

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of the Meeting of 234<sup>th</sup> State Expert Appraisal Committee (SEAC) held on 22<sup>nd</sup> September 2021 (Wednesday) at SEIAA Conference hall, 2<sup>nd</sup> Floor, Panagal Maligai, Saidapet, Chennai 600 015 for Appraisal of Building and Construction Projects, Townships and Area Development projects & Mining projects through video conference.

Agenda No: 234 -01

(File No: 3886/2018)

Proposed Black Granite quarry lease over an extent of 20.50.0 Ha at S.F.No. 74/1(P), 126/1A, 127, 132/P, 144/1, 2, 145/2, Veeranam Village, Thandarampattu Taluk, Tiruvannamalai District, Tamil Nadu by M/s.Tamilnadu Minerals Limited - For Environmental clearance (under violation).

SIA/TN/MIN/27313/2018/dated 03.09.2020)

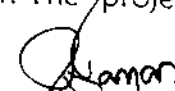
The proposal was placed in 184<sup>th</sup> SEAC meeting held on 31.10.2020. The project proponent has given a detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

SEAC noted the following:

1. The Project Proponent, M/s.Tamilnadu Minerals Limited has applied seeking Environmental Clearance for the proposed Black Granite quarry lease over an extent of 4.90.0 Ha at S.F.Nos. 20.50.0 Ha at S.F.No. 74/1(P), 126/1A, 127, 132/P, 144/1, 2, 145/2, Veeranam Village, Thandarampattu Taluk, Tiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The Violation ToR issued by SEIAA-TN vide Letter No SEIAATN/F.No.3886/2018/ToR-609/2019 Dated 20.02.2019.
4. The proponent submitted the final EIA and EMP report on 17.09.2020.

Based on the presentation made by the proponent and the documents furnished, the committee decided to direct the project proponent to furnish the following details:

1. The project proponent shall furnish the photographs showing the fencing

  
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provided for the existing quarry.


2. The project proponent shall furnish the details of existing Greenbelt area earmarked with GPS coordinates and list of trees are planted with copy of photos/documents.
3. The boundary of the existing quarry is located at 3.1km from the Sathanur reservoir. Hence, the SEAC directed the project proponent shall carry out the impact study of blasting on the reservoir through a reputed Institute/ Accredited Geologists and also get the NOC from the PWD towards the same.
4. The fugitive emission emanating at the existing quarry to be measured and the report shall be submitted.
5. The comparative detail of the mining quantity permitted in the approved mining plan and the actual mined quantity from the year 1999-2000 onward till the stoppage of the quarry operation to be furnished.
6. The proponent shall furnish the details of health check -up report of the workers and health condition survey in the surrounding villages.
7. The proponent shall furnish the data utilized for conducting the AAQ study for this site.

On receipt of the aforesaid details, the Sub-Committee will make an on-the spot inspection, since the proposal is a violation category proposal. After the receipt, site inspection report from the sub-committee of the SEAC, SEAC would further deliberate on this project and decide the further course of action." The sub-committee constituted by the SEAC submitted its inspection report on 25.02.2021. Hence the proposal was placed again for appraisal in this 204<sup>th</sup> meeting of SEAC held on 25.02.2021.

**Observations of the Sub-Committee:**

The following are the observations by the Sub-Committee Team during field visit on February 21, 2021 (Sunday) to the project site.

1. At the time of inspection, no quarrying operation was carried out.
2. Fencing has been provided all around the quarry.
3. Tree saplings were planted and protected all around the boundary of quarry.

  
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4. The waste/ reject materials from the mining activity was dumped haphazardly.

Based on the inspection report of the sub -committee, presentation made and documents furnished by the Project proponent, SEAC decided to direct the Proponent to make the presentation in respect of the ecological damage, remediation plan, and natural and community resource augmentation plan in the ensuing meeting of SEAC. The proposal was placed for appraisal in this 217<sup>th</sup> meeting of SEAC held on 06.07.2021. The SEAC committee noted that, the project proponent was unable to present ecological damage, remediation plan, and natural and community resource augmentation plan for this project. Hence it was decided to take up this project later. The proposal was again placed for appraisal in this 218<sup>th</sup> meeting of SEAC held on 09.07.2021.

Based on the presentation made and the documents furnished by the project proponent, SEAC after detailed deliberations decided to revise the assessment of Ecological damage, remediation plan and natural & community resource augmentation plan by the NABET accredited consultant, as per CPCB/MoEF guidelines.

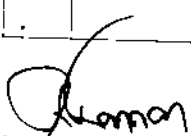
The proponent has submitted revised assessment of Ecological damage, remediation plan and natural & community resource augmentation plan by the NABET accredited consultant, as per CPCB/MoEF guidelines vide its Lr. Dt:11.08.2021 & SEIAA has communicated vide its note Dt:31.08.2021.

In view of the above, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

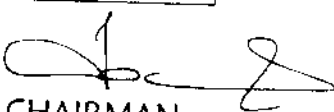
The extract from the report of revised assessment of Ecological damage, Remediation plan and Natural & Community resource augmentation plan due to violation prepared by the NABET consultant as per the guidelines mentioned in the MoEF&CC Notifications dated 14.03.2017 and 08.03.2018 furnished by the proponent is as follows:

1. Ecological Damage Assessment:

S. No	Ecological Damage Assessment	Remediation Plan	Amount (in Lakhs)
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1.	Dust/Particulate emission from production matter proposed	Sprinkling of water at regular in the mining area and unpaved roads by truck mounted sprinklers	2.00
2.	Loss of native flora and aesthetic view	Plantation of native species. Development of more green belt all along the boundary of the mine lease area	2.50
3.	Waste water management Deterioration of the water channel /drain & impact on aquatic life.	Adequate labours. toilets for The sewage discharge properly into soak pit through septic tank. Proper channelization of rainwater	3.00
4.	Noise generation & increase in noise level. Noise & vibration due to mining activity and operation of Gen set.	Noise and vibration study to control the noise level	1.00
TOTAL			8.5

## 2. Natural Resource Augmentation Plan:

S. No.	Natural Resource Augmentation Activities	Amount(in Lakhs)
1.	Renovation / De-silting of water bodies located in Veeranam village	4.00
2.	Rainwater conservation measurement Roof top rain water harvesting implantation at Govt. School of Veeranam village	0.5
3.	Development of avenue plantation in Veeranam village	1.5
TOTAL		6.00

## 3. Community Augmentation Plan:

S. No.	Community Augmentation Activities	Amount(in Lakhs)
1.	Construction of Sanitation facilities for Govt. School at Veeranam village.	2.00
2.	Technical skill development programmes to the children of farmer /poor people at Veeranam village.	1.50
3.	Smart Screen (CPU & Monitor) for covt. School at Veeranam village	2.00

  
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4.	Solar lights with pole at Veeranam Govt school or village.	2.00
5.	Sanitary Napkin dispenser/Vending machine for Govt. School at Veeraram village.	1.50
TOTAL		9.00

**Corporate Environmental Responsibility:**

S.No.	Corporate Environmental Responsibility Activities	Amount(in Lakhs)
1.	A hall for taking lunch for 230 students from 1st to 8th standard class students as requested by the Head Master Panchayath Union Middle School, Veeranam village.	2.00

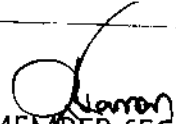
Total Fund allocated for Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation plan is Rs. 23.50 Lakhs.


As per SEAC-TN guidelines, the ecological damage and the remediation / augmentation plan falls under low level ecological damage category (Granite) as follows:

SEAC-TN guideline for calculation of Low - level Ecological damage category - Granite.				
Level of damage	Ecological Remediation Cost	Natural Resource Augmentation cost	Community Resource Augmentation cost	CER Cost
	(Rs. Lakhs/ Hectare).			
Low level Ecological damage for Granite Mine	0.40	0.50	0.70	0.40

Calculation of Cost of Ecological Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan for Low level Ecological damage category – Black Granite mining – Area Extent(20.50.00 ha).

Level of damage	Ecological Remediation	Natural Resource Augment	Community Resource Augmentati	CER (Rs.0.40 Lakhs/	Total (Rs. Lakhs)
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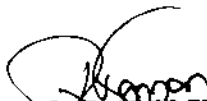
	Cost (Rs.0.40 Lakhs/ Hectare).	ation cost (Rs.0.50 Lakhs/ Hectare).	on cost (Rs.0.70 Lakhs/ Hectare).	Hectare).	
Low level Ecological damage	8.2	10.25	14.35	8.2	41.1

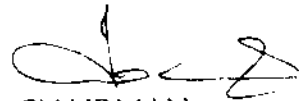
The total cost of Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation cost is Rs. 41.1lakhs as per SEAC-TN guidelines for calculation of Low - level Ecological damage category is taken up which is greater than the cost Rs. 23.50 Lakhs arrived by the EIA coordinator.

