak RoM production capacity not exceeding 84545 m³ of Rough stone and 37440 m³ of Gravel by maintaining the ultimate depth of mining of 43m 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, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
- 2) The proponent shall provide the particulars for carrying out the plantation of 1500 Nos. of tall saplings of native species within the proposed mining area as committed before obtaining CTO from TNPCB.

- 3) The PP shall obtain prior permission to carry out the blasting operations by and also to obtain necessary approval for the SoP prepared for the blasting safety from the Director of Mines Safety, Chennai Region before the execution of lease.
- 4) Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. 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.
- 5) For securing the safety of persons employed in the mine, 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 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, 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.
- 6) Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within 2 years from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept

of Geology, CEG Campus. 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.

- 7) The PP shall strictly adhere to the provisions provided in the Annexure to safeguard the existence of Reserved Forest/Reserve Land within 1 km from the project site.
- 8) As accepted by the Project Proponent the CER cost of Rs.10.0 lakh and the amount shall be spent for the committed activities at Village Government School before obtaining CTO from TNPCB.

Agenda No: 396 - 8

(File No: 8697/2022)

Proposed Rough Stone & Gravel lease over an extent of 1.32.0 Ha at S.F.No. 85/2B(P) in Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by Thiru.A.Palanisamy - For Environment Clearance. (SIA/TN/MIN/424096/2023 dt 30.03.2023)

The proposal was earlier placed in the 386th meeting of SEAC held on 22.06.2023. The Project Proponent gave a detailed presentation on the proposal. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru.A.Palanisamy has applied seeking Environment Clearance for the proposed Rough Stone & Gravel lease over an extent of 1.32.0Ha at S.F.No. 85/2B(P) in Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. ToR Lr No SEIAA- TN/F.NO.8697/SEAC/ToR-1068/2022 Dated:01.03.2022
4. Public Hearing conducted on 23.11.2022

Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following additional details from the Project Proponent:

- a. The PP shall furnish the revised mining quantity duly approved by the Competent Authority.


MEMBER SECRETARY
SEAC -TN

48


CHAIRMAN
SEAC- TN

- b. The structures within the radius of (i) 100 m, (ii) 300 m, and (iii) 500 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
- c. Owing to the presence of high wall in the existing quarry, the PP shall carry out the scientific studies to assess the slope stability of the existing quarry wall and evaluate the mitigation measures for the stability of the proposed workings, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, Division of Geotechnical Engineering/IIT-Madras, NIT-Dept of Mining Engg, Surathkal and Dept of Mining Engg., - Anna University, Chennai. 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.
- d. The PP shall furnish a sworn affidavit in Tamil stating that all the conditions imposed in the Environmental Clearance granted for the project will be followed in letter and spirit by the PP.
- e. PP shall submit the geotagged photographs of the saplings planted along the periphery of the mine lease area as part of EC compliance.


| | | | |
|---------|--|----------|--|
| File No | 8697 | Category | B1 |
| | SIA/TN/MIN/424096/20 23 dt 30.03.2023 | | |
| Sl. No | Salient Features of the Proposal | | |
| 1. | Name of the Owner/Firm | : | Thiru.A.Palanisamy S/o.Thiru. Appachi Gounder Near Idumban Kovil Thenkani Via Pachapalayam, Sular Taluk Coimbatore District- 641201 |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough Stone & Gravel |

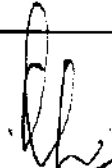

MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | |
|-----|--|---|---|--|
| 3. | S.F Nos. of the quarry site with area break-up | : | 85/2B(P) | |
| 4. | Village in which situated | : | Pachapalayam | |
| 5. | Taluk in which situated | : | Sulur | |
| 6. | District in which situated | : | Coimbatore | |
| 7. | Extent of quarry (in ha.) | : | 1.32.0 Ha | |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 10°52'37.18"N to 10°52'42.10"N 77°02'33.16"E to 77°02'36.84"E | |
| 9. | Topo Sheet No. | : | 58 F/01 | |
| 10. | Type of mining | : | Opencast mechanized method of mining. | |
| 11. | Life of Project | : | 5 years | |
| | Lease Period | : | 5 years | |
| | Mining Plan Period | : | 5 years | |
| 12. | Mining Plan Details | : | As per approved Mining Plan | As modified by SEAC |
| | Geological Resources m ³ (RoM) | : | Rough Stone - 357798 m ³ Gravel - 5342 m ³ | - |
| | Minal Resources m ³ (RoM) | : | Rough Stone - 67638m ³ Gravel - 2250 m ³ | Rough Stone - 65963 m ³ Gravel - 2250 m ³ |
| | Annual Peak Production in m ³ | : | 14525 m ³ | - |
| | Maximum Depth in meters | : | 47m (2m Gravel+45m Rough stone) BGL | 42m (2m Gravel+40m Rough stone) BGL |
| 13. | Depth of water table | : | 70m-65m BGL | |
| 14. | Man Power requirement per day: | : | 14 Nos. | |
| 15. | Water requirement: | : | 3.0 kLD | |
| | 1. Drinking & domestic purposes (in KLD) | : | 0.5 kLD | |
| | | : | 1.5 kLD & | |

| | | | | | |
|-----|--|---------|---|---|--------|
| | 2. Dust suppression, Green Belt & Wet Drilling (in KLD) | | 1.0 kLD | | |
| 16. | Power requirement | | TNEB 216828litres of HSD will be utilized | | |
| 17. | Precise area communication approved by the Assistant Geologist, Assistant Director(i/c), Dept. of Geology & Mining | : | Rc.No.505/Mines/2020 Dated:25.02.2021 | | |
| 18. | Mining Plan approved by Assistant Geologist, Assistant Director(i/c), Dept. of Geology & Mining | : | Rc.No.505/Mines/2020 Dated:25.02.2021 | | |
| 19. | Assistant Geologist, Assistant Director(i/c), Dept. of Geology & Mining 500m Cluster Letter | | Rc.No.505/Mines/2020 Dated:25.02.2021 | | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | | Letter Dated12.02.2021 | | |
| 21. | Project Cost (excluding EMP cost) | : | 47.02 Lakh | | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. | |
| | | | | Rough Stone | Gravel |
| | | : | Max Total RoM in m ³ | 65963 | 2250 |
| | | : | Annual Max RoM in m ³ | 14525 | |
| : | Max Depth in m | 40m BGL | 2m BGL | | |
| 23. | EMP cost (in Rs. Lakh). | : | Capital cost – Rs.22,97,400/- Recurring cost – Rs. 12,72,694/- + 5% of inflation cost every year | | |



MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | |
|-----|-------------------------|---|----------|
| 24. | CER cost (in Rs. Lakh). | : | 5.0 Lakh |
|-----|-------------------------|---|----------|

The PP furnished the details sought and hence the subject was taken up for discussion in this 396th meeting of SEAC held on 28.07.2023. Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak RoM production capacity not exceeding 14525 m³ of Rough stone by maintaining the ultimate depth of mining of 42m 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, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
2. The proponent shall provide the particulars for carrying out the plantation of 1500 Nos. of tall saplings of native species within the proposed mining area as committed before obtaining CTO from TNPCB.
3. The PP shall obtain prior permission to carry out the blasting operations by and also to obtain necessary approval for the SoP prepared for the blasting safety from the Director of Mines Safety, Chennai Region before the execution of lease.
4. Since the structures are situated within a radial distance of 500 m, the PP shall carry out the scientific studies within a period of six months from the commencement of quarrying operations, to optimize the blast design parameters for controlling the blast-induced ground/air- vibrations and fly rock from the blasting operations carried out in the proposed quarry, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. 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.


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC- TN

5. For securing the safety of persons employed in the mine, 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 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, 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.
6. Since the waterbodies are situated nearby, the PP shall carry out the scientific studies to assess the hydrogeological condition of the quarry within 2 years from the commencement of mining operations, by involving any one of the reputed Research and Academic Institution - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, University of Madras – Centre for Environmental Studies, and Anna University Chennai-Dept of Geology, CEG Campus. 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.
7. The PP shall strictly adhere to the provisions provided in the Annexure to safeguard the existence of Reserved Forest/Reserve Land within 1 km from the project site.
8. As accepted by the Project Proponent the CER cost of Rs.5 lakh and the amount shall be spent for the committed activities at Village Government School before obtaining CTO from TNPCB.

Agenda No. 396 - 09

(File No.7508/2022)

Proposed Multi Coloured Granite quarry over an extent of 1.28.5 ha in S.F.Nos. 152/1B, 152/3, 152/4B & 534/2 at Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by Thiru. P. Loganathan – For Environmental Clearance (SIA/TN/MIN/405263/2022, dated: 04.11.2022)


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

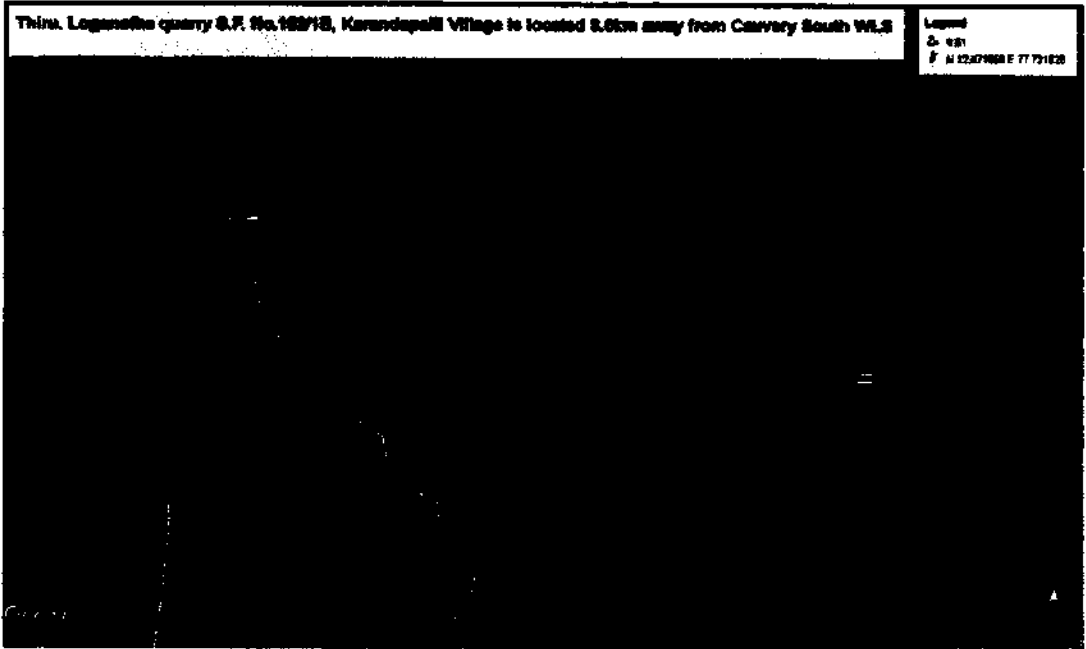
The proposal was placed in the 396th SEAC Meeting held on 28.07.2023. The project proponent gave detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Thiru. P. Loganathan, has applied for Terms of Reference for the Proposed Multi Coloured Granite quarry over an extent of 1.28.5 ha in S.F.Nos. 152/1B, 152/3, 152/4B & 534/2 at Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/ activity is covered under Category “B” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.
3. Earlier the proposal was placed in the 349th SEAC meeting held on 20.01.2023. During the meeting the Committee noted that the project proponent has not attended the meeting. Hence the subject was not taken up for discussion.
4. Based on the KML file submitted by the proponent in Parivesh portal and google imagery, it is ascertained that the proposed site is approximately 2.83 Km from Cauvery North Wildlife Sanctuary and 8.67 Km from Cauvery South Wildlife Sanctuary.
5. SEAC noted that the Cauvery North Wildlife Sanctuary is situated in between the Cauvery South Wildlife Sanctuary and the proposed site. Further, the Cauvery North Wildlife Sanctuary has been notified and the proposed mine site is beyond the Eco Sensitive Zone of the Cauvery North Wildlife Sanctuary. Hence, SEAC decided that the proposal doesn't warrant prior clearance from National Board for Wildlife (NBWL).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN




| | | | |
|---------|----------------------------------|----------|---|
| File No | 7508/2023 | Category | B1 |
| | 142870 /2020 | | 1(a) |
| Sl. No | Salient Features of the Proposal | | |
| 1. | Name of the Owner/Firm | : | Thiru. P. Loganathan, No.188/2, Govt.Hr.Sec.School Road Denkanikottai, Krishnagiri - 635 107 |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | |
|----------------|---|---|--|--------------------------|
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Red Multi Coloured Granite Quarry | |
| 3. | S.F Nos. of the quarry site with area break-up | : | 152/1B, 152/3, 152/4B & 534/2 | |
| 4. | Village in which situated | : | Karandapalli | |
| 5. | Taluk in which situated | : | Denkanikottai | |
| 6. | District in which situated | : | Krishnagiri | |
| 7. | Extent of quarry (in ha.) | : | 1.28.5 Ha | |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 12°28'17.36"N to 12°28'22.69"N 77°43'17.94"E to 77°43'21.24"E | |
| 9. | Topo Sheet No. | : | 57 H/11 | |
| 10. | Type of mining | : | Opencast Semi-Mechanized Mining | |
| 11. | Life of Project | : | 8 years | |
| | Lease Period | : | 20 years | |
| | Mining Plan Period | : | 5 years | |
| 12. | Mining Plan Details | : | As per approved Mining Plan | As modified by SEAC |
| | Geological Resources m ³ (RoM) | : | Red Multi Coloured - ROM | Black Granite - ROM |
| | | | 1,16,605m ³ | - |
| | | | Recovery @ 35% | Recovery @ 35% |
| | | | 40,812m ³ | - |
| | | | Granite Waste @ 65% | Granite Waste @ 65% |
| | | | 75,793m ³ | - |
| | Minaible Resources m ³ (RoM) | : | Red Multi Coloured - ROM | Red Multi Coloured - ROM |
| | | | 34,925m ³ | - |
| | | | Recovery @ 35% | Recovery @ 35% |
| | | | 12,225m ³ | - |
| | | | Granite Waste @ 65% | Granite Waste @ 65% |
| | | | 22,700m ³ | - |
| | Annual Peak Production in m ³ | : | Red Multi Coloured - ROM | Red Multi Coloured - ROM |
| | | | 34,925m ³ | - |
| Recovery @ 35% | | | Recovery @ 35% | |

| | | | |
|-----|--|----------------------|---|
| | | 12,225m ³ | - |
| | | Granite Waste @ 65% | Granite Waste @ 65% |
| | | 22,700m ³ | - |
| | Ultimate Depth in meters | : | 19m (15m – red multi coloured granite) |
| 13. | Depth of water table | : | 40m – 50m |
| 14. | Man Power requirement per day: | : | 25 Nos |
| 15. | Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt | : | 3.5 KLD 1.5 KLD 1.0 KLD 1.0 KLD |
| 16. | Power requirement | : | TNEB 34,784 Litres of HSD |
| 17. | Precise area communication approved by the Industries (MME.2) Department, Department of G&M. | : | G.O.(3D) No.15, Dated:26.05.2014 |
| 18. | Mining Plan approved by Joint Director, Department of G&M. | : | Rc.No. 2303/MM4/2019, Dated: 31.10.2019 |
| 19. | Department of G&M, Assistant Director Additional charge, 500m Cluster Letter | : | Roc.No. 98/2019/Mines, Dated: 09.12.2019 |
| 20. | VAO Certificate Regarding Structures within 300m Radius | : | Letter Dated: 14.11.2019 |
| 21. | Project Cost (excluding EMP cost) | : | Rs. 46,50,000 |
| 22. | EC Recommendation | : | Validity 30 years subject to the following upper limits. Red Multi Coloured Granite |
| | | : | Max Total RoM in m ³ 21,875 m ³ |
| | | : | Annual Max RoM in m ³ 4,375 m ³ |
| | | : | Max Depth in mtrs 9m |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | |
|-----|-------------------------|---|--|
| 23. | EMP cost (in Rs. Lakh). | : | Capital Cost – Rs. 1,20,10,280 Recurring Cost – Rs. 11,79,180 |
| 24. | CER cost (in Rs. Lakh). | : | Rs. 10,00,000 |

Now, the proposal was placed in the 396th SEAC meeting held on 28.07.2023. Based on the presentation and details furnished by the project proponent, SEAC decided to recommend the proposal for grant of Environmental Clearance for the annual peak RoM not exceeding 4,375m³ of Red Multi-coloured granite by maintaining a pit depth of 19 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.
2. Tree plantation & fencing around the mine lease area shall be completed before execution of the mine lease.
3. As accepted by the Project proponent, the CER cost is Rs. 10 Lakhs and the amount shall be spent for the conservation measures each in Cauvery North and South Wildlife Sanctuary in consultation with the concerned DFO before obtaining CTO from TNPCB.

Agenda No. 396 - 10

(File No.8117/2022)

Proposed Rough Stone & Gravel quarry over an extent of 1.01.0 ha in S.F.Nos. 79/2A (P) at Myleripalayam Village, Madukkarai Taluk, Coimbatore District, Tamil Nadu by Thiru. K. Shanmugam – For Environmental Clearance. (SIA/TN/MIN/ 408536 /2022, dated: 29.11.2022)

The proposal was placed in the 396th SEAC Meeting held on 28.07.2023. 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 Proponent, Thiru.K.Shanmugam, has applied for Terms of Reference for


MEMBER SECRETARY
SEAC -TN

58


CHAIRMAN
SEAC- TN

the Proposed Rough Stone & Gravel quarry over an extent of 1.01.0 ha in S.F.Nos. 79/2A(P) at Myleripalayam Village, Madukkārai Taluk, Coimbatore District, Tamil Nadu.