The SEAC observed that the proposed Black Granite mining activity was carried out without prior environmental clearance & the proposal seeking Environmental Clearance under violation category at S.F.No. 74/1(P), 126/1A, 127, 132/P, 144/1, 2, 145/2, Veeranam Village, Thandampattu Taluk, Tiruvannamalai District, Tamil Nadu by M/s.Tamilnadu Minerals Limited which is categorized under the "low level ecological damage category". The SEAC after detailed deliberations decided to *recommended* the project proposal for grant of Environmental Clearance subject to the following conditions, in addition to standard conditions stipulated by the MoEF&CC:

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


- 1) Accordingly, the amount prescribed for Ecological remediation (Rs. 8.2 lakhs), natural resource augmentation (Rs. 10.25 lakhs) & community resource augmentation (Rs. 14.35 lakhs), totaling Rs.32.90 Lakhs. Hence the SEAC after

  
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detailed deliberations decided to direct the project proponent to remit the amount of Rs.32.90 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.

- 2) The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
- 3) The amount committed by the Project proponent for CER (Rs.8.2 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.
- 4) The project proponent shall allocate a separate area for waste dumping and proper protective structure may be made to contain the fugitive emissions from the same.
- 5) The project proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining areas.
- 6) The mining blasting timings should also be displayed at strategic locations.
- 7) The project proponent should not carry out mining below the ground water table without the NoC /permission from the Central Ground water Authority
- 8) The proponent shall form the proper benches during the operation of quarry.
- 9) Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to SEIAA once in six months.
- 10) Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures undertaken.

  
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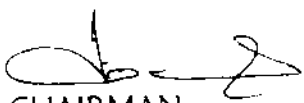
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- 11) The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs / map of the same before obtaining the CTO from TNPCB.
- 12) Greenbelt needs to be developed in the periphery of the mines area so that at the closure time the trees would have grown well.
- 13) Ground water quality monitoring should be conducted once every six months and the report shall be submitted to TNPCB.
- 14) After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
- 15) The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
- 16) Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
- 17) The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
- 18) Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village road.
- 19) The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
- 20) The proponent shall develop an adequate green belt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.

  
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- 21) The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
- 22) 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.
- 23) 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.
- 24) The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine.
- 25) As per the MoEF & CC Office Memorandum F. No. 22-65 / 2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities as proposed in the CER and furnish the same before placing the subject to SEIAA.
- 26) All the conditions imposed by the in the mining plan approval letter issued by Dept. of Geology & Mining / Indian Bureau of Mines should be strictly followed.
- 27) The project proponent shall conduct occupational health checkup including pulmonary function test (PFT) and X-ray for all employees at regular intervals.


Agenda No: 234-02


(File No: 7341/2019)

Proposed Rough Stone & Gravel quarry lease area over an extent of 3.56.0Ha at S.F.Nos. 40/13C(P), 41/1B1A, 41/1B1B, 41/1B1C, 41/1B1D, 41/1B1E, 41/1B2A, 41/1B2B, 41/1B2C, 41/1B2D, 41/1B2E, 41/1B2F of Eyyil Village & 168/1B1, 168/1B2 & 168/2(P) of Melnemili Village, Melmalayanur Taluk, Villuppuram District, Tamil Nadu by Thiru.A. Rajadathan - For Environmental Clearance.

(SIA/TN/MIN/45047/2019, dated:19.10.2019)

The proposal was placed in this 147<sup>th</sup> SEAC meeting held on 06.03.2020. Based on the initial scrutiny of the documents and discussion with the proponent, the SEAC noted that the consent agreement for land with survey numbers of 40/13C and 158/2 was not registered. Hence, SEAC after detailed deliberations decided to defer the

  
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proposal. On receipt of the above details, the SEAC would decided on further course of actios on the proposal.

The project proponent has submitted the above said detail to SEIAA-TN and the proposal was placed in the 185<sup>th</sup> SEAC Meeting held on 07.11.2020. 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. A. Rajadathan, has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry over an Extent of 3.56.0Ha at S.F.Nos. 40/13C(P), 41/1B1A, 41/1B1B, 41/1B1C, 41/1B1D, 41/1B1E, 41/1B2A, 41/1B2B, 41/1B2C, 41/1B2D, 41/1B2E, 41/1B2F of Eyyil Village & 168/1B1, 168/1B2 & 168/2(P) of Melnemili Village, Melmalayanur Taluk, Viluppuram District, Tamil Nadu by Thiru.A. Rajadathan District.
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. The production for the five-year period states that the total quantity of recoverable as 214,552 cu.m of Rough stone, 46,782 cu.m of weathered rock & 36,820 cu.m of Gravel and the ultimate depth of mining is 25m.


On initial discussion, the SEAC found that as per the office record there was a crusher in the project site and same was noted by the concern officer on 07.03.2020. Hence the SEAC after detailed deliberations decided request the SEIAA office to obtain the letter from the District Environmental Engineer, TNPCB, Villupuram about the present status of the project site, crusher unit in the project site and status of the consent order issued by the TNPCB.


On receipt of the aforesaid details, SEAC shall further deliberate on this project and decide the further course of action.

The proponent has submitted additional details vide its Lr. Dt:11.08.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations decided to recommend the proposal for the grant of issue


  
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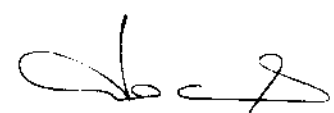
  
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of Environmental Clearance subject to the following specific conditions in addition to normal conditions stipulated by MOEF &CC:

1. The proponent shall form proper benches as per the approved mining plan during the operation of the quarry considering the hydro-geological regime of the surrounding area as well as for safe mining.
2. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.
3. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.
4. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCB once in six months.
5. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be undertaken.
6. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
7. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of atleast 3m width so that at the closure time the trees would have grown well.
8. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
9. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
10. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also the proponent shall undertake re-grassing of the mining area and any other area which may have been disturbed

  
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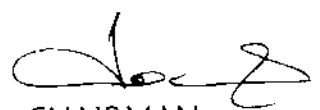
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due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.

11. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
12. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
13. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village road.
14. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
15. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.
16. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
17. 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.
18. 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.
19. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
20. All the conditions imposed by the Deputy Director, Geology & Mining, Villuppuram District in the mining plan approval and the precise area

  
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communication issued by District Collector, Villuppuram District should be strictly followed.

Agenda No: 234-03

(File No: 8343/2021)

Proposed Construction of additional 576 slum tenements along with the existing 432 tenements in the existing scheme at S.F.No. 10/2, 11/1, 11/2 & 11/4 at Thappukundu Viilage, Theni Taluk, Theni District, Tamil Nadu by M/s. Tamil Nadu Slum Clearance Board - For Environmental Clearance.

(SIA/TN/MIS/195109/2021, dated: 27.01.2021)


The proposal was placed in this 216<sup>th</sup> meeting of SEAC held on 05.07.2021. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The project proponent gave detailed presentation.

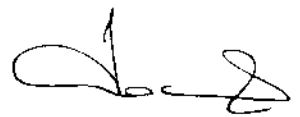
SEAC noted the following:


1. The Proponent, M/s. Tamil Nadu Slum Clearance Board has applied seeking Environmental Clearance for the proposed construction of additional 576 slum tenements along with the existing 432 tenements in the existing scheme at S.F.No. 10/2, 11/1, 11/2, 11/4 at Thappukundu Village, Theni Taluk, Theni District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.

Based on the presentation made and documents furnished by the project proponent, SEAC noted that the proponent has applied for total built up area of 40,638.22 sq.m. comprising 23 Blocks with 969 Nos. of tenements. In this connection it was noted that the proponent has obtained approval from DTCP Dt: 03.02.2020 for phase-I of Built up area of 16,308.24 sq.m for construction of 11 blocks for 432 Nos. tenements and now he has submitted the approval from DTCP Dt:20.10.2020 for the proposed phase-II of Built up area of 22970.72 sq.m for construction of 12 blocks for 576 Nos. tenements within the same land survey numbers.

  
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In view of the above, SEAC after detailed deliberations decided to defer the application based on the following shortcomings observed during the presentation and as such the proposal is not recommended for grant of EC.

1. The proponent has not furnished compliance certificate for the completed construction Phase -I of existing project from the DTCP /competent authority and also whether the constructed facility has been occupied or not.
2. The proponent has not furnished clarification and details of land survey numbers covered for the existing and proposed expansion activities.
3. The proponent has not furnished combined FMB sketch for existing and expansion activity vetted by competent authority and the project proponent.
4. The design of STP and Grey water treatment plant considering mode of disposal of treated sewage & treated grey water for existing constructed blocks and proposed expansion activity, is not in order. The proponent should be excluded dual plumbing arrangement for the constructed existing buildings which is not possible at this stage.
5. The proponent has not furnished baseline environmental monitoring data for preconstruction phase, construction phase, & post construction phase considering all the environmental parameters in regard to surface water/ground water quality, air quality, land including traffic study to assess the impact of the proposed project on the environment and to propose Environment management plan activities & CER activities with implementation and cost estimation details, accordingly.
6. The storm water management plan & rain water harvesting plan furnished was not in order.
7. The proponent has not furnished car parking details. Hence, the proponent shall furnish details and earmarked area for car parking in the layout plan.
8. The proponent has not furnished details of solar energy utilization within the premise.

The proponent has submitted additional details vide its Lr. Dt.:19.08.2021.

  
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The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the documents furnished by the project proponent, SEAC noted that the proposal was already placed in 216<sup>th</sup> meeting of SEAC held on 05.07.2021 and the proposal was not recommended for grant of EC by SEAC and thus the said proposal would not be considered under ADS reply category. Hence, the said proposal stands not recommended.

Agenda No: 234-04

(File No: 7902/2021)


Proposed Rough Stone quarry lease area over an extent of 1.00.0Ha at S.F.Nos. 121 (Part-3) of Perumugai Village, Vellore Taluk, Vellore District, Tamil Nadu by Thiru. K. Devendiran- For Environmental Clearance.

(SIA/TN/MIN/175565/2020, dated: 29.09.2020).

The proposal was placed for appraisal in this 211<sup>th</sup> meeting of SEAC held on 24.04.2021. The project proponent gave detailed presentation. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. K. Devendiran has applied for Environmental Clearance for the proposed Rough stone quarry lease over an extent of 1.00ha at S.F.No. 121(Part-3) of Perumugai Village, Vellore Taluk, Vellore 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. The production for the five years states that the total quantity of recoverable as 73975cu.m of Rough stone should not exceed for the depth of mining 36m above ground level.
4. The VAO letter 29.07.2020 states that "within 300m radius of project site there is no habitations like house, historical monuments, forests, school, burial ground" but when checked with Google earth satellite image there are lot of habitants found in project site.

  
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Chairman  
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5. There is a check dam located within 300m radius.

Based on the presentation made by the proponent and the documents furnished, the committee decided the followings:

1. SEIAA shall write a letter to District Collector to check the genuineness of VAO letter, as the Google earth satellite image shows that there are many of habitats found in and around the project site. The District Collector may choose to depute a higher official to assess the actual situation and action shall be taken, if required.
2. Since there is a check dam located very near the project site, the project proponent shall obtain a certificate from PWD to carry out quarrying operation.

On receipt of the aforesaid status details, SEAC would further deliberate on this project and decide the further course of action.

The proposal was placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the additional documents furnished by the project proponent, SEAC directed the proponent to furnish the additional particulars as follows

1. To furnish letter obtained from District Collector to check the genuineness of VAO letter, as the Google earth satellite image shows that there are many of habitats found in and around the project site.
2. The project proponent shall obtain a safety & stability certificate for the check dam to the effect that no impact mining on the same from PWD or any Govt. Institutions like IIT, Anna University etc.

Agenda No: 234-05

(File No: 7783/2020)

Proposed Rough stone and Gravel quarry lease over an extent of 1.48.5 Ha in S.F.No. 1631/2B at Vellakoil Village, Kangeyam Taluk, Tiruppur District, Tamil Nadu by Thiru.Pon.Vadivel - For Environmental Clearance.

(SIA/TN/MIN/161843/2020, dated:03.07.2020).

  
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The proposal was placed in the 185th SEAC Meeting held on 07.11.2020. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

SEAC noted the followings:

1. The Proponent, Thiru. Pon.Vadivel, has applied for Environmental Clearance for the proposed Rough stone and Gravel quarry lease over an extent of 1.48.5 Ha in S.F.No. 1631/2B at Vellakoil Village, Kangeyam 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.

On initial scrutiny of the office record, the SEAC noted that the project proponent has excavated the mined-out quantity of 130050 cubic meter as per the Deputy Director Department of Geology & Mining, Tiruppur District dated 03.08.2020 (it was mentioned that the existing pit dimension 150(length) x 51(width) X 17(depth) and period of operation 30.10.2014 to 29.10.2019). But the quantity of minerals to be mined out as per the EC already issued to the proponent was only 48025 cubic meters of rough stone 5048cubic meters of gravel (total allowed mined-out mineral was 54023 cubic meters) vide Letter No SETAA-TN/F.No.1765/EC/1(a)/874/2013 dated 12.11.2013. Hence the SEAC after detailed deliberations decided to direct the project proponent to furnish the reason for the excess mining of minerals, and whether any fine has been levied on the proponent for excess mining by the competent authority.


Further the SEAC directs the SEIAA office to obtain the certified compliance report for the conditions imposed in the earlier EC issued from the competent authority.

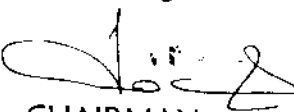
On receipt of the aforesaid details, SEAC shall further deliberate on this project and decide the further course of action

The proponent has submitted additional details vide its Lr. Dt.:06.08.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the additional documents furnished by the project proponent, SEAC directed the proponent to furnish letter from DD, Dept. of Geology & Mining for

  
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entire quantity mined out considering the letter was only from proponent it was noted that no letter is produced from DD/Mines with regard to quantity for which EC issued Dt:12.11.2013.

Agenda No: 234-06

(File No: 8215/2020)

Proposed Rough Stone & Gravel quarry lease area over an extent of 1.31.0Ha at S.F.Nos. 68/1, 68/2, 93/11A, 93/11B1 & 93/11B2, Thiruchunai Village, Melur Taluk, Madurai District, Tamil Nadu by Thiru.J.Peer Mohammed - For Environmental Clearance.

(SIA/TN/MIN/188905/2020, dated:19.12.2020).

The proposal was placed for appraisal in this 202<sup>th</sup> meeting of SEAC held on 19.02.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The project proponent gave detailed presentation of the project. SEAC noted the following:

1. The Project Proponent, Thiru.J.Peer Mohammed has applied seeking Environmental Clearance for the proposed 1.31.0 Ha at S.F.No. 58/1, 68/2, 93/11A, 93/11B1 & 93/11B2 of Thiruchunai Village, Melur Taluk, Madurai District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification,2005.
3. The production for the five-year period states that the total quantity of recoverable as 129,855 cu.m of Rough stone, 17,316 cu.m of Gravel and the ultimate depth of mining is 42m below ground level.

Based on the presentation made and documents furnished by the Project proponent, SEAC after detailed deliberations decided to seek the Proponent to furnish the following additional details

- i. There are four water bodies located near the project site. Hence the Project Proponent shall conduct a detailed hydro-geological study to evaluate the

  
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impact of proposed mining activity on the said water bodies, groundwater table and agricultural lands located nearby by the proposed mining area and furnish report.

ii. Details of the lithology of the mining lease area shall be furnished.

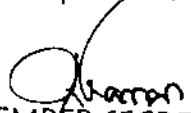
On receipt of the aforesaid details the committee would further deliberate on this project and decide the further course of action.

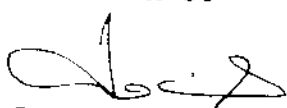
The proponent has submitted additional details vide its Lr. Dt.:12.04.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

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

1. Restricting the depth of mining to 32m ultimate depth and quantity of 124,385 cu.m of Rough stone & 17,316 cu.m of Gravel are permitted for mining over five years considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining.
2. The proponent shall form proper benches as per the approved mining plan during the operation of the quarry considering the hydro-geological regime of the surrounding area as well as for safe mining.
3. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.
4. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.
5. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCB once in six months.
6. The proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be

  
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undertaken.

7. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
8. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of atleast 3m width so that at the closure time the trees would have grown well.
9. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
10. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
11. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also the proponent shall undertake re- grassing of the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
12. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
13. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
14. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village road.
15. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
16. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining

  
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- activity, in consultation with DFO of the concerned district/agriculture.
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 monitored by the District Authorities.
  18. 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.
  19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
  20. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
  21. All the conditions imposed by the Deputy Director, Geology & Mining, Madurai District in the mining plan approval and the precise area communication issued by District Collector, Madurai District should be strictly followed.

Agenda No: 234-07

(File No: 7810/2020)


Proposed expansion of API unit with production capacity of 1945MT/Month to 14061MT/Month & Drug Intermediate, with production capacity of 1500MT/Month by M/s. ALCHYMARS ICM SM private Limited Unit - 1 at Survey No. 237/1, plot no. A-14, SIDCO Pharmaceutical complex, Alathur Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu - for Environmental Clearance

(SIA/TN/IND2/170000/2020, dated: 31.08.2020)

The proposal was placed in this 201<sup>st</sup> SEAC Meeting held on 12.02.2020. 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, M/s. ALCHYMARS ICM SM Private Limited Unit -I ha, applied for Environmental Clearance for the proposed expansion of API unit with production

  
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capacity of 1945 MT/Month to 14061 MT/Month & Drug Intermediates with production capacity of 1500 MT/Month at Survey No. 237/1, plot no. A-14. SIDCO Pharmaceutial complex. Alathur Village, Thiruporur Taluk, Chengalpattu Dirtrict. Tamil Nadu.

2. The project/activity is covered under Category "B2" of Item 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk drug, and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)" of the Schedule to the EIA Notification, 2005.

Based on the presentation made by the project proponent and the documents furnished, the SEAC instructed the project proponent to furnish the following details:

1. The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meters wide and the same shall be included in the layout out plan, totaling to a minimum of 15% of the total area.
2. As per the MoEF & CC Office Memorandum F.No. 22-65/2017-1A.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities including the activities proposed in the CER.
3. The proponent shall carry out the Risk Assessment Study based on the MSDS of the individual chemicals during handling/Solvent storage/Storage of chemicals.
4. The proponent shall submit the detailed report on Occupational Health and Safety precautions for the workers.
5. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the VOC Emissions and model the same.
6. The project proponent shall obtain necessary permission from Competent Authority for the extraction of Ground water.
7. The proponent shall furnish the stoichiometric balance and the mass balance of the materials and quantify the pollutants (air & water).