2. The project/ activity is covered under Category "B" 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 mining plan is for the period of 5 years. The total production for 5 years not to exceed 61,573 m³ of Rough Stone and 2520 m³ of Gravel with ultimate depth of 38m BGL.
4. TOR was issued vide Lr No. SEIAA-TN/F.No.8117/SEAC/ToR- 945/2020 Dated: 27.04.2021.
5. Public Hearing was conducted on: 30.05.2022.
6. EIA Report was submitted on: 02.12.2022.
7. Earlier the proposal was placed in the 349th SEAC meeting held on 20.01.2023. During the presentation, SEAC noted that from the KML, it is construed that southern portion of the applied lease area has been quarried after 2018 without valid Environmental Clearance. Further, in the precise area communication letter and mine plan approval letter have not mentioned about the quarrying activity carried out after the expiry of the lease period, i.e., 2018. Hence, AD/Mines shall inspect the quarry site and give his comments on the existing site condition along with Last Bulk transport permit issued by Department of Geology and Mining to the lessee.

| File No | 8117/2022 408536/2022 | | Category | B1 1(a) | |
|---------|--------------------------|----------------------------------|--|------------|--|
| | Sl. No | Salient Features of the Proposal | | | |
| 1. | Name of the Owner/Firm | : | Thiru.K.Shanmugam, S/o. Karuppa Padaiyachi, No.32B, VOC Colony, LIC Colony Extension, SIDCO, Coimbatore District, Tamil Nadu State – 641 021. | | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | |
|--------------------------|---|---|--|---------------------|
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough stone and Gravel Quarry | |
| 3. | S.F Nos. of the quarry site with area break-up | : | 79/2A (P) | |
| 4. | Village in which situated | : | Myleripalayam | |
| 5. | Taluk in which situated | : | Madukkarai | |
| 6. | District in which situated | : | Coimbatore | |
| 7. | Extent of quarry (in ha.) | : | 1.01.0ha | |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 10°51'45.01"N to 10°51'49.19"N 77°01'46.25"E to 77°01'50.62"E | |
| 9. | Topo Sheet No. | : | 58 - F/01 | |
| 10. | Type of mining | : | Opencast Mechanized mining | |
| 11. | Life of Project | : | 5 Years | |
| | Lease Period | : | 5 Years | |
| | Mining Plan Period | : | 5 Years | |
| 12. | Mining Plan Details | : | As per approved Mining Plan | As modified by SEAC |
| | | Geological Resources m ³ (RoM) | : | Rough Stone |
| | : | | 2,97,174m ³ | |
| | : | | Gravel | Gravel |
| | : | | 7,416m ³ | |
| | Minable Resources m ³ (RoM) | : | Rough Stone | Rough Stone |
| | | : | 62,423m ³ | |
| | | : | Gravel | Gravel |
| | | : | 2,520m ³ | |
| | Annual Peak Production in m ³ | : | Rough Stone | Rough Stone |
| | | : | 17,550 m ³ | |
| | | : | Gravel | Gravel |
| : | | 840 m ³ | | |
| Ultimate Depth in meters | | : | 38m (BGL) (3m Gravel + 35m Rough Stone) | |
| 13. | Depth of water table | : | 60m in rainy season & 65m in summer season | |
| 14. | Man Power requirement per day: | : | 13 Nos | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | | |
|-----|--|--|---|---|---------------------|
| 15. | Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt | : | 2.0 KLD 0.5 KLD 1.0 KLD 0.5 KLD | | |
| 16. | Power requirement | : | TNEB 500 Litres of HSD/ day | | |
| 17. | Precise area communication approved by the Joint Director/Assistant Director (i/c), Department of G&M. | : | Na.Ka.No.523/Kanimam/2018, Dated: 30.06.2020 | | |
| 18. | Mining Plan approved by Joint Director/Assistant Director (i/c), Department of G&M. | : | Rc.No.523/Mines/2018, Dated: 03.09.2020 | | |
| 19. | Department of G&M, Assistant Director, 500m Cluster Letter | : | Rc.No.523/Mines/2018, Dated: 22.09.2020 | | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | : | 08.10.2020 | | |
| 21. | Project Cost (excluding EMP cost) | : | Rs.31,63,000/- | | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. | |
| | | : | | | |
| | | : | Max Total RoM in m ³ | 62,423m ³ | 2,520m ³ |
| | | : | Annual Max RoM in m ³ | 17,550 m ³ | 840 m ³ |
| : | Max Depth in mtrs | 38m (BGL) (3m Gravel + 35m Rough Stone) | | | |
| 23. | EMP cost (in Rs. Lakh). | : | Capital Cost – Rs. 32,89,550 Recurring Cost – Rs. 18,91,687 | | |
| 24. | ToR Issued Details | : | ToR Lr.No. SEIAA-TN/F. No.8117/SEAC/ToR-945/2020 Dated:27.04.2021 | | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | |
|----|-----------------------------|----------------|
| 25 | Public Hearing conducted on | 30.05.2022 |
| 26 | CER cost (in Rs. Lakh). | : Rs. 5,00,000 |

Now, the proposal was placed in the 396th SEAC meeting held on 28.07.2023. Based on the presentation and documents furnished, the SEAC noted that.

1. Letter obtained from the Assistant Director, Department of Geology and Mining, Coimbatore District, vide letter Rc. No.523/Mines/2018, dated 16.05.2023.

Based on the AD/Mines letter, presentation and details furnished by the project proponent, SEAC decided to recommend the proposal for grant of Environmental Clearance for the annual peak production not exceeding 17,550m³ of Rough Stone & 840 m³ of Gravel by maintaining an ultimate pit depth of 38 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.
2. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. The proponent shall erect tall sheet fencing along the boundary coordinate 1 to coordinate 2 and coordinate 2 to coordinate 3 as per the Plate No-II submitted by the proponent in mining plan before obtaining CTO from TNPCB.
4. Within a period of one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Controlled Blast Parameters for reducing the cumulative impact of blast-induced ground & air vibrations and flyrock caused due to the blasting operations' using NONEL to evaluate its performance for the implementation, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining and Fuel Research / Nagpur, NIRM-Bangaluru, IIT-(ISM)/Dhanbad, NIT-Dept

of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.

5. For securing the safety of persons employed in the mine, 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 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, 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.
6. As accepted by the Project proponent, the CER cost is Rs.5 Lakhs and the amount shall be spent for the committed activities towards Government High School, Myleripalayam, madukkarai, Coimbatore before obtaining CTO from TNPCB.

Agenda No: 396 - 11

(File No: 8642/2021)


Proposed Rough Stone & Gravel quarry lease over an extent of 1.20.0 Ha at S.F.No. 98/2(P) at Poomalur Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru M. Ramasamy – For Environmental Clearance. (SIA/TN/MIN/401287/2022, dated: 25.09.2022)

The proposal was placed in this 396th meeting of SEAC held on 28.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The project proponent gave detailed presentation.

The SEAC noted the following:

1. The Proponent, Thiru M. Ramasamy has applied seeking Environmental Clearance for the proposed Rough Stone & Gravel quarry lease over an extent of 1.20.0 Ha at S.F.No. 98/2(P) at Poomalur Village, Palladam Taluk, Tiruppur District, Tamil Nadu.


MEMBER SECRETARY
SEAC -TN

63


CHAIRMAN
SEAC- TN

2. The project/activity is covered under Category "B1" of item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued vide Lr No. SEIAA-TN/F.No.8642/SEAC/ToR-I064/2022 Dated: 01.03.2022.
4. Public Hearing conducted on 26.04.2022.
5. EIA Report submitted on 19.09.2022.
6. Earlier the proposal was placed in the 330th SEAC meeting held on 17.11.2022. Based on the presentation and the documents furnished by the Proponent, the SEAC decided to call for additional details

1. The PP shall submit Certified Compliance Report.

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

| File No | 8642/2022 | | Category | B1 |
|---------|---|---|--|------|
| | 401287/2022 | | | 1(a) |
| Sl. No | Salient Features of the Proposal | | | |
| 1. | Name of the Owner/Firm | : | Thiru. M.Ramasamy, S/o. Marappa Gounder, No.1/501, Manathottam, 63, Velampalayam, Palladam Taluk, Tiruppur District- 641 663, Tamil Nadu. | |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough stone and Gravel Quarry | |
| 3. | S.F Nos. of the quarry site with area break-up | : | 98/2(P) | |
| 4. | Village in which situated | : | Poomalur | |
| 5. | Taluk in which situated | : | Palladam | |
| 6. | District in which situated | : | Tiruppur | |
| 7. | Extent of quarry (in ha.) | : | 1.20.0Ha | |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 11°04'07.09"N to 11°04'10.82"N 77°15'36.40"E to 77°15'41.60"E | |
| 9. | Topo Sheet No. | : | 58 - E/04 | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | |
|--------------------------|--|-----------------------------------|--|---------------------|
| 10. | Type of mining | : | Opencast Mechanized mining | |
| 11. | Life of Project | : | 5 Years | |
| | Lease Period | : | 5 Years | |
| | Mining Plan Period | : | 5 Years | |
| 12. | Mining Plan Details | : | As per approved Mining Plan | As modified by SEAC |
| | Geological Resources m ³ (RoM) | : | Rough Stone | Rough Stone |
| | | | 3,75,169m ³ | |
| | | | Gravel | Gravel |
| | | | 2,528m ³ | |
| | Mirable Resources m ³ (RoM) | : | Rough Stone | Rough Stone |
| | | | 58,140 m ³ | |
| | | | Gravel | Gravel |
| | | | - | |
| | Annual Peak Production in m ³ | : | Rough Stone | Rough Stone |
| | | | 14,040m ³ | |
| | | | Gravel | Gravel |
| - | | | | |
| Ultimate Depth in meters | : | 57m (2m Gravel + 55m Rough stone) | | |
| 13. | Depth of water table | : | 73m in rainy season & 78m in summer season | |
| 14. | Man Power requirement per day: | : | 14 Nos | |
| 15. | Water requirement: 1. Drinking water 2. Dust suppression 3. Green belt | : | 4.0 KLD 1.0 KLD 1.1 KLD 1.5 KLD | |
| 16. | Power requirement | : | TNEB 400 Litres of HSD/ day | |
| 17. | Precise area communication approved by the Joint Director/Assistant Director (i/c), Department of G&M. | : | Na.Ka.No.140/Kanimam/2021, Dated: 15.06.2021. | |
| 18. | Mining Plan approved by Deputy Director, Department of G&M. | : | Rc.No.140/2021/ Mines, Dated: 24.06.2021. | |
| 19. | Department of G&M, Deputy Director, 500m Cluster Letter | : | Rc.No.140/2021/ Mines, Dated: 24.06.2021. | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | | | |
|-----|---|--|--|---|--------|--|
| 20 | VAO Certificate Regarding Structures within 300m Radius | : | 28.06.2021. | | | |
| 21. | Project Cost (excluding EMP cost) | : | Rs. 36.46,000 | | | |
| 22 | EC Recommendation | : | Validity | 30 years subject to the following upper limits. | | |
| | | | | Rough Stone | Gravel | |
| | | : | Max Total RoM in m ³ | 58,140 m ³ | - | |
| | | : | Annual Max RoM in m ³ | 14,040m ³ | - | |
| : | Max Depth in mtrs | 47m (BGL) (2m Gravel + 45m Rough Stone) | | | | |
| 23 | EMP cost (in Rs. Lakh). | : | Capital Cost – Rs. 15,82,000 Recurring Cost – Rs. 12,19,914 | | | |
| 24 | ToR Issued Details | | ToR Lr.No. SEIAA-TN/F.No.8642/SEAC/ToR-1064/2022. Dated: 01.03.2022 | | | |
| 25 | Public Hearing conducted on | | 26.04.2022 | | | |
| 26 | CER cost (in Rs. Lakh). | : | Rs. 5,00,000 | | | |

Now, the proposal was placed in the SEAC meeting held on 396th SEAC meeting held on 28.07.2023. Based on the presentation and details furnished by the project proponent, SEAC decided to recommend the proposal for grant of Environmental Clearance for the annual peak production not exceeding 14,040m³ of Rough Stone by maintaining an ultimate pit depth of 47 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.


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC- TN

2. Tree plantation & fencing around the mine lease area shall be completed before starting the production.
3. Within a period of one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Controlled Blast Parameters for reducing the cumulative impact of blast-induced ground & air vibrations and flyrock caused due to the blasting operations' using NONEL to evaluate its performance for the implementation, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining and Fuel Research / Nagpur, NIRM-Bangaluru, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
4. For securing the safety of persons employed in the mine, 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 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, 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.
5. As accepted by the Project proponent, the CER cost is Rs.5 Lakhs and the amount shall be spent for the committed activities towards Government Higher Secondary School, Boomalur Village, Palladam taluk, Tiruppur District before obtaining CTO from TNPCB.

Agenda No: 396 - 12

(File No: 8950/2021)

Proposed Rough Stone and Gravel quarry lease over an extent of 3.66.5 Ha in S.F. Nos. 219/3E(P), 219/3F2(P), 219/3G, 220/3DI, 220/3D2B, 220/3A, 220/3B & 220/3C of Kolarpatti Village, Pollachi Taluk, Coimbatore District, Tamil Nadu by Thiru T.T. Satheesan for Environmental Clearance. (SIA/TN/MIN/236552/2021 Dated


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

30.12.2021)

The proposal was placed in this 355th Meeting of SEAC held on 15.02.2023. 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, Thiru T.T. Satheesan, has applied for the Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 3.66.5 Ha in S.F. Nos. 219/3E(P), 219/3F2(P), 219/3G, 220/3D1, 220/3D2B, 220/3A, 220/3B & 220/3C of Kolarpatti Village, Pollachi Taluk, Coimbatore District, Tamil Nadu
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is 5 years and the mining plan for the period is five years. The quantum of mining for the entire five-year period should not exceed - 2,74,865 cu.m. of Rough Stone and 9,662 cu.m. of Gravel. The Annual peak production is 64480cu.m of Rough stone (3rd year) & 4488 Cu.m of Gravel (1st year). The ultimate depth of mining- 42 metres below GL
4. Earlier the proposal was placed in 279th SEAC meeting held on 28.05.2022. Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following details from the PP.
 1. As the PAP (Parambikulam Azhiyar Project) canal is located adjacent to the project site, the PP shall obtain NOC from PWD/Irrigation Department.
 2. The width of the bottom most layer of the quarry as per mining plan should not be less than 12 meters. Accordingly, the revised mining plan shall be produced.
5. The proposal was subsequently placed in the 355th SEAC meeting held on 15.02.2023. From the presentation and documents furnished by the project proponent, the SEAC had accepted the clarifications given for the earlier queries raised. However, based on the presentation made by the PP, the SEAC decided to call for the following details from the PP.

1. Since the site is surrounded by vegetation/trees, the PP shall enumerate the details of trees/vegetation around the site and implications of the proposed activity on them.
 2. From the KML file it is noted that there are many structures around the site. The PP shall enumerate the details of the structures and its age, type & quality of construction of the structures/sheds with photographs located in 50m, 100m, 200m & 300m along with number of habitants, etc.
6. Subsequently, the proposal was placed in 601st Authority meeting held on 13.03.2023. In addition to above queries, the proponent is requested to submit details for the following queries
1. Impact on soil due to the mining activity.
 2. Impact on Agriculture.
 3. Impact on Water Table and underground water.
 4. Impact on the productivity of the surrounding land.

In the view of the above, SEIAA accepts the decision of SEAC and decided to request SEAC to examine the above-mentioned queries in addition to the queries raised by SEAC. Hence, SEIAA decided to request Member Secretary, SEIAA-TN to communicate the minutes to the proponent.

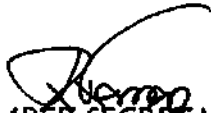
| File No | 8950/2022 | | Category | B1 |
|---------|--|---|---|------|
| | 236652/2021 | | | 1(a) |
| Sl. No | Salient Features of the Proposal | | | |
| 1. | Name of the Owner/Firm | : | Thiru.T.T.Satheesan, S/o.Thangappan, No.220/4A, Kolarpatti, Kanjampatti Post, Pollachi Taluk, Coimbatore District-642003. | |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough stone and Gravel Quarry | |
| 3. | S.F Nos. of the quarry site with area break-up | : | 219/3E(P), 219/3F2(P), 219/3G, 220/3D1, 220/3D2B, 220/3A, 220/3B & 220/3C | |
| 4. | Village in which situated | : | Kolarpatti | |


MEMBER SECRETARY
SEAC -TN

69


CHAIRMAN
SEAC- TN

| | | | | |
|--------------------------|--|---|--|---------------------|
| 5. | Taluk in which situated | : | Pollachi | |
| 6. | District in which situated | : | Coimbatore | |
| 7. | Extent of quarry (in ha.) | : | 3.66.5 Ha | |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 10°37'48.74"N to 10°37'56.86"N 77°05'31.93"E to 77°05'41.71"E | |
| 9. | Topo Sheet No. | : | 58 - F/02 | |
| 10. | Type of mining | : | Opencast Mechanized mining | |
| 11. | Life of Project | : | 5 Years | |
| | Lease Period | : | 5 Years | |
| | Mining Plan Period | : | 5 Years | |
| 12. | Mining Plan Details | : | As per approved Mining Plan | As modified by SEAC |
| | | Geological Resources m ³ (RoM) | : | Rough Stone |
| | : | | 14,00,025m ³ | |
| | : | | Gravel | Gravel |
| | : | | 41,928m ³ | |
| | Mirable Resources m ³ (RoM) | : | Rough Stone | Rough Stone |
| | | : | 2,74,685m ³ | |
| | | : | Gravel | Gravel |
| | | : | 9,662m ³ | |
| | Annual Peak Production in m ³ | : | Rough Stone | Rough Stone |
| | | : | 52,440 m ³ | |
| | | : | Gravel | Gravel |
| : | | 4,488 m ³ | | |
| Ultimate Depth in meters | | : | 42m (BGL) (2m Gravel + 40m Rough Stone) | |
| 13. | Depth of water table | : | 65m – 70m | |
| 14. | Man Power requirement per day: | : | 28 Nos | |
| 15. | Water requirement: | : | 5.5 KLD | |
| | 1. Drinking water | : | 1.0 KLD | |
| | 2. Dust suppression | : | 2.5 KLD | |
| | 3. Green belt | : | 2.0 KLD | |
| 16. | Power requirement | : | TNEB 34,784 Litres of HSD | |
| 17. | Precise area communication approved by the Assistant | : | Na.Ka.No.1487/Kanimam/2020, Dated:07.07.2021 | |



MEMBER SECRETARY
SEAC -TN

70


CHAIRMAN
SEAC- TN


| | | | | | |
|-----|--|---|--|---|----------------------|
| | Director, Department of G&M. | | | | |
| 18. | Mining Plan approved by Assistant Director, Department of G&M. | : | Rc.No.1487/Mines/2020, Dated: 11.10.2021 | | |
| 19. | Department of G&M, Assistant Director, 500m Cluster Letter | : | Rc.No.1487/Mines/2020, Dated:11.10.2021 | | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | : | 19.07.2021 | | |
| 21. | Project Cost (excluding EMP cost) | : | Rs.79,03,000/- | | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. | |
| | | | | Rough Stone | Gravel |
| | | | Max Total RoM in m ³ | 2,74,685m ³ | 9,662m ³ |
| | | | Annual Max RoM in m ³ | 52,440 m ³ | 4,488 m ³ |
| | Max Depth in mtrs | | 42m (BGL) (2m Gravel + 40m Rough Stone) | | |
| 23. | EMP cost (in Rs. Lakh). | : | Capital Cost – Rs. 32,89,550 Recurring Cost – Rs. 18,91,687 | | |
| 24. | CER cost (in Rs. Lakh). | : | Rs. 5,00,000 | | |

Now, the proposal was again placed in the 396th SEAC meeting held on 28.07.2023. Based on the presentation and details furnished by the project proponent, SEAC decided to recommend the proposal for grant of Environmental Clearance for the annual peak production not exceeding 52,440m³ of Rough Stone only by maintaining an ultimate pit depth of 42 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:


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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. Within a period of one year from the commencement of mining operations, the PP shall carry out the scientific studies on 'Design of Controlled Blast Parameters for reducing the cumulative impact of blast-induced ground & air vibrations and flyrock caused due to the blasting operations' using NONEL to evaluate its performance for the implementation, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining and Fuel Research / Nagpur, NIRM-Bangaluru, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus shall be carried out before the commencement of mining operations. A copy of such scientific study report shall be submitted to the SEIAA, MoEF, TNPCB, and DMS, Chennai as a part of Environmental Compliance.
4. For securing the safety of persons employed in the mine, 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 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, 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.
5. As accepted by the Project proponent, the CER cost is Rs.5 Lakhs and the amount shall be spent for the committed activities towards Panchayat Union Middle School, kolarpatti, Pollachi (south), Coimbatore before obtaining CTO from TNPCB.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No: 396 - 13

(File No: 8999/2023)

Proposed Rough Stone & gravel quarry lease area over an extent of Extent 3.03.0 Ha at SF. No. 908 & 914 of Panaiyadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu by Thiru. A. Subbaraman - For Environmental Clearance. (SIA/TN/MIN/413966/2023, Dated: 18.01.2023)

The proposal was placed for appraisal in the 396th meeting of SEAC held on 28.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. A. Subbaraman has applied for Environmental Clearance for the Proposed Rough Stone & gravel quarry lease area over an extent of Extent 3.03.0 Ha at SF. No. 908 & 914 of Panaiyadipatti Village, Vembakottai Taluk, Virudhunagar District, Tamil Nadu.
2. The project/activity is covered under category "B1" of Item 1 (a) "Mining of Minerals Projects" of the schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 5 years. The production for 5 years not to exceed 2,10,505m³ of Rough stone & 88,280m³ of Gravel to an ultimate depth of Mining 30m Below ground level.
4. ToR issued vide - Lr No -SEIAA-TN/F.No.8999/SEAC/ToR-1153/2020, Dated: 06.06.2022.
5. Public hearing was conducted on Dated 13.09.2022.
6. Earlier the proposal was placed in the 371st meeting of SEAC held on 26.04.2023. During the presentation SEAC observed that some of the structures from Google imagery, hence SEAC decided to call for the following details.
 1. The PP shall carry out a survey and enumerate on the structures located within 50m, 100m, 200m and 300m radius from the proposed site, with details such as nature of structure, use, occupation, etc.