  
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8. The project proponent shall submit the potential characteristics of the Effluent generated during the processes and the design of the treatment plant based on those characteristics.
9. The proponent shall submit the proposal for treatment of sewage and design of the STP.
10. The proponent shall furnish the design details of Effluent Treatment Plant (ETP) with the detailed process descriptions.
11. The project proponent shall furnish the study report on Industrial Hygienic Survey, Fire accident and furnish the detailed report on health safety management for the employees.
12. The Environmental Management Plan (EMP) for the proposed project shall be revised considering the above points and same shall be submitted.

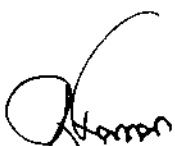
It was also decided to make a site-visit by the sub-committee members of SEAC so as to assess the present status of the project site, since it is an expansion project.

On receipt of the above details the SEAC after detailed deliberations decided to direct the proponent make a representation for the further course of action on the proposal.

The sub-committee constituted by the SEAC, the Sub-Committee visited the site on 01.05.2021. The sub-committee submitted inspection report to SEAC on 23.06.2021.

The sub-committee inspection report was placed in this 214th SEAC meeting held on 23.06.2021. The following detail were observed during the site inspection,

1. The project proponent M/s. Alchymars ICM SM private Limited presently operating with a capacity of 41.34 MT/Annum and proposed second expansion of 193.21 MT/Annum.
2. The expansion project comes under in the same campus with no additional land requirements and additional infrastructural facilities.
3. They are having 14 batch reactors for the existing project and the same shall be used for the expansion project also which needs proper explanation and justification, since all the installed reactor are of 20 years old.

  
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4. The project proponent not only increasing their product, in the existing case but also going for new additional product, and hence it comes under the category of change in the product mix and also increase in the production capacity of existing products.
5. The project proponent shall furnish the following details/information
  - i. The details of its first establishment and its EC and its compliance status
  - ii. Details of the its first expansion and its EC and compliance status
  - iii. Process details of the existing plan as well as the proposed expansion project
  - iv. Detailed study area map (with scale) showing process facilities, treatment units (STP and ETP), green belt, rainwater harvesting and storm water facilities.
6. Details of process stack, their dimension and flue gas characteristics
7. Consumption pattern of the raw material and production details for the last six months
8. Water supply records and waste water generated (actual) for ETP and STP along with power consumption records for the process and STP and ETP separately for the last six months
9. Details of Leak Detection and Repair (LDAR) study recently conducted by the project proponent and its application
10. Minorng records of HC/VOCs in the stack and ambient air
11. Sludge management for ETP and STPs
12. Monitoring records of air (stack and air quality), wastewater (ETP and STP) and solid generated
13. Monitoring of the health status records of the employees
14. Audiometry test for employees with age corrections
15. Post bronchodilator lung function test
16. AFIH qualified Part-time medical officer
17. Workplace and employee exposure assessment for VOC
18. Biological marker of exposure assessment in employees specific to hazardous and carcinogenic substances
19. API analysis in ground water

  
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20. Chemical risk analysis at storage area
21. There is no sufficient green belt of 33% as stipulated for the existing plants not seen at the time of inspection.
22. Only one rainwater harvesting is available at the project site which is not sufficient
23. There is no open or bore well present at the project site
24. Entire water supply demand of 86.0 KLD shall be met from SIDCO
25. The project proponent to submit the details of existing ECs and its compliance status to consider their application for expansion
26. The project proponent shall furnish hazardous solid waste management if any inside their campus.
27. The project proponent shall furnish record related to QA/QC of raw materials and their product inside the campus.
28. The project proponent shall submit all reaction involved (stoichiometrically balanced), intermediate to final products from reactants for the existing project as well as the proposed project clearly indicating mass balance and waste produced.
29. The subject was once again placed in the 214th SEAC meeting held on 23.06.2021. After detailed discussion the SEAC has decided to direct the proponent to furnish the following details
30. For industries 33% of green belt of total proposed site is mandatory, in this connection during inspection it was noted that the proponent has not provided 33% of green belt area within the premises. Hence, proponent shall clarify the same.
31. Details of mode of expansion with respect to details of nos. of process utilities /reactors used in comparison with details of existing nos. of machineries with capacity relating to the proposed expansion quantity of products.
32. Production details records with power consumption details for past 10 years in compliance with consented quantity of TNPCB.

  
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33. Justification for proposed expansion activity to carry out 5 timer higher than the existing consented production utilizing the existing nos. of process utilities/reactors.

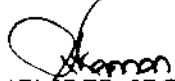
34. Copy of certified compliance issued for earlier EC by Regional office of MoEF&CC. Records of audiometry test for employees with age corrections for 1 year.

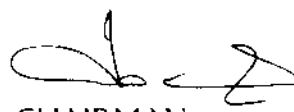
The proponent has submitted additional details vide its Lr. Dt.:23.08.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.


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

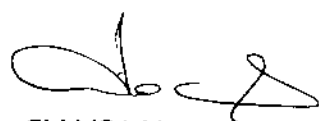
1. The project proponent shall maintain the Green belt area not less than 33% of the land area all along the periphery of the unit and maximum green belt shall be maintained in the down wind direction as reported. Selection of plant species shall be as per the CPCB guidelines in consultation with the District Forest Department.
2. The project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.
3. Necessary permission letter for the supply of water shall be obtained from the competent authority before obtaining CTO from TNPCB.
4. The effluent generated from the process should be treated through the ETP to achieve the treated effluent standards prescribed by the CPCB/TNPCB.
5. The proponent shall ensure the zero-liquid discharge.
6. The proponent shall continuously operate and maintain adequate Air-pollution control measures for the process area.
7. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.

  
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8. The proponent shall obtain and maintain valid safety licenses for the concerned department for boiler, solvent/fuel/raw material storage areas etc.
9. The proponent shall ensure that the area earmarked for the boiler, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO.
10. The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous waste (Management) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.
11. The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/equipments/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
12. A detail report on the safety measures and health aspects including periodical audiometry, pulmonary lung function etc. test reports once in a year for all the workers shall be submitted to TNPCB.
13. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
14. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.

  
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Agenda No: 234-08

(File No: 6686/2018)

Proposed Construction of residential group development project at S.F.No. 171/1A1, 172/3A, 177/3A2, 177/2B, 177/3A3B, 177/3A3C, Vilankurichi Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s. Casa Grande Coimbatore LLP - For Environmental Clearance (Under Violation).

(SIA/TN/MIS/87837/2018 dated: 07.12.2018)

The project proponent has applied for Environmental clearance through online vide his application dated 07.12.2018 and the hard copy of the application along with the processing fees of Rs.3 lakhs was submitted to SEIAA-TN on 17.12.2018. The proposal was placed in the 123<sup>rd</sup> meeting of SEAC Meeting held on 21.12.2018 & 22.12.2018. The project proponent gave a detailed presentation on the salient features of the project and informed that:

1. The project is located at 11° 4'9.44"N Latitude, 77° 1'13.32"E Longitude.
2. The total land area of the project is 15008.85 sq.m with total build up area 33779.39 sq.m
3. The project comprises of 6 Blocks – Block 1 consists of Stilt + 4 Floors + terrace floor with 136 Dwelling Units & club house Part, Block 2 consists of Stilt + 4 Floors + terrace floor with 28 Dwelling Units and Block 3 consists of Stilt + 4 Floors + terrace floor with 28 Dwelling Units, Block 4 consists of Stilt + 4 Floors + terrace floor with 40 Dwelling Units, Block 5 consists of Stilt + 4 Floors + terrace floor with 36 Dwelling Units, Block 6 consists of Stilt + 4 Floors + terrace floor with 96 Dwelling Units. Total number of dwelling units is 364.
4. The green belt area proposed for the project is 2463.6 sq.m (16.4% of total land area).
5. The daily fresh water requirement is 165 KLD to be sourced from Coimbatore Corporation. Out of 165 KLD, 160 KLD will be used for domestic purpose & 5 KLD for swimming Pool top up.

  
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6. The sewage generated from the project will be 228 KLD including 84 KLD of recycled flush water, which will be treated in the STP of 270 KLD capacity & the treated sewage of 228 KLD will be recycled and 84 KLD will be used for toilet flushing, 9 KLD will be used for Greenbelt & 6 KLD will be used for OSR & remaining excess treated sewage of 118 KLD will be discharged into Ukkadam STP.
7. Total solid waste estimated to be generated is 1086.2Kg/day in which 651.72 Kg/day is Biodegradable waste, which will be treated in organic waste convertor (OWC-300) within the project site mixed with 25 Kg/day STP sludge and then used as manure for landscaping purpose within project site and 434.48 Kg/day is Non-Biodegradable waste will be sold to recyclers.
8. The rainwater harvesting pit has 25 nos of 1 m dia and 2.6 m depth & the rainwater collection sump 2 nos of capacity 100 cu.m to be provided.
9. The proponent is proposed to install D.G set of 2Nos of 100 KVA & 1 no of 62.5 KVA to cater the essential load requirement during power failure with a stack height of 16.95 & 16.53 m.

SEAC noted the following:

1. The Proponent of M/s. Casa Grande Coimbatore LLP has applied for Environment Clearance to SEIAA on 17.12.2018 for the proposed construction of residential group development at S.Nos. 171/1A1, 172/3A, 177/3A2, 177/2B, 177/3A3B, 177/3A3C, Vilankurichi village, Coimbatore North Taluk, Coimbatore District, Tamilnadu.
2. The project/activity is covered under Category "B1" of Item 8(a) "Building & Construction projects of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished, the Committee decided to make an on-the-spot inspection of the above unit to assess the present condition and the surrounding environment based on the inspection, SEAC will decide the further course of action.

  
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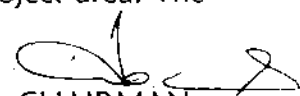
As per the order Lr.No.SEAC-TN/F.No.6686/2018 dated: 02.02.2019, a subcommittee of SEAC was constituted to assess the present conditions and the surrounding environment for the proposed construction of residential group development by M/s. Casa Grande Coimbatore LLP at S.F. Nos. 171/1A1, 172/3A, 177/3A2, 177/2B, 177/3A3B, 177/3A3C, Vilankurichi village, Coimbatore North Taluk, Coimbatore District.

The committee constituted by SEAC inspected the site on 09.02.2019. To start with, the subcommittee of SEAC held discussions with the project proponent regarding the proposed construction of residential group development by M/s. Casa Grande Coimbatore LLP at S.F. Nos. 171/1A1, 172/3A, 177/3A2, 177/2B, 177/3A3B, 177/3A3C, Vilankurichi village, Coimbatore North Taluk, Coimbatore District. The following observations were made by the technical committee during the inspection:

The Surrounding features of the site: The site is surrounded by corn field and plots in the Northern side, storm water drain followed by road and vinayagar Temple in the western side, vacant land and scattered houses in the southern side and vacant land on the Eastern site

- a) Construction of compound wall with the hallow blocks on all the four sides of the site is under progress.
- b) Diesel generator of 62.5 KVA is located inside the proposed site.
- c) Construction materials like blue stone, hollow blocks and other construction materials were stored in the proposed site.
- d) Water storage FRP tanks of 5000 Litres (3 Nos) stored with water were found inside the proposed site. In which, 1 No of Sintak tanks of 5000 Litres is placed in the concert and other two were grounded to land.
- e) 1 No of JCB vehicle was found in the project site.
- f) 12 Number of isolated footing of 12 Numbers has been done in the site on the western side inside the project site. Apart from that two pits were dig inside the project area. The committee has raised question reading the constructed and constructing footings of 12 number and two pits dig inside the project area. The

  
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representative of M/s. Casa Grande Coimbatore LLP, senior Manager (operation) informed that these footings were done for the construction of gate purpose in consultation with the consultant only. This action is against the MoEF notification of 2006 and an activity of showing non- respect to the law.

- g) Temporary Labour camp shed was construed using Aluminium Sheet.
- h) The committee instructed the proponent to stop the construction of footings and digging of ground inside the proposed land for EC and further instructed not to proceed further without obtaining EC.

In response to the subcommittee instructions, the proponent was directed to submit a ground status report to the SEAC on 11.02.2019. Accordingly, the proponent submitted the report on 11.02.2019.

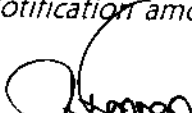
- As per the MOEF &CC Notification dated 14th September, 2006 for requirements of prior Environmental Clearance (EC):-


“State level the State Environment Impact Assessment Authority (SEIAA) for matters falling under Category ‘B’ in the said Schedule, before any construction work, or preparation of land by the project management except for securing the land, is started on the project or activity.”

- As per O.M.No.J-11013/41/2006-IA.II(I) dated 19.08.2010 states that

*“Instances have come to the notice of this Ministry where the project proponents have undertaken construction activities relating to the project at site without obtaining the requisite prior environmental clearance as is mandated under the EIA Notification, 2006. It is to reiterate that the EIA Notification, 2006 mandates prior environment clearance to be obtained in respect of all the activities listed therein following the prescribed procedure. No activity relating to any project covered under this Notification including civil construction, can be undertaken at site without obtaining prior environmental clearance except fencing of the site to protect it from getting encroached and construction of temporary shed(s) for the guard(s).*

*All the project proponent may note that any contravention of the provisions of the EIA Notification amounts to violation of the Environment (Protection) Act, 1986 and would*

  
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*attract penal action under the provisions thereof. The project proponent may also note that in case of any project where TORs have been prescribed for undertaking detailed EIA study and where construction activities relating to the project have been initiated by them, the TORs so prescribed may be suspended/ withdrawn in addition to initiating penal action under the provisions of the EP Act, 1986."*

The subcommittee submits the report to SEAC to take further course of action on the proposal of construction of residential group development by M/s. Casa Grande Coimbatore LLP at S.F. Nos. 171/1A1, 172/3A, 177/3A2, 177/2B, 177/3A3B, 177/3A3C, Vilankurichi village, Coimbatore North Taluk, Coimbatore District.

The inspection report of the subcommittee was placed in the 126th SEAC meeting held on 26.02.2019. After perusal of the inspection report along with the photograph and proponent letter dated 11.02.2019 along with the photograph. It was noted the following:

1. A total of 12 Number of isolated footing has been completed on the site on the western side inside the project site.
2. Construction of compound wall with the hollow blocks on all the four sides of the site is under progress.
3. The proponent letter dated 11.02.2019, it was reported as follows

"We have used on temporary Diesel generator of 62.5 KVA for compound wall construction activities and we have temporary tanks used for storage of water supply. Nearly 15 labours were involved in the compound construction and isolated footing of 12 numbers has been done in the site for the road side compound wall and gate erection".

In the lieu of the aforesaid points. The SEAC after detailed deliberations decided that since the construction activity has been started in the site without obtaining the prior Environment Clearances (as per the inspection report submitted by the subcommittee and the proponent letter dated 11.02.2019 along with photocopies) as per the MOEF &CC Notification dated 14th September, 2006 and O.M.No.J-11013/41/2006-IA. II (I) dated 19.08.2010 as said above. Hence, the project may be

  
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considered as a clear violation case.

The decision of the SEAC was placed in the 341th SEIAA meeting held on 21.03.2019. Further, it was noted that the project proponent has submitted a representation dated 21.03.2019 to SEAC. Hence, the Authority decided to refer back the proposal to SEAC. Since, the representation submitted by the project proponent dated 21.03.2019 to SEAC.


As referred by the SEIAA the representation of the project proponent dated 21.03.2019 was placed in the 128<sup>th</sup> SEAC meeting held on 15.04.2019. The SEAC after detailed deliberations decided to seek clarification from the MoEF&CC by pointing out the following details:

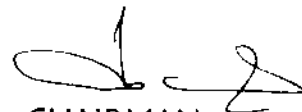
1. A total of 12 Number of isolated footing of 12 Numbers has been done in the site on the western side inside the project site.
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3. The proponent letter dated 11.02.2019, it was reported as follows

“We have used on temporary Diesel generator of 62.5 KVA for compound wall construction activities and we have temporary tanks used for storage of water supply. Nearly 15 labours were involved in the compound construction and isolated footing of 12 numbers has been done in the site for the road side compound wall and gate erection”.

Whether the above said project, as per the MOEF &CC Notification dated 14<sup>th</sup> September, 2006 and O.M.No.J-11013/41/2006-IA. II (I) dated 19.08.2010 is a case of violation. The recommendation of SEAC along with the documents was placed in the 345<sup>th</sup> meeting of SEIAA held on 18.06.2019. The SEIAA noted the recommendation of SEAC and accepted to seek clarification from MoEF&CC pointing out the following details with all other relevant documents such as inspection report, proponent documents etc.

1. A total of 12 Number of isolated footing of 12 Numbers has been done in the site on the western side inside the project site.

  
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Chennai-15

  
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Dr. S. MOHAN  
Chennai



2. Construction of compound wall with the hallow blocks on all the four sides of the site is under progress.

3. The proponent letter dated 11.02.2019, it was reported as follows


"We have used on temporary Diesel generator of 62.5 KVA for compound wall construction activities and we have temporary tanks used for storage of water supply. Nearly 15 labours were involved in the compound construction and isolated footing of 12 numbers has been done in the site for the road side compound wall and gate erection".

Whether the above said project, as per the MOEF &CC Notification dated 14<sup>th</sup> September, 2006 and O.M.No.J-11013/41/2006-IA II (I) dated 19.08.2010 is a case of violation.

The letter dated 03.08.2019 was addressed to the Secretary, MoEF&CC based on the above said minutes SEAC and SEIAA. The MOEF&CC has sent the reply to SEIAA vide its letter dated 2/12/2019 stating that "the instant case is a clear case of violation of EIA Notification, 2006". Further, the proponent has furnished letter dated 23/12/2019 with a request for EC.

The proposal was again placed in the 142<sup>nd</sup> meeting of SEAC held on 21.01.2020. After the detailed discussion on the request submitted by the proponent and letter dated 2/12/2019 from MoEF&CC, the SEAC after detailed deliberations decided that the status quo is maintained as per earlier decision taken on the project since it is clear case of violation of the EIA Notification, 2006 and further it is decided to refer the proposal to the SEIAA-TN to address the Government of Tamil Nadu to take credible action against the project proponent for the violation of the provision of Section 19 of the Environment (Protection) Act, 1986 for violation of the EIA Notification, 2006.