Now, the proposal was placed in the 396th SEAC meeting held on 28.07.2023. Based on the presentation and documents furnished. The SEAC decided to call for additional details.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

1. The proponent shall revise the mining area and submit 'modified mining plan' duly approved by the concerned AD/Mines with revised quantity, extent and SF No.
2. The proponent shall submit an action plan in order to address the non-compliance of earlier issued EC conditions and to effectively implement the systematic and scientific mining on ground.
3. The proponent shall submit the photographic/videographic evidence of garland drain.

Upon the receipt of above said details, further deliberation shall be done. Hence, the proponent is advised to submit the additional documents/ information as sought above within a period of 30 days failing which your proposal will automatically get delisted from the PARIVESH portal.

Agenda No: 396-14

(File No.7439/2020)

Proposed Earth Quarry lease over an Extent of 3.64.5 Ha in S.F.No. 712/2C, 712/2D & 712/2E (P), Thirumullaivasal Village, Sirkazhi Taluk, Mayiladuthurai (Formerly Nagapattinam) District, Tamil Nadu by Thiru. V. Senthamilseran – For Environmental clearance. (SIA/TN/MIN/142135/2020, dated: 10.02.2020)

The proposal was placed in the 396th meeting of SEAC held on 28.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Thiru,V. Senthamilseran has applied for Environmental Clearance for the Proposed Earth Quarry lease over an Extent of 3.64.5 Ha in S.F.No. 712/2C, 712/2D & 712/2E (P), Thirumullaivasal Village, Sirkazhi Taluk, Mayiladuthurai (Formerly Nagapattinam) 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. Earlier, the proposal was placed for appraisal in the 159th, 209th, 298th& 359th meeting of SEAC. During the 159th, 209th& 298th meetings, the proposal was deferred for the reasons stated therein. In the 359th meeting of SEAC held on 02.03.2023, Based on the presentation and details furnished by the project


MEMBER SECRETARY
SEAC -TN

74


CHAIRMAN
SEAC- TN

proponent. SEAC decided to recommend the proposal for grant of Environmental Clearance subject to the conditions stated therein.

4. Subsequently, the proposal was placed in 605th meeting of Authority held on 28.03.2023. The Authority, during deliberations, noted the following:

i) The KML file is not available in the PARIVESH Portal and hence the site boundary and site conditions could not be ascertained.


ii) From the latitude & longitude co-ordinates provided in the proposal by the proponent, it is ascertained from the satellite imagery that the project area consists of dense vegetation presumably with trees. It shall be ascertained whether the trees are numbered and where and how they are proposed to be transplanted.

iii) The recommended earth removal of 60,860m³ will lead to a tremendous loss of basic organic matter, vegetation, nutrients, and soil fertility. Therefore, the project proponent may be asked to do a soil fertility test to understand the bulk density, porosity, nutrient content such as N, P, K and also micro nutrients of the proposed site, to ascertain the site's capacity for agriculture and horticulture.

iv) The area around the project site appears to be agricultural fields and hence the proposed removal of earth up to 2m will impact the agricultural activities going on around the site resulting in poor productivity in those fields.

Moreover, 3.64.5 Ha is a large area for earth removal. Some of the impacts envisaged are decreased productivity, loss of earthworms, loss of microbial activity and loss of soil properties.

The use of machineries for soil removal will result in compaction of the soil and will change the land use pattern, soil structure, properties and quality of soil like filtering and buffering abilities. It will affect the crop yield in the neighbouring fields and change the local agriculture scenario. Such agricultural fields should be best avoided from soil removal as the quantity of removal envisaged is a huge quantity.


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC- TN

Further, such a huge quantity of soil removal will result in erosion and impact the biodiversity, soil, groundwater, and also surface water flow. It is sure to alter the soil profile, contaminate the local water bodies, wetlands and working for 2 years will also result in dust and noise pollution. For these reasons, fragile areas like these should be prevented from earth removal as far as possible. In this regard, the proponent may be asked to do detailed soil studies to ascertain if the soil is fit for cultivation before such earth removal is recommended.

Hence, in view of the above, the Committee shall examine the above-mentioned points and furnish its recommendations to SEIAA on whether the proposal may be considered for quarrying keeping sustainable mining in view.

5. In view of the above, the proposal was again placed in the 373rd meeting of SEAC held on 28.04.2023. The proponent gave re-presentation. The Committee carefully examined the queries raised by SEIAA and the replies furnished by the proponent. Based on the presentation and details furnished by the project proponent, the Committee decided to obtain the following additional particulars from the proponent:
 - i) A sworn affidavit from the proponent stating that the project site will be used only for agriculture/horticulture purposes after the proposed removal of earth.
 - ii) The KML file shall be re-uploaded in the PARIVESH Portal in proper viewable format.
6. The proponent vide letter dated.20.07.2023, gave a reply to the queries raised by SEAC in 373rd SEAC meeting.

In view of this, the proposal was again placed in this 396th SEAC meeting. Based on the reply furnished and the presentation made by the proponent, the Committee after deliberations, decided to re-iterate its recommendations already made in the 359th SEAC meeting held on 02.03.2023.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Agenda No: 396-15

(File No.8216/2021)

Proposed Rough Stone & Gravel quarry lease over an extent of 0.97.5Ha at S.F.No. 154/1A (P) of Morattupalayam Village, Uthukuli Taluk, Tiruppur District, Tamil Nadu by Thiru. M. Vijayakumar - For Environmental Clearance. (SIA/TN/MIN/191076/2021, dated: 02.01.2021).


The proposal was placed in the 396th meeting of SEAC held on 28.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, Thiru. M. Vijayakumar, has applied for Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 0.97.5Ha at S.F.No. 154/1A (P) of Morattupalayam Village, Uthukuli Taluk, Tiruppur 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. Earlier, the proposal was placed in the 270th meeting of SEAC held on 06.05.2022. Based on the presentation and document furnished by the project proponent, SEAC noted that the project proponent has neither installed the fencing nor formed the benches and nor developed any green belt in the already mined out quarry site. Hence the committee decided that the project proponent shall first comply with the conditions attached to previous EC and also obtain a letter regarding safety of the mine in the absence of benches from the Department of Mine Safety.
4. The project proponent has furnished the reply vide letter dated 11.04.2023 for the details sought by SEAC in the 270th SEAC meeting.

In view of this, the proposal was again placed in this 396th SEAC meeting held on 28.07.2023.

Based on the presentation and documents furnished by the project proponent, the Committee observed that the proposed quarry of Thiru. M. Eswaran located at S.F.No.160/2 lies within a distance of 500m from the lease area of Thiru. M. Vijayakumar.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


The Deputy Director, Dept. of Geology & Mining has furnished the details of quarries located within 500m radius from the quarry of Thiru. M. Eswaran and Thiru. M. Vijayakumar. The details are as follows:

1. The details of 500m cluster letter furnished by Deputy Director vide letter dated.06.11.2020 in the case of Thiru.M.Eswaran (SEIAA file no.8199):

| a. Existing quarries | | | | | | |
|----------------------|--------------------|-----------------|--------------------|-------------|--------------------------------------|----------------------------|
| S No | Name of the lessee | Village | S.F No | Extent Hect | Collector's proceedings No & Date | Lease period |
| 1 | M.K. Rasappan | Morattu palayam | 139/2 140/2 (P) | 1.23.0 | 536 / Mines / 2015 date 21.9.2016 | 21.09.2016 - 20.09.2021 |
| 2 | M. Vijaya kumar | Morattu palayam | 164/1A (Part) | 0.97.5 | 509 / Mines / 2015 DATE 21.9.2016 | 21.09.2016 - 20.09.2021 |

| b. Abandoned / expired quarries | | | | |
|---------------------------------|-----------------------|-----------------------------|-----------------|---|
| Sl No | Name of the Owner | Village and S.F No | Extent in Hects | Expired on |
| 1. | S.P. Balu subramaniam | Morattu palayam 171 Part | 2.56.5 | 29.05.2016 |
| 2 | Padmanaban | Morattu palayam 156/1 | 1.01.5 | Very very old pit. Details not available in this office records |
| 3. | T.N. Thangaraj | Morattu palayam 156/2B | 0.43.5 | 18.05.2008 |

| c. Present proposed quarries | | | | | | |
|------------------------------|--------------------|-----------------|-----------------|--------------|------------------------------------|---------------------|
| S No | Name of the lessee | Village | S.F. No | Extent Hect. | Collector's proceedings No. & Date | Lease period |
| 1. | T.N. Thangaraj | Morattu palayam | 156/2 (Part) | 1.22.0 | - | Nearby applied area |
| 2 | M. Eswaran | Morattu palayam | 180/2 | 1.74.0 | - | Proposed area. |


 Deputy Director,
 Geology and Mining.

2. The details of 500m cluster letter furnished by Deputy Director vide letter dated.07.12.2020 in the case of Thiru.M.Vijayakumar (SEIAA file no.8216):


 MEMBER SECRETARY
 SEAC -TN


 CHAIRMAN
 SEAC- TN

a. Existing quarries

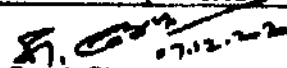
| S No | Name of the lessee | Village | S.F. No | Extent Hect. | Collector's proceedings No. & Date | Lease period |
|------|--------------------|-----------------|--------------------|--------------|--------------------------------------|----------------------------|
| 1 | M.K. Rasappan | Morattu palayam | 139/2 140/2 (P) | 1.23.0 | 536 / Mines / 2015 date 21.9.2016 | 21.09.2016 - 20.09.2021 |
| 2 | M. Eswaran | Morattu palayam | 160/2 | 1.24.0 | 516 / Mines / 2013 date 14.6.2016 | 18.06.2016 - 17.06.2021 |
| 3 | M.E. Aruna chelam | Morattu palayam | 130/2 (Part) | 0.70.0 | 716 / Mines / 2014 DATE 13.1.2016 | (20.1.2016 - 19.1.2021) |

b. Abandoned / expired quarries

| Sl No | Name of the Owner | Village and S.F. No | Extent in Hects | Expired on |
|-------|-----------------------|-----------------------------|-----------------|---|
| 1. | S.P. Balu subramaniam | Morattu palayam 171 Part | 2.56.5 | 29.05.2016 |
| 2 | Padmanaban | Morattu palayam 156/1 | 1.01.5 | Very very old pit. Details not available in this office records |
| 3. | T.N. Thangaraj | Morattu palayam 156/2B | 0.43.5 | 18.05.2008 |

c. Present proposed quarries

| S. No | Name of the lessee | Village | S.F. No | Extent Hect. | Collector's proceedings No. & Date | Lease period |
|-------|--------------------|-----------------|------------------|--------------|------------------------------------|---------------|
| 1 | M. Vijaya Kumar | Morattu palayam | 154/1A (Part) | 0.97.5 | - | Proposed area |


Deputy Director,
Geology and Mining.

From the above, it was observed that the quarry of T. N. Thangaraj located at S.F.Nos. 155/2 (1.22Ha), which is mentioned as proposed quarry in the cluster letter dated. 06.11.2020 is not mentioned in the cluster letter dated.07.12.2020 issued in the case of Thiru. M. Vijayakumar.

Further, from the SEIAA office records and KML file, it is noted that the quarries of Thiru. A. Kulandhai Venkatesh located at S.F.Nos.130/2 (Part) and Thiru. M. R. Boopathi located at S.F.Nos.127/2B2 (Part) are also located within 500m from the quarry lease of Thiru. M. Vijayakumar. But they too were not included in the cluster letter issued by Deputy Director vide letter dated.07.12.2020.

In view of the above, the Committee, after deliberations decided that the proponent shall obtain clarification on the aforesaid different period of lease validity from the


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN

Deputy Director, Dept. of Geology and Mining on the above-mentioned inconsistencies in his cluster letter dated.07.12.2020. The proponent is advised to submit the above-mentioned details within a period of 30 days failing which the proposal will be automatically delisted from the PARIVESH Portal.

Agenda No: 396-16

(File No.8272/2022)

Proposed Rough Stone and Gravel Quarry lease over an extent of 14.85.5 Ha in S.F.No. 718(Part), 719/1A(Part), 722/1, 722/2 and 730/3 at Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu. by M/s. Shri Venkateshwara Construction Materials and Industries – For Environmental clearance. (SIA/TN/MIN/405367/2022, dated:05.11.2022)

The proposal was placed in the 396th meeting of SEAC held on 28.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Shri Venkateshwara Construction Materials and Industries has applied for Environmental Clearance for the Proposed Rough Stone and Gravel Quarry lease over an extent of 14.85.5 Ha in S.F.No. 718(Part), 719/1A(Part), 722/1, 722/2 and 730/3 at Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District, Tamil Nadu.
2. The project/activity is covered under Category “B1” of Item 1(a) “Mining of Minerals Projects” of the Schedule to the EIA Notification, 2006.
3. ToR was issued to the project proponent vide Lr.No.SEIAA-TN/F.No.8272/SEAC/ToR-946/2021 dated.30.04.2021.
4. Public hearing was conducted on 03.08.2022.
5. Airports Authority of India vide their letter dated.20.06.2023 has requested the MS-SEIAA as follows:

“... The extension of runway and associated works requires uninterrupted supply of procurement of construction material from nearby quarries for preparation and execution of subgrade/ subbase/ various layers of the Airfield pavement. The agency has submitted letter no.RTL-CHN/AAI-TUT/844/2023 dated.03.05.2023 requesting AAI to intimate Government orders for operating the following


MEMBER SECRETARY
SEAC -TN

80


CHAIRMAN
SEAC -TN

quarry which is adjacent to the existing quarry approved by AAI for the mix design using the aggregate from this quarry. By issuing order to operate the referred quarry at the earliest, the same type of aggregates may be utilized for the Runway work, which will help to complete the prestigious project being monitored by PMO.

Details of Quarry: Venkateshwara Construction Materials and Industries over an area of 14.85.5ha at S.F.No. 718 (Part), 719/1A (Part), 722/1, 722/2 and 730/3 Padmanabamangalam Village, Srivaikundam Taluk, Thoothukudi District.

Being a National Important Project, it is kindly requested to expedite orders for operating the above quarry, in order to complete the subject project within the probable date of completion....”

6. Earlier, the proposal was placed for appraisal in 349th meeting of SEAC held on 20.01.2023 and was deferred for the reasons stated in the minutes. Subsequently, it was again placed in this 375th SEAC meeting held on 04.05.2023.