The Ministry has issued a Notification vide S.O.804 (E) dated 14<sup>th</sup> March 2017 stated that "In case of project or activities requiring prior Environmental clearance under EIA Notification 2006 from concerned Regulatory Authority are brought for Environmental Clearance after starting the construction work or have under taken expansion modernization and change in product mix without prior Environmental

  
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clearance. These projects shall be treated as case of violations and in such case, even Category B projects which are granted Environmental clearance by the SEIAA constituted under sub section (3) Section 3 of EP Act 1986 shall be appraised for grant of Environmental clearance only by the EAC and Environmental Clearance will be granted at the central level.

As per the above said notification, in cases of violation, action is to be taken against the project proponent by the respective State Government or the State Pollution Control Board under the provision of Section 19 of the Environment (Protection) Act, 1986 and further, no consent to operate or occupancy Certificate will be issued until the project is granted the Environmental Clearance.

The MoEF&CC Office Memorandum No. F.No.Z-11013/22/2017-1A.11 (M) dated 15.03.2018 have issued the following guidelines regarding implementation of Notification S.O.1030 (E): dated 8<sup>th</sup> March, 2018.

- i. The proposals received up to 13 September, 2017 on the Ministry's portal, shall be considered by the EAC or the SEAC / SEIAA in the respective States / UTs, as the case may be, in order of their submission.
- ii. All the proposals of category 'B' projects/activities pertaining to different sectors, received within six months only i.e. up to 13<sup>th</sup> September, 2017 on the Ministry's portal, but yet not considered by the EAC in the Ministry, shall be transferred online to the SEAC / SEIAAs in the respective States / UTs.
- iii. The proposals submitted directly for considering of EC (in place of ToR), shall also be considered on the same lines, in order of their submission on the Ministry's portal.
- iv. All the projects of category 'B' pertaining of different sectors, although considered by the EAC in the Ministry and accorded ToR, shall be appraised for grant of EC by the SEAC / SEIAA in the respective States / UTs.
- v. All projects / activities of all sectors, shall be required to adhere to the

  
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directions of Hon'ble Madras High Court vide order dated 13th October, 2017 while upholding the Ministry's Notification dated 14th March, 2017.

Further the MoEF&CC has issued the additional guidelines regarding implementation of Notification S.O.1030 (E): dated 8th March, 2018 vide its Office memorandum dated 16.03.2018 and extract of the same is submitted as follows,

- a) "2. Pursuant to the Ministry's Notification number S.O.1030 (E) dated 8th March, 2018 regarding consideration of proposals by the Expert Appraisal Committee or the SEAC/SEIAA depending upon the categorization of projects/activities (A or B) listed in the schedule to the Environment Impact Assessment Notification, 2006, the Ministry has issued Office Memorandum on 15<sup>th</sup> March, 2018 (copy enclosed) to operationalize the same.
- b) Hon'ble High Court of Judicature at Madras vide Order dated 14th March, 2018 in WMP Nos.3361 and 3362 of 2018, and WP No.3721 of 2018 in WP No.11189 of 2017, has directed as under:

"24. In this view of the matter, considering that sub-clause (i)(d) of Stage III of paragraph 7(i) of parent notification as contained in item No. 8(a) of the Schedule being housing projects, we deem it necessary to clarify that projects and project proponents falling under category alone shall be governed by the 'public consultation' clause in the parent notification.

*25. With regard to the prayer of MOEF for extension of time for submission of proposals by project proponents, we are of the view that it will serve the ends of justice if time is extended by 30 (thirty) days from the date of delivery of this order in open Court."*

- a) In view of the above orders of Hon'ble High Court, following directions are being issued for compliance with immediate effect: -

1. The project proponents who have not submitted the proposals within the six- month window i.e. up to 13th September, 2017 in pursuance of this Ministry's Notification S.O.804 (E) dated 14th March, 2017, are required to

  
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submit the proposals within 30 days, to the EAC for category A projects or the SEAC/SEIAA in the respective States /UTs for category B projects.

2. The project proponent, who have submitted the proposals on the Ministry's portal after 13th September, 2017, are also required to submit the proposals afresh within 30 days, to the EAC for category A projects of the SEAC/SEIAA in the respective States/UTs for category B projects.

3. The projects/activities pertaining to all sectors, shall be considered as per the directions of Hon'ble High of Judicature at Madras vide Order dated 10 March, 2018 in WMP Nos.3361 and 3362 of 2018, and WMP No.3721 of 2018 in WP No.11189 of 2017.


4. The directions issued vide this Ministry's OM dated 15th March, 2018 shall continue to apply."

The date of the application of the proposal is not falling under the violation window period as mentioned above.

As per the previous office note dated 20.02.2020, it was mentioned that "The SEIAA-TN decided that the project proposal shall be listed as a case involving violations of Environment (Protection) Act, 1986 and the Authority after careful consideration decided to address the Principal Secretary to Government, E&F Department, Government of Tamilnadu to take action against the violation of EIA Notification, 2006 under provision of Environment (Protection) Act 1986."

In the view of above, the letter was addressed to the Principal Secretary to Government, E&F Department, Government of Tamil Nadu to take action against the violation of EIA Notification, 2006 under provision of Environment (Protection) Act 1986 vide Lr.No.SEIAA-TN/F.No:6686/2018 dated: 21.02.2020

The Government, E&F Department, Government of Tamilnadu in letter dated 20.04.2020 has requested the TNPCB to take action against the project proponent M/s. Casa Grande Coimbatore LLP, Coimbatore under the provision of section-19 of Environment(Protection) Act 1986 and send the action taken report to Government.

  
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Based on the above, the Chairman, TNPCB has furnished the reply for the above said subject to the Additional Chief Secretary to Government, Environment and Forest Department, Government of TamilNadu with a copy marked to the Member Secretary, SEIAA-TN vide letter. No. T2/TNPCB/F.8936/CBN/2020 dated 26.08.2020 and extract of the letter is given below. (copy of the same is enclosed for kind perusal.)

“Based on the letter dated 20.04.2020 received from the Government, the project site M/s. Casa Grande Coimbatore was inspected by the DEE, Coimbatore-North on 26.05.2020. For the violation noted, the DEE has issued show-cause notice vide proceeding dated 28.05.2020 under the Environment (Protection) Act, 1986. The unit vide letter dated 04.06.2020 has furnished a reply to the notice. After examining the reply, the DEE has calculated environmental compensation for the violations noted as per the methodology issued by the CPCB and recommended to the Board to impose the same to the unit. Based on the DEE's report the Board has imposed the Environmental Compensation as detailed below:

*The Environmental Compensation is calculated based on the following formula given by CPCB.*

$$EC = PI \times N \times R \times S \times LF$$

*Where,*

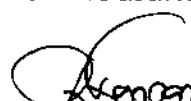
*EC is Environmental Compensation in Rs.*


*PI = Pollution Index of Industrial Cluster = 80 (Red Category)*

*N = Number of days of violation took place = 69 days [03.12.2018 (date of application to SEIAA) to 09.02.2019 (date of SEAC inspection — As per instruction, construction was stopped)]*

*R = A factor in Rupees (Rs.) for EC = 150 (Considering nature of violation) S = Factor for scale of operation = 1.5 (Large scale unit)*

*LF = Location factor = 1.0 (Vilankurichi population is less than one million) EC =  $80 \times 69 \times 150 \times 1.5 \times 1 = \text{Rs. } 12,42,000/-$  (Rupees Twelve Lakhs and Forty Two Thousand only)*

  
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*As per the above calculation, the Project Proponent M/s. Casa Grande Coimbatore was issued with direction under Section 5 of the Environment (Protection) Act, 1986 for remitting Environmental Compensation of amount Rs 12,42,000/- (Rupees Twelve Lakhs and Forty Two Thousand only) for the construction of compound wall and 12 nos. of footing and thereby commencing the project without prior Environmental Clearance vide Board Proceeding dated 14.08.2020 (Copy enclosed). Based on the directions, the Project Proponent vide letter dated 17.08.2020 have remitted the compensation amount of Rs.12,42,000/- copy enclosed). Thus, the Project Proponent has complied with the directions issued by the Board and hence no further need of filing complaint under section 19 of the said Act.*

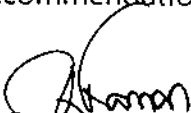
Hence, the Government may address the SEIAA in this regard to examine further for the issuance of Environmental clearance on the application submitted by the Project Proponent."


Accordingly, a clarification was sought & the MoEF & CC has furnished clarification vide letter 22-12/2020-IA.II dated 05.11.2020, stated as follows;

"The Para 13 of the Notification dated 14.03.2017 clearly states that "In cases of violation, action will be taken against the project proponent by the respective State or State Pollution Control Board under the provisions of Section 19 of the Environment (protection) Act, 1986" This implies that both credible action u/s 19 of E(P) Act 1986 and damage assessment, preparation of Remediation Plan, Community and Natural Resource Augmentation Plan etc., form a part of the process provided in the Notification dated 14.03.2017 for handling violation cases.

Further as per the MoEF&CC Notification, 2006 as amended & subsequent office memorandums regarding violation cases, the date of the application of the proposal is not falling under the violation window period or prior to window period.