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

- i) The proponent shall furnish details of the revised co-ordinates in a sworn affidavit as per the revised mining plan submitted.
 - ii) The proponent shall complete fencing & greenbelt development, especially in the 100m safety distance provided facing towards the side of Vallanadu Black Buck Sanctuary.
 - iii) The proponent shall furnish the source for procuring 7000nos. of saplings envisaged.
7. The proponent vide letter dated.09.06.2023, furnished a reply to the queries raised in the 375th SEAC meeting.
8. In view of the above, the proposal was again placed in this 396th SEAC meeting.
9. The salient features of the proposal are as follows:

| | | | |
|---------|----------------------------------|----------|------|
| File No | 8272 | Category | 1(a) |
| | SIA/TN/MIN/405367/2023 | | B1 |
| Sl. No | Salient Features of the Proposal | | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | |
|--|---|---------------------------------------|--|
| 1. | Name of the Owner/Firm | : | M/s. Shri Venkateshwara Construction Materials and Industries, 189, Palayamkottai Road, Thoothukudi District - 628 008 |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Rough Stone and Gravel Quarry |
| 3. | S.F Nos. of the quarry site with area break-up | : | 718(Part), 719/1A(Part), 722/1, 722/2 and 730/3 |
| 4. | Village in which situated | : | Padmanabamangalam |
| 5. | Taluk in which situated | : | Srivaikundam |
| 6. | District in which situated | : | Thoothukudi |
| 7. | Extent of quarry (in ha.) | : | 14.85.5 Ha |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 08°39'40"N to 08°39'55"N 77°55'09"E to 77°55'24"E |
| 9. | Topo Sheet No. | : | 58 H/ 14 |
| 10. | Type of mining | : | Opencast method of semi mechanized mining |
| 11. | Life of Project | : | 5 years |
| | Lease Period | : | 5 years |
| | Mining Plan Period | : | 5 years |
| 12. | Mining Plan Details | : | As per approved Mining Plan |
| | Geological Resources m ³ (RoM) | : | As modified by SEAC |
| | | : | Rough Stone– 62,32,300 m ³ |
| | | : | Rough Stone– 52,80,954 m ³ |
| | : | Gravel – 2,96,804 m ³ | |
| | : | Gravel – 2,51,474 m ³ | |
| : | Weathered Rock- 1,48,402m ³ | | |
| : | Weathered Rock- 1,25,737 m ³ | | |
| Minable Resources m ³ (RoM) | : | Rough Stone– 23,93,988 m ³ | |
| | : | Rough Stone– 18,70,362 m ³ | |
| | : | Gravel – 36,062 m ³ | |
| : | Gravel – 36,062 m ³ | | |
| : | Weathered Rock- 18,031 m ³ | | |
| : | Weathered Rock- 17,563 m ³ | | |

| | | | | |
|-----|---|---|---|---|
| | Annual Peak Production in m ³ | : | Rough Stone– 4,79,142 m ³ | Rough Stone– 3,88,356 m ³ |
| | | | Gravel – 36,062m ³ | Gravel – 36,062m ³ |
| | | | Weathered rock - 18,031 m ³ | Weathered rock – 17,563 m ³ |
| | Ultimate Depth in meters | : | 45m below ground level | 45m below ground level |
| 13. | Depth of water table | : | 63m below ground level | |
| 14. | Man Power requirement per day: | : | 55 Nos. | |
| 15. | Water requirement: 1. Drinking Water & Domestic Purpose 2. Dust suppression 3. Green belt | : | 20.0 KLD 2.0 KLD 15.0 KLD 3.0 KLD | |
| 16. | Power requirement | | No electricity needed for mining operation. | |
| 17. | Precise area communication approved by the District Collector with date | : | Roc.No.180/2015-Mines, Dated 17.09.2019. | |
| 18. | Revised Mining Plan approved by the Assistant Geologist/ Assistant Director (i/c), Dept.of Geology and Mining with date | : | Roc.No.G.M.1/180/2015, Dated 01.03.2023 | |
| 19. | 500m cluster letter issued by the Assistant Director, Dept. of Geology and Mining with date | | Roc.No.GM1/180/2015, Dated 05.05.2021. | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | | Letter dated: 06.02.2020. | |
| 21. | Project Cost (excluding EMP cost) | : | Rs. 14,742,000/- | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. |
| | | : | Max Total RoM in m ³ | Rough stone – 18,70,362 m ³ |

| | | | |
|-----|-------------------------|------------------------------------|---|
| | | | Gravel – 30,062 m ³ |
| | | | Weathered rock – 17,563 m ³ |
| | | : Annual Max RoM in m ³ | Rough stone – 3,88,356 m ³ |
| | | | Gravel – 36,062 m ³ |
| | | | Weathered rock – 17,563 m ³ |
| | | : Max Depth in mtrs | 45m below ground level |
| 23. | EMP cost (in Rs. Lakh). | : | Capital Cost – Rs.48.05 /- Recurring Cost – Rs. 63.25 /- |
| 24. | CER cost (in Rs. Lakh). | : | Rs.20,00,000/- |

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 3,88,356m³ of rough stone, 36,062m³ of gravel & 17,563 m³ of weathered rock by restricting the ultimate depth of mining upto 45m below ground level and 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, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
- 2) Few survey nos are classified as 'nanjai'. Hence, the proponent shall obtain land classification changed from 'Nanjai' to 'Punjai' from competent authority before obtaining CTO from TNPCB.
- 3) The PP shall not adopt the 'Deep-hole large diameter drilling and blasting' without obtaining the prior permission obtained from the Director of Mines Safety, DGMS-Chennai Region.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- 4) However, since the sanctuary is situated within a distance of 2.1 m, the PP shall carry out the scientific studies annually to fine tune the blast design parameters for controlling the blast-induced ground/air- vibrations produced from the blasting operations carried out in the proposed quarry for safe guarding the flora & fauna, by involving anyone of these reputed Research and Academic Institution such as CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, IIT-(ISM)/Dhanbad, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. 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.
- 5) The PP shall furnish a Standard Operating Procedures (SoP) for carrying out the blasting operations to the concerned AD (Mines) at the time of execution of lease.
- 6) For securing the safety of persons employed in the mine, 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 30 m (or) after the completion of 3 years of operation whichever is earlier, by involving anyone of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM, IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus, 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.
- 7) As accepted by the project proponent, Rs. 15 Lakhs shall be spent for the conservation measures towards Vallanadu Black Buck Sanctuary in consultation with the DFO.
- 8) As accepted by the Project Proponent the CER cost of Rs. 20 Lakhs and the amount shall be spent for the activities as committed towards the following schools before obtaining CTO from TNPCB.

| S.No. | School |
|-------|---|
| 1 | Government Middle School, Meenatchipuram |
| 2 | Government Middle School, Padmanabamangalam |

| | |
|---|--|
| 3 | Adidraavidar Primary School, Srimoolakarai |
| 4 | Government Middle School, Esavankulam |
| 5 | Government Middle School, Srivaikundam |

Agenda No: 396-17

(File No.8293/2020)

Proposed Rough Stone & Gravel quarry lease over an extent of 0.51.0 Ha at S.F.Nos. 207/10B2 of Melur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Tvl.Sai Hridham Infraa (P) Ltd - For Terms of Reference. (SIA/TN/MIN/60550/2021 dated: 05.02.2021)

The proposal was placed in the 396th meeting of SEAC held on 28.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tvl.Sai Hridham Infraa (P) Ltd has applied for Terms of Reference for the Proposed Rough Stone & Gravel quarry lease over an extent of 0.51.0 Ha at S.F.Nos. 207/10B2 of Melur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification,2006.
3. Earlier, the proposal was scheduled for appraisal in the 206th SEAC meeting held on 08.03.2021. During initial discussions, SEAC was informed by the representative of the Proponent that the Proponent Thiru. S. Palanisamy is bed-ridden and could not attend the meeting as he is undergoing medical treatment. However the representative failed to produce identity proof and also medical certificate to support his claim. Hence the Committee decided to defer discussion of the project proposal to a later date.
4. The proponent vide letter dated.07.07.2023, requested to schedule the proposal in the upcoming meeting stating that he was hospitalized during the time of earlier meeting.
5. In view of the above, the proposal was again placed in this 396th SEAC meeting.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

During the presentation, the EIA Co-Ordinator stated that the proponent would like to withdraw the proposal. Hence, SEAC decided to accept the proponent's request to withdraw the proposal and SEIAA may accordingly take necessary action in accordance with the procedures laid by the MoEF&CC.

Agenda No: 396-18

(File No: 7909/2020)

Proposed of Rough stone and Gravel Quarry lease over an extent of 1.62.0Ha in S.F.No. 42/1B and 43/1B of Pachapalyam Village, Sulur Taluk, Coimbatore District, Tamil Nadu by Thiru. A. Myilsamy- for Environmental Clearance.

(SIA/TN/MIN/57115/2020, Dated 01.09.2022)

The proposal was placed in 336th Meeting of SEAC held on 07.12.2022. The details of the project furnished by the proponent are available in the website (www.parivesh.nic.in). The SEAC noted the following:


1. The Project Proponent, Thiru. A. Myilsamy has applied for Environmental Clearance for the proposed Rough Stone and Gravel quarry lease over an extent of 1.62.0 Ha at S.F.No.42/1B and 43/1B of Pachapalyam Village, Sulur Taluk, Coimbatore District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. ToR issued-Lr.No.SEIAA-TN/F.No.7909/SEAC/ToR-886/2020 dated:16.03.2021.
4. Public hearing conducted on Dated:27.05.2022.

During presentation, on viewing Google map, it appears that PP have mined up to 3m to 5m depth. Hence SEAC decided that the concerned AD Geology & Mines shall inspect the site and furnish the inspection report regarding any violation activity by the Proponent.

Now the proposal was placed in 396th Meeting of SEAC held on 28.07.2023. The PP has furnished letter from AD Mines dated 01.02.2023 which states that,

| Sl.No. | Clarification requested | Reply |
|--------|---|--|
| 1 | Clarification regarding the excavation of mineral prior to obtaining quarry lease | A total quantum of 24780 chm of top soil has been excavated in the S.F.Nos. 42/1B & 43/18 from the applied area with dimension of 236 m (L) x 70m (W) x 1.5m |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | |
|--|--|---|
| | | (D). Further, the excavated mineral has been used for the construction of the bunds around the leasehold area and to make ramp in the bunker for transporting mineral from quarry to crusher. |
|--|--|---|



Based on the presentation and documents furnished by the project proponent, SEAC decided that the reply furnished by the AD is not only evasive but also not factual. SEAC, therefore decided to request the SEIAA to ask the Director of Geology & Mining, Chennai to depute a senior official to inspect the site and give a report and also for obtaining an explanation from the AD (Mines), Dept of Geology and Mining, Coimbatore for not recording the ground realities and factual information about the site condition.

Agenda No: 396 - 19


(File No: 8091/2021)

Proposed Multi-Colour Granite Quarry over an extent of 4.34.0 Ha in SF.No.456 (Nadanthai) & 25/1 (Irukku), Nadanthai & Irukku Village, Paramathivelur Taluk, Namakkal District by Thiru.P.Velmani- For Environmental Clearance. (SIA/TN/MIN/416117/2023 Dt. 28.01.2023).

The proposal was placed in the 370th SEAC Meeting held on 25.04.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Thiru. P. Velmani has applied for Environmental


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Clearance for the Proposed Multi-Colour Granite Quarry over an extent of 4.34.0 Ha in SF.No. 456 (Nadanthai) & 25/1 (Irrukkur), Nadanthai & Irrukkur Village, Paramathivelur Taluk, Namakkal District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 1(a) " Mining of mineral of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 20 years. The mining plan is for the period of five years & the production should not exceed 50,069m³ of ROM, 30,042m³ of Multi-Colour Granite @ Recovery 60% & 20,027m³ of Granite waste @ 40% with an ultimate depth of mining is 39m BGL. The annual peak production is 10128 m³ of ROM (2nd Year), 6077 m³ of Multi-Colour Granite @ Recovery 60% (2nd Year) & 4051 m³ of Granite waste @ 40% (2nd Year).
4. ToR was issued vide - Lr. No: SEIAA-TN/F.No.8091/SEAC/ToR-1140/2022, Dated: 08.04.2022.
5. Public hearing was conducted on Dated: 18.11.2022.

Based on the presentation and documents furnished by the project proponent, SEAC decided to seek the following details from the project proponent.

- (i) The PP shall furnish drone video covering the cluster area as per ToR condition.
- (ii) The PP shall complete tree plantation, fencing and garland drain as suggested in the CCR granted by the IRO, MoEF & CC.

Now the proposal was placed in 396th Meeting of SEAC held on 28.07.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

| Sl.No | SEAC Query | Reply |
|-------|---|--|
| 1. | The PP shall furnish drone video covering the cluster area as per ToR condition. | We herewith submitting the drone video covering entire area of the project site. |
| 2. | The PP shall complete tree plantation, fencing and garland drain as suggested in the CCR granted by the IRO, MoEF & CC. | The tree plantation, fencing and garland drain are developed as suggested in the CCR granted by the IRO, MOEFCC and the photograph furnished showing the tree plantation, fencing etc. |


MEMBER SECRETARY
SEAC -TN

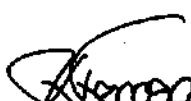
CHAIRMAN
SEAC- TN

| | | | | |
|---------|---|---|--|---------------------|
| File No | 8091/2021 | | Category | B1 |
| | SIA/TN/MIN/ 416117/2023 Dt. 28.01.2023 | | | |
| Sl. No | Salient Features of the Proposal | | | |
| 1. | Name of the Owner/Firm | : | Thiru.P.Velmani S/o.Palani Gounder Narasingapuram Post Nethaji Nagar, Attur Taluk Salem District - 636106 | |
| 2. | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Multi Colour Granite Quarry | |
| 3. | S.F Nos. of the quarry site with area break-up | : | 456 (Nadanthai) and 25/1 (Irrukkur) | |
| 4. | Village in which situated | : | Nadanthai & Irrukkur | |
| 5. | Taluk in which situated | : | Paramathivelur | |
| 6. | District in which situated | : | Namakkal | |
| 7. | Extent of quarry (in ha.) | : | 4.34.0Ha | |
| 8. | Latitude & Longitude of all corners of the quarry site | : | 11°10'40.60" N to 11°10'48.77" N 77° 58'18.81" E to 77° 58' 28.30" E | |
| 9. | Topo Sheet No. | : | 58 E/16 | |
| 10. | Type of mining | : | Opencast semi mechanized mining method | |
| 11. | Life of Project | : | 20 years | |
| | Lease Period | : | 20 years | |
| | Mining Plan Period | : | 5 years | |
| 12. | Mining Plan Details | : | As per approved Mining Plan | As modified by SEAC |
| | Geological Resources m ³ (RoM) | : | 16,61,880m ³ of ROM, 9,97,128m ³ of Recovery@60%, 6,64,752m ³ of Granite waste@40%, 65,236 m ³ of Weathered Rock & | - |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | |
|-----|--|--|---|
| | | 56,572m ³ of Topsoil | |
| | Minable Resources m ³ (RoM) | : 6,14,945m ³ of ROM, 3,68,967m ³ of Recovery@60%, 2,45,978m ³ of Granite waste@40%, 42,384m ³ of Weathered Rock & 40,386m ³ of Topsoil | - |
| | Annual Peak Production in m ³ | : 10,128m ³ of ROM (2 nd year), 6077m ³ of Recovery@60% (2 nd year) & 4051m ³ of Granite waste@40% (2 nd year) | - |
| | Ultimate Depth in meters | : 39m BGL As per ToR | |
| 13. | Depth of water table | : 68m in Summer season – 64m in rainy season | |
| 14. | Man Power requirement per day: | : 43 Employees | |
| 15. | Water requirement: 1. Drinking water & Utilized water 2. Dust suppression 3. Green belt | : 4.8KLD 1.8 KLD 2.0 KLD 1.0 KLD | |
| 16. | Power requirement | : TNEB 80,112 liters of HSD | |
| 17. | Precise area communication approved by the industries (MMB.2) Department. | : G.O.(3D) No.26 Dated:19.10.2015 | |
| 18. | Mining Plan approved by the Commissioner of G&M (i/c). | : Lr.No.8537/MM5/2014 dated:24.04.2015 | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | | | |
|-----|--|---|--|--|
| 19. | 500m Cluster Letter approved by the Assistant Director, Department of G&M. | : | Roc.No.537/Mines/2020 dated:16.10.2020 | |
| 20. | VAO Certificate Regarding Structures within 300m Radius | : | Letter dated:16.10.2020 | |
| 21. | Project Cost (excluding EMP cost) | : | Rs. 3,27,60,000/- | |
| 22. | EC Recommendation | : | Validity | 30 years subject to the following upper limits. |
| | | : | Max Total RoM in m ³ | 50,069m ³ of ROM. 30042m ³ of Recovery@60% & 20027m ³ of Granite waste@40%. |
| | | : | Annual Max RoM in m ³ | 10,128m ³ of ROM (2 nd year). 6077m ³ of Recovery@60% (2 nd year) & 4051m ³ of Granite waste@40% (2 nd year) |
| | | : | Max Depth in mtrs | 39m BGL As per ToR |
| 23. | EMP cost (in Rs. Lakh). | : | Rs.129.50 Lakhs | |
| 24. | CER cost (in Rs. Lakh). | : | Rs.5,00,000 | |
| 25. | EIA report submitted on | : | Dated: 31.01.2023 | |
| 26. | ToR details | : | Lr.No:SEIAA-TN/F.No.8091/SEAC/ToR-1140/2022,Dated: 08.04.2022. | |
| 27. | Public hearing details | : | Public hearing conducted on Dated:18.11.2022. | |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the annual peak production capacity of not exceeding 10,128m³ of ROM which includes 6077m³ of granite (@60% recovery) & 4051m³ of granite waste by restricting the ultimate depth of mining upto 39m BGL and 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, vide MoEF&CC Notification S.O, 1807(E) dated 12.04.2022.
- 2) The PP shall remove the embedded boulders from the slope of the existing ground profile safely following the guidelines as stipulated in the permission obtained from the Director of Mines Safety, DGMS-Chennai Region.
- 3) The PP shall carry out the required number of plantations as committed in the EMP around the periphery of the lease boundary without deviation before the execution of the lease.
- 4) As accepted by the Project Proponent the CER cost of Rs. 5 Lakhs and the amount shall be spent for the activities as committed towards Panchayat Union Primary School, Supayampalayam before obtaining CTO from TNPCB.


Agenda No: 396- 20

(File No: 9211/2022)

Proposed Rough Stone quarry lease over an extent of 3.00.0Ha at S.F.No. 314 (Part-1), Thuppuganapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.G. Perumal -For Terms of Reference. (SIA/TN/MIN/76214/2022, Dt. 27.04.2022)

The proposal was earlier, placed in 287th Meeting of SEAC held on 22.06.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru. G. Perumal has applied for Terms of Reference for the proposed Rough Stone quarry lease over an extent of 3.00.0 Ha at S.F.No.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

314 (Part-1), Thuppuganapalli Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu. It is Govt Poromboke land.

2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 10 years. The mining plan is for the period of five years & production should not exceed 516612m³ of rough stone & 4018m³ of Topsoil With an ultimate depth is 64m BGL(40m AGL + 24m BGL).The annual peak production is 174582m³ of Rough Stone (1st year) & 4018m³ of Topsoil(1st year) .

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

Subsequently, it was placed in 534th Authority meeting held on 20.7.2022 and decided to refer back the proposal to SEAC for the following reasons.

1. Upon Scrutiny, it is ascertained that the proponent had obtained Environmental Clearance from SEIAA-TN for Rough Stone Quarry at S.F.No.314 (Part-1) for 3.00.0Ha vide Lr.No.SEIAA-TN/F.No.5265/1(a)/EC.No:3279/2016 dated: 11.07.2016 for an approved quantity of 1,58,043 m³ of rough stone and depth of mining 42m for a period of five years from the date of issue or mine lease period whichever is earlier.
2. Further, the proponent had applied for Environmental Clearance at O/o DEIAA for additional removal of 6,93,357m³ of Rough Stone at S.F.No. (Part-1) for 3.00.0Ha dated 26.09.2017 for which EC had already been issued by the SEIAA vide Lr.No.SEIAA- TN/F.No.5265/1(a)/EC.No:3279/2016 dated: 11.07.2016.

Based on this DEIAA had issued EC vide Lr.No.DEIAA-KGI/EC.No:20/2018 dated: 27.02.2018 for a quantity of 6,84,817 m³ of Rough Stone for a Depth of 91.5m (40m – AGL & 51.5m – BGL) for a period of 4 years.

Further, The Environmental Clearance Letter granted by DEIAA vide Lr.No.DEIAA-KGI/EC.No:20/2018 dated: 27.02.2018 had mentioned that "*The proposal area situated 8.5km away from The Cauvery Wild Life Sanctuary and hence it Attracts NBWL*


MEMBER SECRETARY
SEAC -TN

94


CHAIRMAN
SEAC- TN

clearance". Hence the proponent is requested to furnish the NBWL clearance obtained before commencement of quarrying activity as per the earlier EC granted.

Hence, the proponent is requested to furnish the EC compliance report for the EC issued by DEIAA vide Lr.No. DEIAA-KGI/EC. No:20/2018 dated: 27.02.2018.

- The DD mines Letter vide Roc.No.502/2017/Mines dated 24.10.2017 had stated that

"In the letter 5th cited, the lessee Thiru G. Perumal had stated that due to increase in demand of the rough stone in the market the production of rough stone is more than the targeted production indicated in the Mining plan for the 1st Year and therefore with the increase in production for the next four-year lease period, he had submitted modified mining plan for approval.

As per the approved mining plan, the approved total quantity of Rough Stone that has to be quarried during the first five years of the lease period is 1,58,043 m³ and the annual production 31,650 m³.

But the lessee has quarried a quantity of 54,000 m³ of Rough Stone during the period from 23.12.2016 to 31.03.2017 and 42,000 m³ during the period from 01.04.2017 to 26.07.2017".

As per the aforesaid statement by DD mines, the PP has mined more than the quantity approved in the mining plan.

As per the KML file uploaded in the Parivesh portal, it is observed that there exists a TNEB office and Substation – Uddanapalli within 500m Radius. Hence the proponent is requested to furnish the NOC obtained from TNEB, since the quarrying of Rough Stone involves blasting.

Then, the proposal was placed for appraisal in 305th meeting of SEAC held on 23.08.2022. The Project proponent made a presentation along with clarifications for the above shortcomings observed by the SEIAA. Based on the presentation, SEAC decided as follows.

1. The PP shall furnish the certified compliance report on the Existing EC issued by SEIAA & DEIAA.
2. As the validity of NoC submitted by the PP is valid for a period of five years from 07.09.2018, the PP shall submit clearance from NBWL.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

3. In view of observation made by DD Mines vide his letter Roc.No.502/2017/Mines dated 24.10.2017, SEIAA may examine whether there is any EC violation and initiate appropriate action, if necessary.

Subsequently, it was placed in 550th Authority meeting held on 07.09. 2022. The Authority noted that this proposal was placed for appraisal in 305th meeting of SEAC held on 23.8.2022 and the SEAC decided to call for the following details from the project proponent.

1. The PP shall furnish the certified compliance report on the Existing EC issued by SEIAA & DEIAA.
2. As the validity of NoC submitted by the PP is valid for a period of five years from 07.09.2018, the PP shall submit clearance from NBWL.
3. In view of observation made by DD Mines vide his letter Roc.No.502/2017/Mines dated 24.10.2017, SEIAA may examine whether there is any EC violation and initiate appropriate action, if necessary.

The authority noted that,


In additional details (point no.3), it was stated as "In view of observation made by DD Mines vide his letter, Roc.No.502/2017/Mines dated 24.10.2017, SEIAA may examine whether there is any EC violation and initiate appropriate action, if necessary".

In OM dated 9th September, 2019 it was stated that,

"...It is possible that there may be certain category B proposals which were submitted at SEIAA during or prior to the violation window period but not under violation category and later during the appraisal by state level appraisal committee (SEAC) identified as violation proposals"

Moreover, as per EIA notification 2006,

"...The Expert Appraisal Committees (EACs) at the central Government, SEACs at the State or Union Territory level and DEAC at the district level shall screen, scope and appraise projects or activity."


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

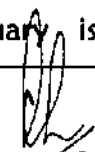
In view of the above, the Authority after detailed discussion decided to refer back the proposal to SEAC for re-appraisal. Hence SEAC may examine whether the project comes under violation category and shall appraise accordingly.

The proposal was again placed in 345th SEAC meeting held on 10.01.2023. The Committee noted that the PP has not turned up during the meeting, hence SEAC decided to defer the proposal and called for explanation for not attending the meeting.

Now the proposal was placed in 396th Meeting of SEAC held on 28.07.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC.

| Sl. No | SEAC Query | Reply |
|--------|--|--|
| 1. | The PP shall furnish the certified compliance report on the Existing EC issued by SEIAA & DEIAA. | The certified compliance report obtained from Ministry of Environment; Forest & Climate Change Integrated Regional Office (South Eastern Zone) vide ref No. E.P./12.1/2022-23/SEIAA/260/TN/220 dated: 20.02.2023 |
| 2. | As the validity of NoC submitted by the PP is valid for a period of five years from 07.09.2018, the PP shall submit clearance from NBWL. | Thiru G.Perumal has obtained NBWL clearance vide Proc. No. 3221/ 2017/L dated: 07.09.2018. Since the proposed mine lease area is situated 8.5 km away from The Cauvery Wildlife Sanctuary. As per MOEF & CC Notification S.O.07(E) dated: 01.01.2020, the Eco sensitive Zone is declared as uniformly 1.0 km all along the similarly boundaries except the Karnataka border. In this connection Cauvery wildlife sanctuary is at a |


MEMBER SECRETARY
SEAC -TN



CHAIRMAN
SEAC- TN

| | | |
|----|---|--|
| | | <p>distance of 8.5 km away from the quarry. Hence the sanctuary is declared in the 2020 the requirement of NBWL doesn't arise and we are away form 8.5 KM away from Cauvery wildlife Sanctuary.</p> |
| 3. | <p>In view of observation made by DD Mines vide his letter Roc.No.502/2017/Mines dated 24.10.2017, SEIAA may examine whether there is any EC violation and initiate appropriate action, if necessary.</p> | <ul style="list-style-type: none"> • The letter from Deputy Director dated:24.10.2017 states that, as per approved mining plan a quantity of 158043cbm has been mentioned for which EC was issued for a quantity of 158043 cbm vide Lr.No.SEIAATN/F.No.5265/1(a)/EC. No:3279/2016 dated: 11.07.2016. • As per the approved mining plan, the approved quantity of Rough Stone that has to be quarried during the first five years of the lease period is 1,58,043 Cbm and the Annual production is 31,650 Cbm. But the lessee has quarried 54,000 Cbm of Rough Stone during the period from 23.12.2016 to 31.03.2017 and 42,000 cbm during the period from 01.04.2017 to 26.07.2017. • The draft modified mining plan submitted by Thiru.G.Perumal had been scrutinized as per the guide lines/ instructions issued by the Commissioner of Geology and Mining Chennai - 32 in Roc .no. |

| | | |
|--|--|---|
| | | <p>19468/ LC/ 2012 dated:19.12.2012 and as per the rules.</p> <ul style="list-style-type: none"> • Modified mining plan for the quantity of 684817 cbm of Rough stone was approved by Deputy Director and also obtained environmental clearance from DELAA vide Lr.No.24/DEIAA-KGI/EC No.20/2018 dated: 27.02.2018 for the above said quantity. • In total 842860 cbm of rough stone has been approved for which the project proponent has obtained transport permits for 254400 cbm of rough stone in the first five year period. • From the above we request SEAC that we have done below the total approved quantity and hence consider our proposal for issuance of Environmental clearance. |
|--|--|---|

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

1. The proponent is requested to carry out a survey and enumerate on the structures located within 50m, 100m, 150m, 200m, 250m, 300m and 500m from the boundary of the mine lease area.
2. The PP shall furnish conservative measures in the EIA report, since Cauvery North Wildlife Sanctuary & SMTR boundary is located at a distance of 8.5km.


 MEMBER SECRETARY
 SEAC -TN


 CHAIRMAN
 SEAC- TN

3. The PP shall furnish a clarification over the DD Mines, letter Roc.No.502/2017/Mines dated 24.10.2017 in EIA report on the quantities of minerals mined and depth reached.

Agenda No: 396 - 21

(File No: 7693/2020)

Proposed Ordinary earth quarry lease over an extent of 3.15.0 Ha in S.F.No. 93(Part), WRD Tank, Irulancheri Village, Tiruvallur Taluk, Tiruvallur District, Tamil Nadu by Thiru. A. S. Chandrasekaran - For Environmental Clearance.

(SIA/TN/MIN/165238/2020 dated: 28/07/2020)

The proposal was placed in this 396th SEAC meeting held on 28.07.2023. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. A. S. Chandrasekaran has applied for Environmental Clearance for the proposed Savudu quarry lease over an extent of 3.15.0 Ha at S.F.No. 93(Part), PWD Tank, Irulancheri Village, Tiruvallur Taluk, Tiruvallur 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. Earlier, the proposal was placed for appraisal in the 370th SEAC meeting held on 25.04.2023. The Committee examined the proposal submitted by the proponent in the light of the Judgment issued by the Hon'ble Madurai Bench of Madras High Court in W.P.(MD) Nos.20903 of 2016, 23452, 24495, 17370 and 18035 of 2019 dated 12.02.2021. In this Judgment, the Hon'ble High Court was examining the legality of mining permits or license given by the Government for removal of minor minerals in the name of "Savudu" and other Colloquial terminologies and issued the following directions.

i. There shall not be any grant of quarry lease without ascertaining the composition/component of the minerals and without obtaining the report from authorized lab. The Dept of Geology and Mining shall establish a lab on its own or shall authorize any lab in this regard.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

- ii. *There shall not be any quarry operation in the name of colloquial terms/local terms and any lease shall be in accordance with minerals notified under section 3 (e) of the MMDR Act.*
- iii. *A high-level committee has to be constituted, consisting of Geologists and Experts in the said field and eminent Officers from WRO, PWD to conduct a detailed study/survey on the possibility or the availability of the river sand on the adjacent patta lands to the rivers and those places, where sand is available, have to be notified and declared as protected zones and there cannot be any quarry operation other than by the Government, in those notified areas.*
- iv. *The department of Geology and Mining, shall furnish the details of all the Savudu quarries granted so far, in the state of Tamil Nadu, to this court, within a period of eight weeks from the date of receipt of a copy of this order.*
- v. *The details of all the savudu quarries shall also be furnished to the High-Level Committee and High-Level Committee shall inspect those quarries to ascertain the availability of sand in those quarries. In the event of High-Level Committee ascertaining the availability of sand in these quarries, the same shall be reported to the Commissioner of Geology and Mining, marking a copy to this court and the Commissioner shall take necessary action as against the officials, who have granted quarry permits without ascertaining the composition of minerals.*
- vi. *Any quarry operations shall be permitted only by way of lease agreement, as per Article 299(1) of constitution of India.*
- vii. *The Government shall either adopt the Mineral Conservation Rules, 2017, framed by the Central Government or frame a separate Rule, as directed by the Hon'ble Supreme court in Deepak Kumar's case, within a period of six months from the date of receipt of a copy of this order.*
- viii. *Whenever, SEIAA clearance is required, it shall be done only physical inspection by deputing an officer attached to SEIAA and depending upon the report further proceedings may take place in accordance with law and*

there must be a mechanism to ensure the conditions of SEIAA are strictly complied with.

Acting on the above Judgment, the Director of Geology and mining, Govt. of Tamil Nadu, in his letter No. 7240/MM6/2019 Dt. 30.7.2021, has inter alia, issued the following directions:

- No quarry lease shall be granted in areas where the test results indicate the presence of sand in the composition.
- No quarry lease shall be granted in the patta lands adjoining to the rivers, streams, canals etc.,
- No permission shall be granted for quarrying Gravel, Earth, etc., in patta land for a period less than one year.
- Lease deed shall be executed in the Form set out in Appendix IV or Appendix V to the Tamil Nadu Minor Mineral Concession Rules 1959.

In the present case, the Committee, therefore directed the proponent to submit the following additional details for further processing the proposal.

- a) The PP shall amend the Mining Plan and other legal documents accordingly by the competent authority for removal of the terms "savudu," and furnish the revised Mining Plan with replacing it by the term "ordinary earth" as per the Rule 12 of the Tamil Nadu Minor Mineral Concession Rules 1959.
 - b) 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 as directed in the above Judgment.
 - c) 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.
4. The proponent vide letter dated.11.07.2023, furnished a reply to the above queries raised by SEAC.
 5. In view of the above, the proposal is again placed in this 396th SEAC meeting.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

During, the meeting, the Committee observed the replies furnished by the proponent for the queries raised by SEAC.

| S.No. | SEAC QUERY | REPLY FURNISHED BY PP |
|-------|---|---|
| 1 | The PP shall amend the Mining Plan and other legal documents accordingly by the competent authority for removal of the terms "savudu." and furnish the revised Mining Plan with replacing it by the term "ordinary earth" as per the Rule 12 of the Tamil Nadu Minor Mineral Concession Rules 1959. | Instead of the term 'Savudu', the mineral name has amended as 'Ordinary earth'. The letter in this regard has been obtained from the Department of Geology and Mining, Tiruvallur vide Rc.No.221/2018/G&M-2, dated.13.06.2023. |
| 2 | 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 as directed in the above Judgment. | The soil test report has been obtained from the Division of Soil Mechanics and Foundation Engineering, Department of Civil Engineering, Guindy Campus, Chennai vide Lr.No.SM&FE 204IE/Soil Test/ Irulancheri Village/2023, dated.20.06.2023 |
| 3 | 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. | Letter in this regard has been obtained from the Department of Geology and Mining, Tiruvallur vide Rc.No.221/2018/G&M-2, dated.19.04.2023. As per the letter, there is no rivers, streams, canals, etc., located within 50m radius from the proposed quarry site and the proposed area does not come under any notified/ declared protected zones. |

6. The Committee noted that the proposal is for de-silting of earth in the PWD Tank of Irulancheri Village.

As per MoEF&CC notification S.O.1224 (E) dated.28.03.2020 & Clarification O.M.dated.12.07.2023.


MEMBER SECRETARY
SEAC -TN

103


CHAIRMAN
SEAC- TN

“Dredging and de-silting of dams, reservoirs, weirs, barrages, river and canals for the purpose of their maintenance, upkeep and disaster management” are exempted from obtaining prior Environmental Clearance.

However, as the proponent has submitted an application seeking Environmental Clearance and requested to process the same on merits, the Committee decided to appraise the proposal.

7. The other salient features of the proposal are as follows:

| File No | 7693 / 2020 | Category | B2 |
|---------|---|----------|---|
| Sl. No | Salient Features of the Proposal | | |
| 1 | Name of the Owner/Firm | : | Thiru. A.S. Chandrasekaran, S/o. Seetharaman, No.22, 1 st Street, Teacher's Colony, Ambattur, Chennai – 600 053. |
| 2 | Type of quarrying (Ordinary Stone/Sand/Granite/Limestone) | : | Ordinary Earth |
| 3 | S.F Nos. of the quarry site with area break-up | : | 93(Part) |
| 4 | Village in which situated | : | Irulancheri |
| 5 | Taluk in which situated | : | Tiruvallur |
| 6 | District in which situated | : | Tiruvallur |
| 7 | Extent of quarry (in ha.) | : | 3.15.0 Ha |
| 8 | Latitude & Longitude of all corners of the quarry site | : | 13°01'14"N to 13°01'22"N 78°48'48"E to 78°48'56"E |
| 9 | Topo Sheet No. | : | 57-O/16 |
| 10 | Type of mining | : | Opencast Semi Mechanized Mining without drilling and blasting |
| 11 | Life of Project | : | 55 days |
| | Lease Period | : | 55 days |
| | Mining Plan Period | : | 55 days |
| 12 | Mining Plan Details | : | As per approved Mining Plan |
| | Geological Resources (RoM) m ³ | : | As modified by SEAC Ordinary Earth 28,350 m ³ - |

| | | | | |
|----|--|---|--|---|
| | Minable Resources m ³ (RoM) | : | Ordinary Earth 28,350 m ³ | Ordinary Earth - |
| | Annual Peak Production in m ³ | : | Ordinary Earth 28,350 m ³ | Ordinary Earth - |
| | Maximum Depth in meters | : | 0.90m | |
| 13 | Depth of water table | : | 30m BGL | |
| 14 | Man Power requirement per day: | : | 12 Nos. | |
| 15 | Water requirement: 1. Drinking water 2. Utilized water 3. Dust suppression 4. Green belt | : | 1.0 KLD 0.3 KLD - 0.4 KLD 0.3 KLD | |
| 16 | Power requirement | : | 4720 Liters of HSD | |
| 17 | Precise area communication approved by District Collector | : | Na.Ka.No.221/2018/Kanimam.2. Dated:24.08.2019 | |
| 18 | Mining Plan approved by Assistant Director, Department of G&M | : | Rc.No.221/2018/G&M-2. | Dated: 16.10.2019 |
| 19 | Department of G&M, Assistant Director 500m Cluster Letter | : | Rc.No.221/2018/G&M-2. | Dated: 16.10.2019 |
| 20 | VAO Certificate Regarding Structures within 300m Radius | : | Letter furnished | |
| 21 | Project Cost (excluding EMP cost) | : | Rs. 5,22,000/- | |
| 22 | EC Recommendation | : | Validity | 30 years subject to the following upper limits. Ordinary Earth |
| | | : | Max Total RoM in m ³ | 28,350 m ³ |
| | | : | Annual Max RoM in m ³ | 28,350 m ³ |
| | | : | Max Depth in mtrs | 0.90m |
| 23 | EMP cost (in Rs. Lakh). | : | Capital & Recurring Cost - Rs. 2.35 lakhs | |
| 24 | CER cost (in Rs. Lakh). | : | Rs. 1,00,000/- | |

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance for the quantity of 28,350m³ of ordinary earth by restricting the ultimate depth of mining upto 0.90m below ground level and 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, vide MoEF&CC Notification S.O. 1807(E) dated 12.04.2022.
- 2) As accepted by the Project Proponent the CER cost of Rs. 1 Lakh and the amount shall be spent for the activities as committed towards the Government Primary School, Puthiya Irulancheri Village before obtaining CTO from TNPCB.


Agenda No. 396 – 22.

File No. 7827/2023.

Proposed Wind Earth Quarry over an Extent of 4.03.5ha of Patta Lands in S.F.Nos.193/3B, 193/4, 193/5, 193/6, 194/1 and 194/2 of Rasingapuram Village, Bodinaickkanur Taluk, Theni District, Tamil Nadu by Thiru.P.Gunasekarapandiyan- For Environmental clearance. (SIA/TN/MIN/42649/2019, Dt: 13.09.2019).

Earlier, the proposal was earlier placed in the 342nd Meeting of SEAC held on 30.12.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in). The SEAC noted the following:

1. The Project Proponent, Thiru.P.Gunasekarapandiyan has applied for Environmental Clearance for the proposed Wind Earth Quarry over an Extent of 4.03.5 ha of Patta Lands in S.F.Nos. 193/3B, 193/4, 193/5, 193/6, 194/1 and 194/2of Rasingapuram Village, Bodinaickkanur Taluk, Theni District, Tamil Nadu.
2. The proposed quarry/activity would fall under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

3. As per precise area communication for the lease period is 3 years. The mining plan is for the period of 3 years & the production should not exceed 80592 m³ of Wind Earth. The ultimate depth – 2m AGL.

Based on the presentation and documents furnished by the project proponent, SEAC decided to recommend the proposal for the grant of Environmental Clearance *for the period of 3 Years* for the production quantity of 80592 m³ of Wind Earth & the ultimate depth of mining upto 2m AGL subject to the standard conditions & normal conditions stipulated by MOEF &CC, in addition to the following specific conditions stated therein.

Subsequently, the proposal was placed in the 587th Authority meeting held on 30.01.2023 & 31.01.2023. The authority noted that this proposal was placed for appraisal in this 342nd meeting of SEAC held on 30.12.2022 and the SEAC decided recommend the proposal for the grant of Environmental Clearance *for the period of 3 Years* for the production quantity of 80592 m³ of Wind Earth & the ultimate depth of mining upto 2m AGL subject to the condition that

“The proponent shall request the concerned AD (Geology & Mining) to make suitable

amendments in the name of minor mineral as Ordinary Earth instead of Wind Earth as per G.O. MS.No.244 Dt:14.12.2022 during execution of mining lease.”