The proposal was placed in the 420<sup>th</sup> meeting of SEIAA meeting held on 04.02.2020 and the proposal was referred back to SEAC for its specific recommendation. Hence the Proposal was placed in this 202<sup>nd</sup> meeting of SEAC held

  
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on 19.02.2021. The Committee held detailed discussions and decided the following:

- As per the earlier decision taken by the SEAC in its 142<sup>nd</sup> meeting held on 21.01.2020, the SEAC after detailed deliberations decided to maintain status quo that.
  - a. The project is a clear case of violation as per the provisions given under EIA Notification, 2006 and MoEF&CC also confirmed vide its letter dated 2/12/2019 stating that *"the instant case is a clear case of violation of EIA Notification, 2006"*.
  - b. The decision of taking credible action against the project proponent for the violation of the provision of Section 19 of the Environment (Protection) Act, 1986 for violation of the EIA Notification, 2006, stands valid.
- The report of credible action taken by the Government of Tamil Nadu against the unit is awaited.
- As per the MoEF&CC Notification S.O.804 (E) dated 14th March, 2017 for violation projects, the environmental compensation for the violation committed by the Project Proponent needs to be worked out by the proponent or by the NABET consultant on behalf of the proponent and presented to the committee. The Committee noted that this process has not been followed.

Hence the Committee recommends that SEIAA may initiate legal action as per the MoEF&CC Notification S.O.804 (E) dated 14th March, 2017.

The proponent has submitted its request Lr. Dt:01.09.2021 stating as follows

" We wish to inform you that we planned to undertake a Residential Group Development at Survey Numbers: 171/1A1, 172/3 A, 177/3A2, 177/2B, 177/3A3B, 177/3A3C Vilankurichi village, Coimbatore North Taluk, Coimbatore District, Tamilnadu. In this regard, we would like to obtain the Environmental Clearance from State Environmental Impact Assessment Authority, Tamilnadu for the said project and our subject was placed on 123 SEAC meeting held on 22.12.2018. Based on presentation they made site visit on 9.2.2019, and stated that, proposed

  
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project is violation vide SEAC Minutes table agenda number 126-03 and we submitted reply letter on 21.03.2019 stated that our site is a vacant site along with site photographs that only site securing activities compound wall is constructed.

We have paid Environmental Compensation for an amount of Rs.12,42,000 (Twelve lakhs forty two thousand rupees) under Section 5 of the Environment (Protection) Act, 1986 to TNPCB dated: 18.08.2020.

The proposal was placed in 202 SEAC Meeting held on 19.02.2021 and based on the SEAC minutes, the SEIAA communicated a remainder letter to the state government vide its Lr.no. SEIAA-TN/F.No.6686/2012-2 dated:05.04.2021

The state government through TNPCB filed a case against us under the provisions of Section the Environment (Protection) Act, 1986 in the court of Chief Judicial Magistrate Court, Coimbatore; NR No. TNCB0A0125272021 & Filing No. 944/2021; Filing date:02.04.2021.

The Ecological Damage, Remediation Plan and Natural & Community Resource Augmentation Plan and Environmental Compensation done by NABET approved EIA Consultant by Eco Tech Labs Pvt Ltd for category 8 B is enclosed as Annexure 1.

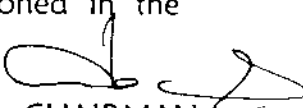
We request SEAC & SEIAA to kindly process our application for environmental clearance and do the needful for issuing the environmental clearance for our project at the earliest."

Also submitted the report on assessment of Ecological damage, remediation plan and natural & community resource augmentation plan due to violation prepared by the NABET consultant as per the guidelines mentioned in the MoEF&CC notifications dated 14.03.2017 and 08.03.2018.

In view of the above, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

The extract from the report of assessment of Ecological damage, Remediation plan and natural & community resource augmentation plan due to violation prepared by the NABET consultant as per the guidelines mentioned in the

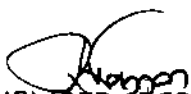
  
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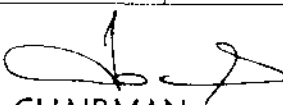
  
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MoEF&CC Notifications dated 14.03.2017 and 08.03.2018 furnished by the proponent is as follows:

**Ecological Damage Assessment:**

S. No.	Ecological Damage Assessment	Remediation Plan	Amount (in Lakhs)
1.	Soil/Land Environment - Exavation Changes in soil quantity Soil degradation overflow of drains due to chocking with soil in rainy season	The excavate top soil will be used for developing green belt within the project site	0.1
2.	Ecology - Site clearance/excavation	No cutting of trees - no loss of native species. The exavated top soil will be used for developing green belt within the project site	
3.	Air Environment Air pollution due to site clearance, excavation, construction activity & operation of DG set.	Isolating the construction area with flexible enclosures Sprinkling water at regular intervals at construction site Proper maintenance of vehicles. Use of low sulphur diesels for transportation and DG sets.	0.1
4.	Water Environment Water degradation due to Site preparation & construction activity. Domestic consumption of water for temporary stay of workers. Domestic sewage management at the construction site. Storm water management.	Water sourced through private tankers. Provision for toilet and discharge of domestic sewage through septic tank & soak pit. Provision of storm water channel for the project site.	0.42
5.	Noise Environment Noise pollution due to movement and operation of	Work time is limited to day time. Use of high standard machineries which	0.07

  
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	equipment/machineries & vehicles & construction activities.	& noise and vibration standards. Provision of enclosures for machineries and protective equipments for workers.	
Total Amount			0.69

**Natural Resource Augmentation Plan:**

S. No.	Natural Resource Augmentation Activities	Amount (in Lakhs)
1.	a) provision additional solar panels lightnings in common areas	0.5
	b) provision of plantation in common areas of Villages	
Total Amount		0.5

**Community Augmentation Plan:**

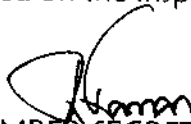
S. No.	Community Augmentation Activities	Amount (in Lakhs)
1.	a) Installation of R.O safe drinking water supply at nearby Government school	0.5
	b) Soft skill development programmes to the nearby community like tailoring, embroidery & scientific agricultural practices etc.	
Total Amount		0.5

**Corporate Environmental Responsibility:**

S.No.	Corporate Environmental Responsibility Activities	Amount(in Lakhs)
1.	I) Vilankurichi Govt. High School at 0.23 km in Vilankurichi (NW), II) Govt. Secondary School Panchayat in 0.12km Kalapatti (SW) III) Govt high school at 0.88 km in Chinnampalayam (NE)	38.22

Total Fund allocated for Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation plan is Rs. 1.69 Lakhs.

Based on the inspection report and the violation notification, the SEAC classified the

  
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level of damages by the following criteria:

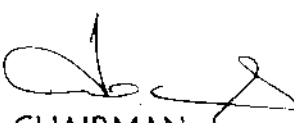
1. Low level Ecological damage:
  - a. Only procedural violations (started the construction at site without obtaining EC)
2. Medium level Ecological damage:
  - a. Procedural violations (started the construction at site without obtaining EC)
  - b. Infrastructural violation such as deviation from CMDA/local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

In view of the above and based on the inspection report & the Ecological damage, remediation plan and natural & community resource augmentation plan furnished by the project proponent, the SEAC after detailed deliberations decided the fund allocation for Ecological remediation, natural resource augmentation & community resource augmentation and CER by following the below mentioned criteria, as per category 1, stated above.

Level of damages	Ecological remediation cost (% of project cost)	natural resource augmentation cost (% of project cost)	community resource augmentation on cost (% of project cost)	CER (% of project cost)	Total (% of project cost)
Low level Ecological damage	0.25	0.10	0.15	0.25	0.75
Medium level Ecological damage	0.35	0.15	0.25	0.5	1.25
High level Ecological damage	0.50	0.20	0.30	1.00	2.00

For the project cost, the proponent has submitted the building valuation report for violated area Dated: 22.09.2021 from the Chartered Civil Engineer membership No:AM163787-0.& Chartered Structural Engineer membership No:CE/ISE/LM/229). In that certificate it is given as follows.

  
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Sl. No	Activity	Value INR (in Crores)
1.	Cost of the violated area - compound wall constructed in the proposed project site	0.34404
2.	Proposed civil construction cost of the project	35.19
3.	Proposed cost of other assets	1.0759
<b>Total</b>		<b>36.60</b>

The Ecological damage, remediation plan and natural & community resource augmentation plan as per SEAC-TN guidelines for calculation of Low - level Ecological damage category

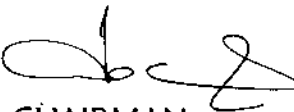
Level of damages	Ecological remediation cost (0.25% of project cost)	natural resource augmentation cost (0.10% of project cost)	community resource augmentation cost (0.15 % of project cost)	CER (0.25% of project cost)	Total (0.75 % of project cost)
Low level Ecological damage considering total cost of the project.	9,15,000	3,66,000	5,49,000	9,15,000	27,45,000

The total cost of Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation cost is Rs. 18.30 Lakhs. (0.5 % of 36.60 Crores) as per SEAC-TN guidelines for calculation for Low - level Ecological damage category is taken up which is greater than the cost arrived by the EIA coordinator is Rs. 1.69 lakhs considering total cost of the proposed project site.

The proponent has stated that they had remitted Environmental compensation under section 5 of the Environment (protection) Act, 1986 of Rs. 12.42 Lakhs to TNPCB.