The Authority after detailed discussion decided to refer back the proposal after the receipt of following additional particulars from the project proponent as follows

- i) The project proponent shall submit letter obtained from AD, Dept. of Geology & Mining in regard to G.O. (Ms). No.244 Dt:14.12.2022 along with revised mining plan.

The proposal was again placed for appraisal in 357th meeting of SEAC held on 23.02.2023. Based on the request made by the PP vide lr. Dt: 22.02.2023, SEAC decided to defer the proposal and to take up the subject after the receipt of additional particulars sought vide 587th Authority meeting.

Subsequently, the proposal was again placed for appraisal in 603rd meeting of SEAC held on 20.03.2023 & 21.03.2023. The Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on


MEMBER SECRETARY
SEAC -TN

107


CHAIRMAN
SEAC- TN

23.02.2023.

The project proponent has furnished reply on 01.06.2023. The proposal was again placed for appraisal in 396th meeting of SEAC held on 28.07.2023.

Based on the presentation & documents furnished, the Committee carefully examined the points raised by SEAC and the replies given by the PP. SEAC after detailed discussion decided to re-confirm the recommendation already made in 342nd Meeting of SEAC held on 30.12.2022.

Agenda No. 396– 23.

File No. 8184/2022.

Proposed Rough stone & Gravel quarry lease over an extent of 1.21.5ha at S.F.No.58/1 in Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu by Thiru.P. Venkatachalam for Environmental Clearance. (SIA/TN/MIN/58080/2020, Dt: 22.09.2022)

Earlier, the proposal was placed in 329th SEAC meeting held on 16.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The proposed quarry/activity is covered under Category “B1” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
2. The ToR was issued Lr. No. SEIAA-TN/F.No.8184/SEAC/ToR-932/2020 Dated:16.04.2021 to Thiru.P.Venkatachalam for the proposed Rough stone & Gravel quarry lease over an extent of 1.21.5ha at S.F.No.58/1 in Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
3. Minutes of public hearing conducted on 19.04.2022.
4. Final EIA report submitted on 19.09.2022.
5. Now, the Project Proponent, Thiru.P.Venkatachalam has applied for Environmental Clearance with EIA report along with minutes of public hearing for the proposed Rough stone & Gravel quarry lease over an extent of 1.21.5ha at S.F.No.58/1 in Velampalayam Village, Palladam Taluk, Tiruppur District, Tamil Nadu.
6. The precise area communication/lease is issued for the period of 5 years. The approved mining plan is for the period of five years & production should not


MEMBER SECRETARY
SEAC -TN

108


CHAIRMAN
SEAC- TN

exceed 1,04,520 m³ of Rough Stone, & 2508 m³ of Gravel. The annual peak production is 22,850 m³ of rough stone (3rd Year), & 2580 m³ of Gravel (1st Year).
The ultimate depth is 42m BGL.

Based on the presentation and details furnished by the project proponent, the Committee decided to direct the PP to submit a detailed study on the structures located around the proposed site. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc..

Subsequently, the subject was placed in 575th Authority meeting held on 06.12.2022. The Authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 17.11.2022

The proposal was again placed for appraisal in 366th meeting of SEAC held on 30.03.2023. SEAC decided to direct the PP to submit the details of the structures (belonging to the owner/not belonging to the owner) located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, farm houses etc, along with details of no. of persons residing in each structure/building & no of persons working in the factory. Further, the PP shall furnish numbers & types of trees within the proposed site along with photographs. On receipt of the additional details, SEAC will further examine the proposal.

Subsequently, the proposal was placed 613rd SEIAA meeting held on 21.04.2023. The authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 30.03.2023.

The project Proponent furnished reply on 12.06.2023. The proposal was again placed for appraisal in 396th meeting of SEAC held on 28.07.2023. Based on the presentation & documents furnished by the PP and the Committee carefully examined the points raised and the replies given by the PP along with observing the KML of the proposed quarry. It was noted that there was a habitation consisting approximately of 50 nos. of houses within 200m radius located adjacent to the Chinnakapalayam road but it was misleadingly portrayed as a single house /shed.

Under the circumstances, SEAC, after detailed discussions, decided not to recommend


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

the proposal for grant of EC considering the location of a habitation within the 200m radius from the lease boundary of the quarry.

Further, the PP shall furnish an explanation for hiding the facts regarding the habitations around the proposed quarry site.

Agenda No. 396 – 24.

File No. 9199/2023.

Proposed Rough stone & Gravel quarry lease over an extent of 0.78.0 Ha in S.F. No127/2, 127/3 Themmavur Village, Kulathur Taluk, Pudukkottai District, Tamil Nadu by Tmt.A.Mahalakshmi - For Environmental Clearance. (SIA/TN/MIN/268185/2022 Dt. 18.04.2022)

Earlier, the proposal was placed for appraisal in this 293rd meeting of SEAC held on 08.07.2022. 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.A.Mahalakshmi has applied for Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 0.78.0 Ha in S.F.No127/2, 127/3 Themmavur Village, Kulathur Taluk, Pudukkottai 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 38972 m³ of Rough stone. The annual peak production shall not exceed 8330m³ of Rough stone (2nd year) with ultimate depth of 38m.

| Sl. No | Details of the Proposal | : | Data Furnished |
|--------|---|---|--|
| 1 | Name of the Owner/Firm | : | Tmt. A.Mahalakshmi W/o Andiyappan No.301, Kallar Street, Koppampatti Themmavur Post, Kulathur Taluk Pudukkottai- 622 203. |
| 2 | Type of quarrying (Savudu/Rough Stone/Sand/Granite) | : | Rough Stone & Gravel |

| | | | |
|----|---|---|--|
| 3 | S.F No. Of the quarry site with area break-up | : | 127/2, 127/3 |
| 4 | Village in which situated | : | Themmavur |
| 5 | Taluk in which situated | : | Kulathur |
| 6 | District in which situated | : | Pudukkottai |
| 7 | Extent of quarry (in ha.) | : | 0.78.0Ha |
| 8 | Latitude & Longitude of all corners of the quarry site | : | 10°37'03.89"N to 10°37'07.72"N 78°55'01.43"E to 78°55'05.85"E |
| 9 | Topo Sheet No. | : | 58- J/14 |
| 10 | Type of mining | | Opencast Semi-Mechanized of Mining |
| 11 | Period of quarrying proposed | : | 5 years |
| 12 | Production (Quantity in m ³) | : | 38972 m ³ of Rough Stone |
| 13 | Depth of quarrying | : | 38.0m |
| 14 | Depth of water table | : | 75 m BGL |
| 15 | Man Power requirement per day: | | 22 Nos. |
| 16 | Source of Water Requirement | | water vendors |
| 17 | Water requirement: 1. Drinking & domestic purposes (in KLD) 2. Dust suppression, Green Belt & Wet Drilling (in KLD) | : | 2.0 KLD 1.0KLD 0.5KLD 0.5KLD |
| 18 | Power requirement a. Domestic Purpose b. Industrial Purpose | | TNEB 31,168litres of HSD |
| 19 | Whether any habitation within 300m distance | : | No |
| 20 | Precise area communication approved by the, Assistant Director, Department of Geology and Mining with date | : | Rc.No.672/2021(G&M), dated:15.3.2022 |
| 21 | Mining Plan approved by Assistant Director, Department of Geology and Mining with date | : | Rc.No.672/2021(G&M), dated:28.03.2022 |
| 22 | Assistant Director, Department of Geology and Mining 500m cluster letter | | Rc.No.672/2021(G&M), dated:28.03.2022 |

| | | | |
|----|---|---|-----------------------|
| 23 | VAO certificate regarding 300m radius cluster | | Letter dt: 04.04.2022 |
| 24 | Project Cost (excluding EMP cost) | : | Rs.36.74 Lakh |
| 25 | EMP cost | : | Rs. 15.30 Lakhs |
| 26 | CER cost | | Rs.0.73 Lakhs |

Based on the presentation made by the proponent, the SEAC called for the following details from the PP.

1. The PP shall furnish the certified compliance report obtained from MoEF&CC/TNPCB on the existing EC issued.


Subsequently, the proposal was placed in the 538th Authority meeting held on 25.07.2022. The Authority decided to communicate the SEAC minutes to the project proponent held on 08.07.2022.

The proponent has furnished reply vide Ir. Dt: 07.11.2022. In view of the above, the proposal was again placed in the 356th SEAC meeting Dt: 17.02.2023. Based on the presentation and documents furnished by the project proponent, SEAC noted that earlier EC was issued vide Lr. SEIAA-TN/F.No.1443/EC/1(a)/1266/2013 Dt:13.05.2014 for the proposed Rough Stone quarry over an extent of 0.78.0 Ha with production of 30,900 Cu.m of Rough Stone & Depth upto 14m based on the previous Approved Mining Plan. However, it was noticed that the existence of pit dimension (80m (Length) X 42m (Width) X 16m (Depth)) in the proposed quarry as per the Mining Plan approved for the second spell of the quarrying in the same survey numbers.

In view of the above, SEAC has decided that the PP shall obtain clarification from AD/DD Geology & Mining Dept., Pudukkottai District on the excavation of 2 m beyond the stipulated depth of 14 m as per the previous EC and approved Mining Plan and penalty levied if any.

Subsequently, the proposal was placed in the 602nd Authority meeting held on 14.03.2023. The authority decided to request the Member Secretary, SEIAA to communicate the SEAC minutes to the project proponent held on 17.02.2023.

The project Proponent has furnished reply on 11.07.2023. The proposal was again placed 396th SEAC meeting held on 28.07.2023. During presentation SEAC noted


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

that the Assistant Director, Geology and Mining, Pudukottai vide Ir. No. Rc.No. 672/2021 (G&M) Dt:12.06.2023 has furnish his reamarks as follows

"The subject land was previously held under lease in favour of Tmt.A.Mahalakshmi, W/o.Andiyappan for a period of five years from 13.06.2014 to 12.06.2019 vide District Collector's proceedings Rc.No.867/2011 (G&M) dt.09.06.2014.

Further, the project proponent Tmt.A.Mahalakshmi, W/o.Andiyappan have removed 1694 cbm of rough stone over an extent of 0.08.47 hecsts., to the depth of 2m beyond the approved depth of Environment clearance issued previously. In this connection, an amount of Rs.99,946/- (Rupees Ninety-Nine Thousand Nine Hundred and Forty-Six Only) was collected and the copy of remitted challan is enclosed herewith."

Therefore, in view of the above & based on the presentation and documents furnished by the project proponent, SEAC noted that this project falls under violation project and decided to grant of Terms of Reference (TOR) under Violation category, subject to the following TORs, in addition to the standard terms of reference for EIA study for non-coal mining projects and ToR given in Annexure-I, the EIA/EMP report along with assessment of ecological damage, remediation plan and natural and community resource augmentation plan and it shall be prepared as an independent chapter by the accredited consultants. The grant of Terms of Reference (TOR) under Violation category does not entail EC which is subject to the outcome of the final orders of the Hon'ble High Court of Madras in the matter of W.P.(MD) No. 11757 of 2021.

1. The PP shall furnish an Independent Chapter 13 as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017 for the project in case of assessment of Ecological damage, remediation plan and natural & community resource augmentation plan to be prepared as an independent chapter in the Environment Impact assessment report by the Accredited consultant and also with collection and analysis of data for assessment of ecological damage, preparation of remediation plan and natural & community resource augmentation plan to be done by an environmental laboratory duly notified under the Environment (Protection) Act, 1996, accredited by NABET or a Laboratory of council of Scientific and industrial research institutions working in the field of environment..



MEMBER SECRETARY
SEAC -TN

113


CHAIRMAN
SEAC- TN

2. As a part of procedural formalities as per the MoEF & CC Violation Notification – S.O. 804 (E), dated. 14.03.2017, the action will be initiated by the competent authority under section 15 read with section 19 of the Environment (Protection) Act, 1986 against violation.
3. Copy of valid mining lease approval obtained from the competent Authority.
4. Letter stating that the quarry lease deed has not been cancelled or terminated and is subsisting as on date.
5. Copy of approved review of scheme of mining / mining plan by the competent authority of the Dept of Geology and Mining.
6. Copy of 'No Objection Certificate' for the total penalty levied by the concerned AD/DD, Dept of Geology and Mining, and copy of remittance of total penalty by PP.
7. Details of habitations and fireworks around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
8. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.
9. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
10. 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.
11. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.


12. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
13. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
14. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - i. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - ii. Quantity of minerals mined out.
 - iii. Highest production achieved in any one year
 - iv. Detail of approved depth of mining.
 - v. Actual depth of the mining achieved earlier.
 - vi. Name of the person already mined in that leases area.
 - vii. If EC and CTO already obtained, the copy of the same shall be submitted.
 - viii. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
17. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

the adjacent quarries & water bodies nearby provided as per the approved mining plan.

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


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

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

33. The Public hearing advertisement shall be published in one major National daily and one most circulated Tamil daily.
34. The PP shall produce/display the EIA report, Executive summary and other related information with respect to public hearing in Tamil Language also.
35. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
36. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the
37. 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.
38. 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
39. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
40. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
41. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be

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

Agenda No:396-25

File No: 518/2021

Construction of Medical Hospital building without prior Environmental clearance by M/s. Velammal Medical College & Hospital & Research Institute at S.F.Nos. 62/6, 62/7.


MEMBER SECRETARY
SEAC -TN

119


CHAIRMAN
SEAC- TN

63/9A, 63/9B, 63/9C, 64/2, 64/7B,70/2A, 70/2B, 71/1, 71/3, 71/4A,72/2, 72/3A, 72/38, 72/4A, 72/4B, 72/4C,72/4D, 72/5, 72/6, 72/7, 72/8, 72/9A, 72/9B1,72/9B2, 72/10, 72/11A,72/11B, 72/12, 72/13, 73/4A(P), 73/4B, 73/13, 80/5 of Anuppanadi Village, Madurai South Taluk, Madurai District, Tamil Nadu - For Environmental Clearance under Violation. (SIA/MIS/201965/2021 dated: 05.03.2021)

The proposal was placed in this 382nd meeting of SEAC held on 09.06.2023. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

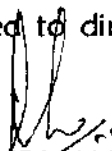
The SEAC noted the following:

1. The project proponent, M/s. Velammal Medical College & Hospital & Research Institute has applied for Environmental Clearance for the Existing Construction of Medical Hospital building at S.F.Nos. 62/6, 62/7, 63/9A, 63/9B, 63/9C, 64/2, 64/7B,70/2A, 70/2B, 71/1, 71/3, 71/4A,72/2, 72/3A, 72/38, 72/4A, 72/4B, 72/4C,72/4D, 72/5, 72/6, 72/7, 72/8, 72/9A, 72/9B1,72/9B2, 72/10, 72/11A,72/11B, 72/12, 72/13, 73/4A(P), 73/4B, 73/13, 80/5 of Anuppanadi Village, Madurai South Taluk, Madurai District, Tamil Nadu.
2. The project activity is covered under Category,'B2" of Item 8(a) "Building and construction project' of the Schedule to the EIA Notification, 2006, as amended.
3. The existing EC built up area is 143163.015 Sq.m, now applied built up area is 101124.64 Sq.m and total plot area is 50296.00 Sq.m. Total project cost is 46103Lakhs.
4. Terms of Reference under violation was issued by SEIAA-TN vide Lr.No.SEIAA-TN/F.No.5I 8/Violation/T oR-822 /2020, Dated:23.11.2020.

The Committee further noted that, the then SEAC vide minutes of 218th meeting of SEAC held on 09.07.2021 has furnished its recommendation for the grant of Environmental Clearance under violation category subject to the conditions stated therein. And the Authority during its 452nd meeting held on 09.08.2021 called for the following particulars from the PP as recommended by SEAC.

1. Accordingly, the amount prescribed for Ecological remediation (Rs.25.5lakhs), natural resource augmentation (Rs.15lakhs) & community resource augmentation (Rs.20lakhs), totalling Rs.60.50 Lakhs. Hence the SEAC decided to direct the


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

project proponent to remit the amount of Rs.60.50 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.

2. The amount committed by the Project proponent for CER (Rs.50 Lakhs) shall be remitted in the form of DD to the beneficiary for the activities committed by the proponent. A copy of receipt from the beneficiary shall be submitted to SEIAA-TN
3. As per the MoEF & CC Office Memorandum F.No.22-65/2017-IA.III dated:30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities of proposed CER for entire project other than the CER amount of Rs.50Lakhs to be remitted before the issue of Environmental clearance.
4. The project proponent shall submit the proof for the action taken by the state Government/TNPCB against project proponent under the provisions of Section 19 of the Environment (Protection) Act, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.

On receipt of the additional particulars from the PP, the subject was placed in the 607th meeting of the Authority held on 03.04.2023. The Authority noted that a case against the project has been filed before the Hon'ble NGT(SZ) vide O.A No. 08/2021 against the Proponent and is still pending. Hence the Authority decided to refer back the proposal to SEAC to furnish remarks on the same.

In view of the above the subject was taken up for discussion in this 382nd meeting of SEAC held on 09.06.2023. Based on the presentation and documents furnished, the SEAC directed the Project proponent to obtain and furnish legal opinion on the legal implications in issuing EC under violation category to the project while the legal case filed before the Hon'ble NGT(SZ) vide O.A No. 08/2021 against the Proponent is still pending.

The PP furnished the details sought and hence the subject was taken up for discussion in this 392nd meeting of SEAC held on 28.07.2023. The SEAC noted that,


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

1. The Government Pleader vide letter dated 13.06.2023 has opined that,

Hence, I am of the considered opinion that after taking into account only those pre-requisites that are mandatory for the Environmental Clearance by SEIAA, Tamilnadu to M/s. Velammal Medical College Hospital and Research Institute, Anuppanadi Village, Madurai South Taluk, Madurai, the clearance may be accorded in accordance with law on merits and as per the rules/regulations which are applicable when there is no interim order/direction restraining them. It is however clarified that an undertaking may be obtained from M/s. Velammal Medical College Hospital and Research Institute, Anuppanadi Village, Madurai South Taluk, Madurai to such effect that the clearance may be subject to the final outcome of the Application in O.A.No. 8/2021 before the Hon'ble National Green Tribunal (South Zone) at Chennai but the same may not be delayed for only the reason of pendency of the case before the Tribunal.

2. The Chief Administrative Officer of M/s. Velammal Medical College & Hospital, Anuppanadi Village, Madurai South Taluk, Madurai District, Tamil Nadu was present during the meeting and has furnished the undertaking as stated above.

Hence the Committee decided to reiterate the recommendations for the grant of Environmental Clearance under violation category vide minutes of 218th meeting of SEAC held on 09.07.2021 subject to the conditions stated therein and subject to the outcome of the case filed before the Hon'ble NGT(SZ) vide O.A No. 08/2021.

Agenda No: 396- 26


(File No: 9640/2022)

Proposed Rough stone and Gravel quarry lease over an extent of 2.27.5Ha at SF. Nos. 48/4 (P) & 48/5A (P) of Palur Village, Cheyyur Taluk, Chengalpattu District, Tamil Nadu by M/s. Bommi Marines Private Limited - For Environmental Clearance. (SIA/TN/MIN/410043/2022, Dt: 12.12.2022).

The proposal was placed in 364th SEAC meeting held on 23.03.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Bommi Marines Private Limited has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 2.27.5 Ha in SF. Nos. 48/4 (P) & 48/5A (P) of Palur Village.


MEMBER SECRETARY
SEAC -TN

122


CHAIRMAN
SEAC- TN

Cheythur Taluk, Chengalpattu District, Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation and documents furnished by the project proponent, SEAC decided to call for the following additional details.

1. The PP shall submit a detailed letter obtained from the competent authority indicating the details of the existing pits, as the PP has been imposed a penalty for illegally mining operations.
2. The PP shall submit EC compliance report.

Now the proposal was placed in 396th Meeting of SEAC held on 28.07.2023. The Project proponent has made a presentation along with clarification for the above shortcomings observed by the SEAC. SEAC decided to defer the proposal to examine the documents submitted.

Agenda No: 396 - 27

(File No: 3126/2023)

Proposed Amendment for the Construction of Multistoried residential housing project by M/s. Central Government Employees Welfare Housing Organization at S.F. No. 472, 474/1B, etc of Paruthipattu Village, Poonamallee Taluk, Thiruvallur District, Tamil Nadu - For Amendment for the earlier issued Environmental Clearance. (SIA/TN/MIN/300543/2023, Dated: 24.05.2023)

The proposal was placed in 396th SEAC meeting held on 28.07.2023. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Central Government Employees Welfare Housing Organization has applied for Amendment for the earlier issued Environmental Clearance for the earlier issued EC for the Construction of Multi storied residential housing project by M/s. Central Government Employees Welfare Housing Organization at S.F. No. 472, 474/1B, etc of Paruthipattu Village, Poonamallee Taluk, Thiruvallur District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Constructions Project" of the Schedule to the EIA Notification, 2006.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

3. Environmental Clearance issued vide Letter No. SEIAA/TN/F. 3126/2014/EC-380/8(a)/861/2015 dated: 30.03.2015.
4. Now the PP has applied for amendment in earlier issued EC for two STPs of capacity 150 KLD and 600 KLD instead of one single 750 KLD and change in survey number from 474/1A to 474/2A was submitted vide SIA/TN/MIS/300543/2023 dated: 29.05.2023.

| S. No. | Description | As per EC | Amendment in EC | Remarks |
|--------|--|----------------------------------|--|---|
| 1. | Survey Number | 474/1A | 474/2A | The said survey number 474/1A does not belong to the land of this particular project and is not mentioned in any of the land documents such as patta. |
| 2. | Details of wastewater Treatment Plants | Sewage Treatment Plant – 750 KLD | Sewage Treatment Plant i.STP – I = 150 KLD ii.STP – II = 600 KLD | Double treatment system is proposed instead of Single treatment system. |

5. Earlier the proposal was placed in 395th SEAC meeting held on 27.07.2023. Neither the PP nor the EIA coordinator was present for the meeting. Hence, the committee decided to defer the proposal.

Now the proposal was again placed in 396th SEAC meeting held on 28.07.2023. During the meeting, EIA coordinator stated that

“we applied for amendment in EC for change in survey number as 474/1A instead of 474/2A. We wish to add that the survey numbers mentioned in the EC has been unknowingly mentioned from our end as 474/1A instead of 474/2A. The said survey number 474/1A does not belong to the land of this particular project and is not mentioned in any of the land documents such as patta.”


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Based on the presentation & documents furnished by the PP, SEAC decided to recommend for the grant of the following amendment in the Environmental Clearance, issued subject to following specific conditions.

| Description | AS PER EC | Amendment recommended |
|--|-------------------------------------|--|
| Survey Number | 474/1A | 474/2A |
| Details of wastewater Treatment Plants | Sewage Treatment Plant – 750 KLD | Sewage Treatment Plant i. STP – I = 150 KLD ii. STP – II = 600 KLD |

1. The PP shall operate & maintain the proposed two STPs for the period of 10 years.
2. All other conditions as stipulated vide vide EC Letter No. SEIAA/TN/F. 3126/2014/EC-380/8(a)/861/2015 dated: 30.03.2015 remains unaltered.

Agenda No: 396 - 28


(File No: 7692/2020)

Construction of 464 TNGRHS flats at T.S.Nos. 3(Part), 6 of Ward No.AD, Block No.13, Old Circuit house colony of Sengulam Village, Trichy East Taluk, Trichy District, Tamil Nadu by M/s. Tamil Nadu Housing Board – For Amendment in Environmental Clearance. (SIA/TN/MIS/301148/2023, dated:12.06.2023)

The proposal was placed in the 396th SEAC Meeting held on 28.07.2023. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

The SEAC noted the following:

1. The Proponent, M/s. Tamil Nadu Housing Board has applied for Amendment in Environmental Clearance for the construction of 464 TNGRHS flats with total built up area 36,198.45sq.m at T.S.Nos. 3(Part), 6 of Ward No.AD, Block No.13, Old Circuit house colony of Sengulam Village, Trichy East Taluk, Trichy 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. EC Issued vide Letter No. SEIAA/TN/F.No.7692/EC/8(a)/734/2020 dated 11.12.2020.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

The PP requested for "As per Environmental Clearance, the grey water generation of 194 KLD will be treated in Grey Water Treatment Plant of 200 KLD and the sewage generation of 111 KLD will be treated in Sewage Treatment Plant (STP) of 120 KLD capacity based on MBBR Technology".

Considering the difficulties in maintenance of STP and their damage to environment and post failure of maintaining the STP and also lack of exclusive fund for the development of an STP, TNHB approached TWAD Board for the treatment of sewage generation.

TWAD Board stated that the sewage generated shall be taken to Common Sewage Treatment Plant (4.92 MLD) of TWAD Board through Sengulam Colony UGD Pumping Station through a dedicated UGD pipeline (338 m length & 200 mm dia), at the cost of Rs. 23.76 Lakhs and the same has been paid by THNB.

| S.no | Plant/ Equipment/ Facility | Existing Configuration | Proposed Configuration | Final configuration after Amendment | Remarks if Any |
|------|------------------------------|----------------------------------|---|--|---|
| 1 | Sewage Generation of 111 KLD | Sewage Treatment Plant - 120 KLD | Disposed to Common Sewage Treatment Plant of TWAD Board of 4.92.MLD | Disposed to Common Sewage Treatment Plant (4.92 MLD) of TWAD Board | By Sengulam Colony UGD pumping station through a dedicated UGD pipeline |

Based on the presentation and documents furnished by the project proponent, SEAC decided to accept the amendment request made by PP.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

ANNEXURE-I


SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED WITHIN 1 KM FROM THE RESERVE FORESTS

1. Since the R.F is located very close to the proposed quarry site, the PP shall develop Green Belt (Thick Tree plantation in two to three rows) along the boundary of the mine lease area before obtaining the CTO from the TNPCB.
2. The proponent shall construct and maintain proper fencing all around the boundary of the proposed working quarry adjacent to the direction of the location of the Reserved Forest before the commencement of the operation and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
3. The PP shall take steps so that the overburden, waste rock, rejects and fines generated during the mining operations shall be stored in separate dumps positioned in opposite direction to the location of the reserved forest.
4. The PP shall ensure that such waste/reject dumps shall be properly secured to prevent escape of material there from in harmful quantities which may cause degradation of environment and to prevent causation of floods.
5. The PP shall select the site for dumps on impervious ground to ensure minimum leaching effects due to precipitations.
6. The PP shall take necessary steps that wherever possible, the waste rock, overburden etc. shall be back-filled into the mine excavations with a view to restoring the land to its original use as far as possible.
7. Wherever back-filling of waste rock in the area excavated during mining operations is not feasible, the PP shall take adequate steps in discussion with the concerned DFO to suitably terrace the waste dumps ensuring the stability through vegetation to consolidate the green belt development in the areas adjacent to the reserved forest location.
8. The PP shall carry out the scientific investigations in order to keep the ground and noise vibrations caused by blasting operations and movement of HEMM such as Excavators, Trucks within safe limit.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

9. The PP shall not perform secondary breakage involving the drilling & blasting in the quarrying operations and it can be replaced with non-conventional methods such as noise-controlled rock breakers, usage of non-explosive expansive materials/chemicals, Hydraulic Splitting based on the suitable scientific studies carried out by any reputed scientific and academic institutions.
10. The PP shall take adequate steps to control the air pollution due to fines, dust, smoke or gaseous emissions during the quarrying operations within 'Permissible Limits' specified under the environmental laws.
11. The Quarrying and Mining activities shall be restricted in the Eco-sensitive Zone of 60 m from the boundary of the Reserved area and hence the PP shall not even indulge in constructing the haul roads in these areas.
12. No development on existing steep hill slopes or slopes with a high degree of erosion shall be permitted. Hence, the PP shall not carry out the quarrying on steep hill slopes with a gradient of 20° or more or areas with a high degree of erosion on forestland.
13. The PP shall give an affidavit at the time of lease execution that there will be no felling of trees (or) any encroachment will not be made on these Reserved Forest lands and also within the Eco- sensitive Zone of 60 m without the prior permission of the State Government in case of reserve forest land as per the procedures laid down by the State Government.
14. The PP shall not use plastic carry bags within the quarry area.
15. The PP shall ensure that all the haul roads within the quarry lease shall be provided with adequate number of road side drains and these drains shall be kept free from blockage for runoff disposals. This run off from the road side drainage shall relate to the natural drainage system in the area.
16. The PP shall adhere to the provisions of the MoEF had issued Notification No. S.O. 1545 dated 25th June 2009 regulating certain activities in the eco-sensitive zone to conserve and protect the reserved forest area from ecological and environmental point of view.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

GRAVEL / RED EARTH & PEBBLES QUARRY – GENERAL CONDITIONS

1. The proponent shall mandatorily appoint the statutory competent persons and commence the quarry operations within the purview of Mines Act 1952.
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. No change in basic mining proposal shall 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. 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.
6. 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.
7. 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.

8. 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.
9. 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.
10. **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.
11. The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m 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.
12. The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
13. The proponent shall ensure that the transportation of the quarried granite stones 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 granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

14. 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.
15. The Project Proponent shall comply with the provisions of the Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
16. The project proponent shall ensure that the provisions of the MMDR Act, 1957, 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.
17. 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) by the proponent without fail.
18. 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.
19. 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.
20. 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.
21. That 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.

22. The mining lease holders 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 which is fit for growth of fodder, flora, fauna etc.

23. 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.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

ROUGH STONE/JELLY/BLUE METAL QUARRY

- 1) The PP shall inform send the 'Notice of Opening' of the quarry to the Director of Mines Safety, Chennai Region before obtaining the CTO from the TNPCB.
- 2) 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.
- 3) The proponent shall appoint the statutory competent persons relevant to the proposed quarry size as per the provisions of Mines Act 1952 and Metalliferous Mines Regulations, 1961, as amended from time to time.
- 4) Within a period one month from the execution of lease deed, the PP shall ensure that the persons deployed in the quarry including all the contractual employees/truck drivers shall undergo initial/periodical training in the DGMS approved GVTC situated in Trichy / Salem / Hosur.
- 5) The PP shall construct a garland drain of size, gradient and length around the proposed quarry incorporating garland canal, silt traps, siltation pond and outflow channel connecting to a natural drain should be provided prior to the commencement of mining. Garland drain, silt-traps, siltation ponds and outflow channel should be de-silted periodically and geo-tagged photographs of the process should be included in the HYCR.
- 6) Monitoring of drainage water should be carried out at different seasons by an NABL accredited lab and clear water should only be discharged into the natural stream. Geo-tagged photographs of the drainage and sampling site should be submitted along with HYCR.
- 7) The proponent shall install the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same before obtaining the CTO from TNPCB.
- 8) The Proponent shall submit a conceptual 'Slope Stability Action Plan' incorporating the benches & accessible haul road approved by the concerned

AD (Mines) for the proposed quarry to the DEE/TNPCB at the time of obtaining the CTO.

- 9) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are undergoing the initial/periodical medical examination in the DGMS approved OHS Clinics/Hospitals as per the DGMS Circular No. 01 of 2011 before they are engaged in mining activities.
- 10) The PP shall ensure that the persons employed in the quarry whether permanent, temporary or contractual are provided with adequate PPEs before engaged in mining operations.
- 11) The PP shall meticulously carry out the mitigation measures as spelt out in the approved EMP.
- 12) 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 should be adopted by considering the wind direction.
- 13) The Project Proponent shall ensure that the funds earmarked for environmental protection measures are kept in a separate bank account and should not be diverted for other purposes. Year-wise expenditure should be included in the HYCR.
- 14) The Project Proponent shall send a copy of the EC to the concerned Panchayat/local body.
- 15) Perennial maintenance of haulage road/village / Panchayat Road shall be done by the project proponent as required, in coordination with the concerned Govt. Authority.
- 16) Perennial sprinkling arrangements 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.
- 17) 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 are undertaken accordingly. The report on the periodic monitoring shall be included in the HYCR.

- 18) 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.
- 19) 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. 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.
- 20) 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.
- 21) **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. (ii) Noise levels should be monitored regularly (on weekly basis) near the major sources of noise generation within the core zone.
- 22) The PP shall carry out maximum of only one round of controlled blast per day, restricted to the maximum of 30 to 40 number of holes per round with maintaining maximum charge per delay in such a manner that the blast-induced ground vibration level (Peak Particle Velocity) measured in the houses/structures located at a distance of 500 m shall not exceed 2.0 mm/s and no fly rock shall travel beyond 20 m from the site of blasting.
- 23) The PP shall also ensure that the blasting operations are not carried out on a 'day after day' basis and a minimum 24 hours break should be observed between blasting days to reduce the environmental impacts effectively.

- 24) If 'Deep-hole large diameter drilling and blasting' is required, then the PP shall obtain special permission from DGMS.
- 25) The PP shall ensure that the blasting operations shall be carried out during a prescribed time interval with a prior notice to the habitations situated around the proposed quarry after having posted the sentries/guards adequately to confirm the non-exposure of public within the danger zone of 500 m from the boundary of the quarry. The PP shall use the jack hammer drill machine fitted with the dust extractor for the drilling operations such that the fugitive dust is controlled effectively at the source.
- 26) The PP shall ensure that the blasting operations are carried out by the blaster/Mine Mate/Mine Foreman employed by him in accordance with the provisions of MMR 1961 and it shall not be carried out by the persons other than the above statutory personnel.
- 27) The proponent shall undertake in a phased manner restoration, reclamation and rehabilitation of lands affected by the quarrying operations and shall complete this work before the conclusion of such operations as per the Environmental Management Plan & the approved Mine Closure Plan.
- 28) Ground water quality monitoring should be conducted once in every six months and the report should be submitted to TNPCB.
- 29) The operation of the quarry should not affect the agricultural activities & water bodies near the project site and a 50 m 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.
- 30) The proponent shall provide sedimentation tank / settling tank with adequate capacity for runoff management.
- 31) The proponent shall ensure that the transportation of the quarried granite stones 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 granite stones; and transport of granite stones will be as per IRC Guidelines with respect to complying with traffic congestion and density.

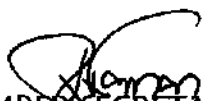
- 32) To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
- 33) The Project Proponent shall comply with the provisions of the Mines Act, 1952, MMR 1961 and Mines Rules 1955 for ensuring safety, health and welfare of the people working in the mines and the surrounding habitants.
- 34) The project proponent shall ensure that the provisions of the MMDR Act, 1957 & 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.
- 35) 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.
- 36) 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.
- 37) 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.
- 38) That 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.

39) As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEFCC, the Project Proponent shall, undertake re-grassing the mining area and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

40) The mining lease holders 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 which is fit for growth of fodder, flora, fauna etc.

41) 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 to the EMP as committed.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


SPECIAL MITIGATION MEASURES FOR THE QUARRIES LOCATED IN CLOSE PROXIMITY TO THE WINDMILLS

| Sl. No | Existing (or) Virgin Quarry | |
|--------|---|---|
| | Wind Mills located at a distance of 150 m to 300 m | Wind Mills located beyond 300 m Up to 500 m |
| 1. | Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961. | Appointment of I/II Class Mines Manager Certificate of Competency under MMR 1961. |
| 2. | Special precautions are to be taken during blasting within danger zone such as posting guards, etc. | Blast design parameters should be mentioned in mining plan/scheme, and may be reviewed by a competent mining engineer. |
| 3. | Blast design parameters should be mentioned in mining plan/scheme. | MCPD and total charge should be fixed such that it should not exceed 1.3 kg and 26.50 kg respectively. |
| 4. | The recommendations of scientific organisation need to be incorporated in the mining plan/scheme before its approval. | Fresh scientific study may be conducted if mine management wants to increase the MCPD and total explosive charge above the quantity of 1.30 kg and 26.50 kg respectively. Continuous monitoring using seismograph should also be done in such cases by the mine management. |
| 5. | Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting. | Engagement of blasting in-charge having Diploma/Degree in mining engineering for day-to-day blasting. |
| 6. | Training of the blasting crew on controlled blasting practices before engaged in operation. | Training of the blasting crew on controlled blasting practices before engaged in operation. |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

| | | |
|-----|--|--|
| 7. | Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, PESO or SPCB. | Submission of monthly report on blast design pattern and detailed explosive consumption as well as volume of rock excavation to a statutory body viz. DGMS, DMG, SPCB. Report of recorded ground vibration need to be added in monthly report. |
| 8. | Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB. | Report of recorded ground vibration need to be added in monthly report which shall be sent to all the statutory body viz. DGMS, DMG, SPCB. |
| 9. | Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge. | Small diameter emulsion cartridge of 25 mm diameter (125 gm weight per cartridge) shall be used. However, ANFO explosives may also be used as main explosive charge. |
| 10. | Electronic (or) Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing. | Non-electric detonators (Nonel) shall be used in all the blasts for in-hole explosive initiation and surface hole-to-hole firing. |
| 11. | Max. number of holes in a round: 30. | Max. number of holes in a round: 40 to 60. |


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

TERMS OF REFERENCE (ToR) FOR GRANITE / ROUGH STONE QUARRY

1. In the case of existing/operating mines, a letter obtained from the concerned AD (Mines) shall be submitted and it shall include the following:
 - (i) Original pit dimension
 - (ii) Quantity achieved Vs EC Approved Quantity
 - (iii) Balance Quantity as per Mineable Reserve calculated.
 - (iv) Mined out Depth as on date Vs EC Permitted depth
 - (v) Details of illegal/illicit mining
 - (vi) Violation in the quarry during the past working.
 - (vii) Quantity of material mined out outside the mine lease area
 - (viii) Condition of Safety zone/benches
 - (ix) Revised/Modified Mining Plan showing the benches of not exceeding 6 m height and ultimate depth of not exceeding 50m.
2. Details of habitations around the proposed mining area and latest VAO certificate regarding the location of habitations within 300m radius from the periphery of the site.
3. The proponent is requested to carry out a survey and enumerate on the structures located within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m (v) 500m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc with indicating the owner of the building, nature of construction, age of the building, number of residents, their profession and income, etc.
4. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on the waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
5. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
6. The DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., up to a radius of 25 km from the proposed site.

7. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall the PP shall carry out the scientific studies to assess the slope stability of the working benches to be constructed and existing quarry wall, by involving any one of the reputed Research and Academic Institutions - CSIR-Central Institute of Mining & Fuel Research / Dhanbad, NIRM/Bangalore, Division of Geotechnical Engineering-IIT-Madras, NIT-Dept of Mining Engg, Surathkal, and Anna University Chennai-CEG Campus. The PP shall submit a copy of the aforesaid report indicating the stability status of the quarry wall and possible mitigation measures during the time of appraisal for obtaining the EC.
8. However, in case of the fresh/virgin quarries, 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.
9. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
10. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
13. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?

14. Quantity of minerals mined out.
- Highest production achieved in any one year
 - Detail of approved depth of mining.
 - Actual depth of the mining achieved earlier.
 - Name of the person already mined in that leases area.
 - If EC and CTO already obtained, the copy of the same shall be submitted.
 - Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
15. All corner coordinates of the mine lease area, superimposed on a High-Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
16. The PP shall carry out Drone video survey covering the cluster, green belt, fencing, etc.,
17. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
18. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment, and the remedial measures for the same.
19. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of the Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.

20. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of groundwater pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds, etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
21. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
22. The Proponent shall carry out the Cumulative impact study due to mining operations carried out in the quarry specifically with reference to the specific environment in terms of soil health, biodiversity, air pollution, water pollution, climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.
23. Rain water harvesting management with recharging details along with water balance (both monsoon & non-monsoon) be submitted.
24. Land use of the study area delineating forest area, agricultural land, grazing land, wildlife sanctuary, national park, migratory routes of fauna, water bodies, human settlements and other ecological features should be indicated. Land use plan of the mine lease area should be prepared to encompass preoperational, operational and post operational phases and submitted. Impact, if any, of change of land use should be given.
25. Details of the land for storage of Overburden/Waste Dumps (or) Rejects outside the mine lease, such as extent of land area, distance from mine lease, its land use, R&R issues, if any, should be provided.

26. Proximity to Areas declared as 'Critically Polluted' (or) the Project areas which attracts the court restrictions for mining operations, should also be indicated and where so required, clearance certifications from the prescribed Authorities, such as the TNPCB (or) Dept. of Geology and Mining should be secured and furnished to the effect that the proposed mining activities could be considered.
27. Description of water conservation measures proposed to be adopted in the Project should be given. Details of rainwater harvesting proposed in the Project, if any, should be provided.
28. Impact on local transport infrastructure due to the Project should be indicated.
29. A tree survey study shall be carried out (nos., name of the species, age, diameter etc.) both within the mining lease applied area & 300m buffer zone and its management during mining activity.
30. A detailed mine closure plan for the proposed project shall be included in EIA/EMP report which should be site-specific.
31. As a part of the study of flora and fauna around the vicinity of the proposed site, the EIA coordinator shall strive to educate the local students on the importance of preserving local flora and fauna by involving them in the study, wherever possible.
32. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
33. Taller/one year old Saplings raised in appropriate size of bags, preferably ecofriendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along

the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner

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

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

42. The PP shall prepare the EMP for the entire life of mine and also furnish the sworn affidavit stating to abide the EMP for the entire life of mine.
43. Concealing any factual information or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this Terms of Conditions besides attracting penal provisions in the Environment (Protection) Act, 1986.


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

Annexure II

Standard Environmental Clearance Conditions prescribed by MoEF&CC for Construction Projects.

1. Statutory Compliance:

1. The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2. The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightning etc.
3. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
4. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6. The project proponent shall obtain the necessary permission for drawing of ground water / surface water required for the project from the competent authority.
7. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department and Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.

9. The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.

10. The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

2. Air quality monitoring and preservation:

1. Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.

2. A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.

3. The project proponent shall install a system to carry out Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g., PM10 and PM25) covering upwind and downwind directions during the construction period.

4. Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

5. Sand, murrum, loose soil, cement, stored on site should be covered adequately so as to prevent dust pollution.

6. Wet jet shall be provided for grinding and stone cutting.

7. Unpaved surfaces and loose soil should be adequately sprinkled with water to suppress dust.

8. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly

disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules 2016.

9. The diesel generator sets to be used during construction phase shall be low Sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise mission standards.
10. The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
11. For indoor air quality the ventilation provisions as per National Building Code of India.

3. Water Quality Monitoring and Preservation:

1. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rainwater.
2. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3. Total freshwater use shall not exceed the proposed requirement as provided in the project details.
4. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
5. A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be

- specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6. At least 20% of the open spaces as required by the local building byelaws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
 7. Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation car washing, thermal cooling, conditioning etc. shall be done.
 8. Use of water saving devices/ fixtures (viz. low flow flushing systems: use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 9. Use of water saving devices/ fixtures (viz. low flow flushing systems: use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
 10. Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
 11. The local bye-law provisions on rainwater harvesting should be followed. If local byelaw provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rainwater harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
 12. A rainwater harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built-up area and storage capacity of minimum one day of total freshwater requirement shall be provided. In areas where ground water recharging is not feasible, the rainwater should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
 13. All recharges should be limited to shallow aquifer.
 14. No ground water shall be used during construction phase of the project.

15. Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16. The quantity of freshwater usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with Half Yearly Compliance Reports (HYCR).
17. Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, not related water shall be disposed into municipal drain.
18. No sewage or untreated effluent water would be discharged through storm water drains.
19. Onsite sewage treatment of capacity of treating 100% wastewater to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated wastewater shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
20. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be taken to mitigate the odor problem from STP.
21. Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Centre Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

4. Noise Monitoring and Prevention:

1. Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
2. Noise level survey shall be carried out as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of Half Yearly Compliance Report (HYCR).
3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

5. Energy Conservation Measures:

1. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2. Outdoor and common area lighting shall be LED.
3. The proponent shall provide solar panels covering a minimum of 50% of terrace area as committed.
4. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
5. Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
6. Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building byelaws requirement, whichever is higher.

7. Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building byelaws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

6. Waste Management:

1. A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2. Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3. Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4. Organic waste compost/ Vermiculture pit/ Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5. All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6. Any hazardous waste generated during construction phase shall be disposed of as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7. Use of environmentally friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environmentally friendly materials.

8. Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September 1999 and amended from time to time. Ready mixed concrete must be used in building construction.
9. Any wastes from construction and demolition activities related thereto shall be managed to strictly conform to the Construction and Demolition Rules, 2016.
10. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

7. Green Cover:

1. No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2. A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
3. Where the trees need to be cut with prior permission from the concerned local authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
4. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

5. A wide range of indigenous plant species should be planted as given in the Appendix-I, in consultation with the Government Forest/Horticulture Departments and State Agriculture University.

8. Transport:

1. A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.

- a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
- b. Traffic calming measures.
- c. Proper design of entry and exit points.
- d. Parking norms as per local regulation.

2. Vehicles hired to bring construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

3. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

9. Human Health Issues:

4. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
5. For indoor air quality the ventilation provisions as per National Building Code of India.
6. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
7. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
8. Occupational health surveillance of the workers shall be done on a regular basis.
9. A First Aid Room shall be provided in the project both during construction and operations of the project.
- 10. Corporate Environment Responsibility:**
 1. The PP shall complete the CER activities, as committed, before obtaining CTE.
 2. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of Half Yearly Compliance Report (HYCR).


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN

3. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
4. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Half Yearly Compliance Report (HYCR).

11. Miscellaneous:

1. The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in Tamil language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
3. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4. The project proponent shall submit Half Yearly Compliance Reports (HYCR) on the status of the compliance of the stipulated environmental conditions on the website of the Ministry of Environment, Forest and Climate Change at environment clearance portal.
5. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

6. The project proponent shall inform the Authority (SEIAA) of the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
7. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
8. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also during their presentation to the State Expert Appraisal Committee.
9. No further expansion or modifications to the plant shall be carried out without prior approval of the Authority (SEIAA).
10. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11. The Authority (SEIAA) may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12. The Authority reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.
13. The Regional Office of the MoEF&CC Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
14. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

Appendix -I
List of Native Trees Suggested for Planting

| No | Scientific Name | Tamil Name | Tamil Name |
|----|---------------------------------|-------------------|------------------------|
| 1 | <i>Aegle marmelos</i> | Vilvam | விவம் |
| 2 | <i>Adenanthera pavonina</i> | Manjadi | மஞ்சள், ஆனைக்குன்றிமணி |
| 3 | <i>Albizia lebeck</i> | Vaagai | வாளை |
| 4 | <i>Albizia amara</i> | Usil | உசில் |
| 5 | <i>Bauhinia purpurea</i> | Mantharai | மந்தாரை |
| 6 | <i>Bauhinia racemosa</i> | Aathi | ஆத்தி |
| 7 | <i>Bauhinia tomentos</i> | Iruvathi | இருவாத்தி |
| 8 | <i>Buchanania axillaris</i> | Kattuma | காட்டுமர |
| 9 | <i>Borassus flabellifer</i> | Panai | பனை |
| 10 | <i>Butea monosperma</i> | Murukkamaram | முருக்கமரம் |
| 11 | <i>Bobax ceiba</i> | Ilavu, Sevvilavu | இலை |
| 12 | <i>Calophyllum inophyllum</i> | Punnai | புனை |
| 13 | <i>Cassia fistula</i> | Sarakondrai | சரக்கொன்றை |
| 14 | <i>Cassia roxburghii</i> | Sengondrai | செங்கொன்றை |
| 15 | <i>Chloroxylon sweitenia</i> | Purasamaram | புரசமரம் |
| 16 | <i>Cochlospermum religiosum</i> | Kongu, Manjallavu | கோங்கு, மஞ்சள் இலை |
| 17 | <i>Cordia dichotoma</i> | Naruvuli | நருவூலி |
| 18 | <i>Creteva adansoni</i> | Mavalingum | மாவிளங்கம் |
| 19 | <i>Dillenia indica</i> | Uva, Uzha | உவா |
| 20 | <i>Dillenia pentagyna</i> | SiruUva, Sitruzha | சிறு உவா |
| 21 | <i>Diospyro sebenum</i> | Karungali | கருங்காளி |
| 22 | <i>Diospyro schloroxylon</i> | Vaganai | வாகனை |
| 23 | <i>Ficus amplissima</i> | Kallitchi | கல் இச்சி |
| 24 | <i>Hibiscus tiliaceou</i> | Aatrupoovarasu | ஆற்றுப்பூக்க |
| 25 | <i>Hardwickia binata</i> | Aacha | ஆச்சா |
| 26 | <i>Holoptelia integrifolia</i> | Aayili | ஆய மரம், ஆயிலி |
| 27 | <i>Lannea coromandelica</i> | Odhiam | ஒதியம் |
| 28 | <i>Lagerstroemia speciosa</i> | Poo Marudhu | பூ மருது |
| 29 | <i>Lepisanthus tetraphylla</i> | Neikottaimaram | நெய் கெட்டை மரம் |
| 30 | <i>Limomia acidissima</i> | Vila maram | விளா மரம் |
| 31 | <i>Litsea glutinos</i> | Pisinpattai | பின்பட்டை, பிசிப்பட்டை |
| 32 | <i>Madhuca longifolia</i> | Iluppai | இலுப்பை |
| 33 | <i>Manilkara hexandra</i> | UlakkaiPaalai | உலக்கை பாலை |
| 34 | <i>Mimusops elengi</i> | Magizhamaram | மகிழமரம் |
| 35 | <i>Mitragyna parvifolia</i> | Kadambu | கடம்பு |
| 36 | <i>Morinda pubescens</i> | Nuna | நுனா |
| 37 | <i>Morinda citrifolia</i> | Vellai Nuna | வெள்ளை நுனா |
| 38 | <i>Phoenix sylvestre</i> | Eachai | எச்சமரம் |
| 39 | <i>Pongamia pinnat</i> | Pungam | புங்கம் |

| | | | |
|----|--------------------------------|-------------------------|--------------------------|
| 40 | <i>Premna mollissima</i> | Munnai | முள்ளை |
| 41 | <i>Premna serratifolia</i> | Narumunnai | நறு முள்ளை |
| 42 | <i>Premna tomentosa</i> | Malaijoovarasu | மலை பூங்க |
| 43 | <i>Prosopis cinerea</i> | Vanni maram | வள்ளி மரம் |
| 44 | <i>Pterocarpus marsupium</i> | Vengai | வேங்கை |
| 45 | <i>Pterospermum canescens</i> | Vennangu, Tada | வேளாங்கு |
| 46 | <i>Pterospermum xylocarpum</i> | Polavu | பூங்க |
| 47 | <i>Puthranjiva roxburghii</i> | Karipala | கரிபலா |
| 48 | <i>Salvadora persica</i> | Ugaa Maram | ஊகா மரம் |
| 49 | <i>Sapindus emarginatus</i> | Manipungan, Soapukai | மணிப்புகள் சோப்புகாய் |
| 50 | <i>Saraca asoca</i> | Asoca | அசோகா |
| 51 | <i>Streblus asper</i> | Piray maram | பிராய் மரம் |
| 52 | <i>Strychnos nuxvomica</i> | Yetti | எட்டி |
| 53 | <i>Strychnos potatorum</i> | Therthang Kottai | தேத்தளர் கேட்டை |
| 54 | <i>Syzygium cumini</i> | Navai | நாவல் |
| 55 | <i>Terminalia belleric</i> | Thandri | தாந்தி |
| 56 | <i>Terminalia arjuna</i> | Ven marudhu | வேள் மருது |
| 57 | <i>Toona ciliata</i> | Sandhana vembu | சந்தன வேம்பு |
| 58 | <i>Thespesia populnea</i> | Purvarasu | பூங்க |
| 59 | <i>Walsuratrifoliata</i> | valsura | வால்சுரா |
| 60 | <i>Wrightia tinctoria</i> | Veppalai | வேப்பலை |
| 61 | <i>Pithecellobium dulce</i> | Kodukkapuli | கோடுக்காப்பளி |


 MEMBER SECRETARY
 SEAC - TN


 CHAIRMAN
 SEAC- TN

Appendix –III


Display Board

(Size 6' x5' with Blue Background and White Letters)

சுருக்கம்

அங்கங்களில் குவாசி செயல்பாடுகளுக்கான சுற்றுச்சூழல் அனுமதி கிழகம், நித்தானங்களுக்கு உட்பட்டு வழங்கப்பட்டுள்ளது SEAW, தேதி: _____, சுற்றுச்சூழல் அனுமதி _____ தேதி வரை செல்லத்தக்கதாக உள்ளது.

| | |
|---|---|
| பலகை பகுதி வளர்ச்சி செயல்பாடுகளை அங்கத் திட்டம் | குவாசியின் எல்லைகள் சுற்றி வேலி அமைக்க வேண்டும் |
| | அங்கங்களின் ஆழம் தரைமட்டத்திலிருந்து மீட்டர்கள் மீளவும் இருக்க வேண்டும் |
| | சுற்றுச் சூழல் பாதிப்பை ஏற்படுத்தாதவாறு அங்கப் பரிகாரம் மேற்கொள்ள வேண்டும். |
| நடவடிக்கை புரட்சிக்கப்பட்டுள்ள மரங்கள் அகலப்படும்: | வாசல்கள் செல்லும் பாதையில் பாதிக்கப்பட்ட அனைத்து மரங்களின் முதுகுகள் தரையில் வைக்கப்படும் அல்லது வேலிக்கு வெளியே வைக்கப்படும். |
| | இசைக்கல் அமைப்பின் மூலம் பாதிக்கப்பட்ட குழாய்களை குவாசியின் எல்லைகள் சுற்றி அடர்த்தியான பலகை பகுதியை ஏற்படுத்த வேண்டும். |
| | அங்கத்தில் மேல் அகலும்பொழுது நிலத்தினால் ஏற்படாதவாறு மரங்கள் அகல் பரக்காதவாறு பராமேயம் நடவடிக்கைகளை உண்டாக்க வேண்டும். |
| | அங்கத்தில் இருந்து ஏற்படும் இசைக்கல் அமைப்பு (SIA) அனைத்து மேல் ஏற்படாதவாறு தகுந்த கட்டுப்பாடுகளை மேற்கொள்ள வேண்டும். |
| | அங்க சட்ட விதிகள் மீறல் கிழக அங்கத்தில் உடனடி பரிகாரங்களுக்கு தகுந்த பராமேயம் கட்டுவதை வழங்குவதற்கான வழிவகை செய்து தர வேண்டும். |
| | கிராம அல்லது பஞ்சாயத்து வட்டியை வசூலிக்க செல்லும் சாலைகள் தொடர்பு நடைமுறை பராமேயம் வேண்டும். |
| | அங்கப்பரிகாரம் அகலும் உடனடி விவரங்கள் பரிகாரம் மற்றும் நிதிநிலைகள் பராமேயம் உடனடி. |
| | நிதிநிலைகள் பராமேயம் கட்டுப்பாடு செய்து செல்லும் வசூலில் திருத்தம் நிதி தரவேண்டும் தொடர்பு வசூலிக்க வேண்டும். |
| | அங்கத்திலிருந்து வசூல் செல்களை எடுத்துச் செல்லும் கிராம மக்களுக்கு எந்த கிராமத்தினாலும் ஏற்படுத்தாதவாறு பராமேயம் மற்றும் சுற்றுச்சூழல் பாதிக்காத வசூல்கள் வசூலிக்க வேண்டும். |
| | அங்கப்பரிகாரம் முடிவடைந்தால் அங்க ரூட்டு திட்டத்தில் உடனடி அங்கத்தினர் ரூட்டு வேண்டும். |
| | அங்க நடவடிக்கைகளை முடித்தபின்னர் அங்கப் பகுதி மற்றும் அங்க நடவடிக்கைகளை இடையூறு ஏற்படக்கூடிய வேறு எந்தப் பகுதியையும் மறுகட்டுமானம் செய்ய தரவேண்டாம் விவரங்கள் ஆய்வுப்பகுதி வளர்ச்சிக்கு ஏற்ற வகையில் பராமேயம் உடனடி வேண்டும். |
| | (முழுமையான நித்தானத்தை அறிய பாதிக்கப்பட்ட (http://parvath.ac.in) என்பது இணையதளத்தைப் பார்க்கப்படும். மேலும் சுற்றியுள்ள சுற்றுச்சூழல் சார்ந்த பராமேயம் செல்லவில்லை உடனடி சுற்றுச்சூழல் மற்றும் வள அமைச்சரின் குவாசியைத் திட்டம் அனுமதி: 04 - 2822325 (அல்லது) தமிழ்நாடு மாநில கட்டுப்பாடு வளர்ச்சித் திட்டம் உடனடி சுற்றுச்சூழல் செயலாக்க அனுமதி. |


MEMBER SECRETARY
SEAC - TN


CHAIRMAN
SEAC- TN