The proponent has stated that the State government has been initiated the credible action under the provisions of Section 19 of the Environment (Protection) Act, 1986 in

  
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the court of Chief Judicial Magistrate Court, Coimbatore: CNR No. TNCB0A0125272021 & Filing No. 944/2021: Filing date: 02.04.2021.

The SEAC observed that the violation project of proposed construction residential building project S.F.No. 171/1A1, 172/3A, 177/3A2, 177/2B, 177/3A3B, 177/3A3C, Vilankurichi Village, Coimbatore North Taluk, Coimbatore District, Tamil Nadu by M/s. Casa Grande Coimbatore LLP for Environmental Clearance under violation category comes under the "Low level ecological damage category". The Committee decided to recommend the proposal to SEIAA for grant of EC subject to the following conditions in addition to the normal conditions:


1. As per the MoEF& CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.
2. Accordingly, the amount prescribed for Ecological remediation (Rs. 9.15 lakhs), natural resource augmentation (Rs.3.66 lakhs) & community resource augmentation (Rs. 5.49 lakhs), totaling Rs. 18.30 lakhs. Hence the SEAC after detailed deliberations decided to direct the project proponent to remit the amount of Rs.18.30 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the ecological damage remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
3. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.

  
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4. The amount committed by the Project proponent for CER (Rs.38.22 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.
5. The Project proponent shall provide and operate the STP effectively and continuously so as to achieve standards prescribed by the TNPCB for treated sewage.
6. The Project proponent shall utilize the treated sewage for the development of green belt and toilet flushing after achieving the standards prescribed by the TNPCB.
7. As per the MoEF&CC Office Memorandum F. No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities of proposed CER for entire project other than the CER amount of 38.22Lakhs to be remitted before the issue of Environmental clearance as imposed in the condition No.3
8. The project proponent shall develop and furnish photographs of green belt developed incorporating native species adopting Miyawaki scheme inside the proposed project site, excluding the ornamental plants before obtaining the CTO.
9. The project proponent shall furnish revised latest AAQ data & meteorological data pertaining to the proposed project site before obtaining the CTO.
10. The project Proponent shall provide OWC for disposal of bio degradable solid waste. The project Proponent shall operate the same efficiently and continuously for the disposal of the Organic waste generated from the campus. The non-bio degradable waste shall be regularly collected and disposed through TNPCB authorized recycler.
11. The Project proponent shall collect & dispose the hazardous waste through TNPCB Authorized vendors/recyclers as per the Hazardous and other wastes (Movement and Transboundary Movement), Rules 2016.

  
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12. The Project proponent shall collect and dispose the E-Waste through TNPCB Authorized vendors/recycler as per the E-Waste Management Rules 2016.
13. Necessary permission shall be obtained from the competent authority for the drawl/outsourcing of fresh water before obtaining consent from TNPCB.
14. All the mitigation measures committed by the project proponent for the flood management, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
15. Tapping of solar energy should be at least 10% of total energy consumption Solar energy usage mainly for the illumination of common areas, street lighting etc.,
16. The project proponent shall provide separate standby D.G set for the STP proposed for the continuous operation of the STP in case of power failure.
17. Waste of any type not to be disposed of in any water bodies including drains, canals and the surrounding environment.
18. 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) Ac, 1986 as per the EIA Notification dated: 14.03.2017 and amended 08.03.2018.
19. The proponent shall furnish the detail about the built-up area for all the buildings with floor wise to TNPCB every year along with the compliance report for the Environmental Clearance.

However, based on the input from one of the SEAC members, the project proponent has not applied in the Violation window period. Therefore, the applicability of violation window period is applicable (or) not may be decided by SEIAA but also it may be noted that they have not constructed the buildings of any part of the proposed project but only compound wall. Further, the project proponent has remitted Rs.12.42 Lakhs to TNPCB as Environmental compensation under section 5 of the Environment (protection) Act, 1986 and the State government has also initiated the credible action under the provisions of Section 19 of the Environment (Protection) Act, 1986 in the court of Chief Judicial Magistrate

  
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Court, Coimbatore; CNR No. TNCB0A0125272021 & Filing No. 944/2021: Filing date: 02.04.2021.

The committee has also approved the Ecological remediation (Rs. 9.15 lakhs), natural resource augmentation (Rs.3.66 lakhs) & community resource augmentation (Rs. 5.49 lakhs), totaling Rs. 18.30 lakhs need to be paid by the project proponent towards the same.

**Agenda No:234-09**

**(File No: 6729/2019)**

Proposed "Manufacture of Petroleum Base Distillates, De-aromatized Solvents, Alkyd Paint Resin and other allied Chemicals" at Plot No.124 to 126 & 138 to 143, Gummidipoondi Village, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu by M/s. Galada Petrochemicals Pvt. Ltd- For Environmental clearance. (SIA/TN/MIN/49553/2020, dated: 08.01.2020)

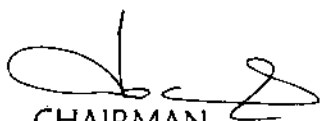
The proposal was placed for appraisal in this 189<sup>th</sup> meeting of SEAC held on 19.12.2020. The details of the project furnished by the proponent is available on the website (parivesh.nic.in). The project proponent gave detailed presentation.

SEAC noted the following:

1. The Project Proponent, M/s. Galada Petrochemicals Pvt. Ltd has applied seeking Environmental Clearance for the proposed "Manufacture of Petroleum Base Distillates, De-aromatized Solvents, Alkyd Paint Resin and other allied Chemicals" at Plot No.124 to 126 & 138 to 143 in Gummidipoondi Village, Gummidipoondi Taluk, Thiruvallur District, Tamil Nadu.
2. ToR issued vide SEIAA-TN/F.No.6729/SEAC/5(e)/ToR-622/ 2019 dated: 17.06.2019.
3. The project/activity is covered under category "B2" of item 5(e) "Petrochemical based processing (processes other than cracking & reformation and not covered under the complexes)" of the schedule to the EIA Notification, 2006.

Based on the presentation made by the proponent and the documents furnished,

  
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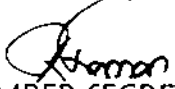
  
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the committee instructed the project proponent to furnish the following details:

1. The project proponent shall furnish the Raw materials used for the individual product along with its storage details.
2. The proponent shall furnish the safety measures proposed for Solvent storage.
3. The Proponent shall propose the scientific mode of disposal of spent solvents and detailed proposal for solvent recovery which is going to be exposed to atmosphere shall be furnished by the project proponent.
4. Study report on Risk Assessment and accident prevention measures shall be furnished.
5. Proposal for Automation of Processes/Operations shall be furnished.
6. LDAR testing shall be done periodically and maintain records.
7. The project proponent shall do the Stoichiometric analysis of all the involved reactions to assess the possible emission of air pollutants in addition to the criteria pollutants, from the proposed project.
8. Detailed report on accident and emergency preparedness to be furnished.
9. Modeling of VOC emission movement in the downwind direction shall be carried out.
10. Report on VOC emissions and control methods proposed precautionary measures to be undertaken for prevention of employees, exposure to VOC emissions.
11. Continuous Assessment of employee exposure to VOC emissions at periodic intervals shall be carried out.
12. Report on Lightning arresters proposed at volatile compounds storage yard shall be furnished.
13. Proposal for Health hazard management and industrial hygiene assessment for the employees.
14. The Proponent shall furnish all the details sought the replies on the points raised in the ToR issued to the unit.

On receipt of the aforesaid details, SEAC would further deliberate on this project and decide the further course of action.

The Project proponent furnished the above said details to SEIAA-TN on 11.02.2021.

  
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The subject was once again placed in the 214<sup>th</sup> SEAC meeting held on 23.06.2021. After detailed discussion the SEAC has decided directed the proponent to furnish revised details, as the details submitted by the proponent were in-appropriate and in-adequate details along with the following:

I) To furnish revised layout plan in regard to safety measures and details of safety measures taken for compliance with guidelines of PESO for the quantity of storage bullets used of solvents in the proposed project site.


The proponent shall circulate the said additional particulars to the members of SEAC for the verification of facts and to check adequacy of detail/reports furnished in regard to the proposed project.

The proponent has submitted additional details vide its Lr. Dt.:26.07.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.


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

1. The project proponent shall maintain the Green belt area not less than 33% of the land area all along the periphery of the unit and maximum green belt shall be maintained in the down wind direction as reported. Selection of plant species shall be as per the CPCB guidelines in consultation with the District Forest Department.
2. The project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.
3. Necessary permission letter for the supply of water shall be obtained from the competent authority before obtaining CTO from TNPCB.

  
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4. The effluent generated from the process should be treated through the ETP to achieve the treated effluent standards prescribed by the CPCB/TNPCB.
5. The proponent shall ensure the zero-liquid discharge.
6. The proponent shall continuously operate and maintain adequate Air-pollution control measures for the process area.
7. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.
8. The proponent shall obtain and maintain valid safety licenses for the concerned department for boiler, solvent/fuel/raw material storage areas, fire, PESO for each product etc.
9. The proponent shall ensure that the area earmarked for the boiler, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO.
10. The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous waste (Management) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.
11. The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
12. A detail report on the safety measure and health aspects including periodical audiometry, pulmonary lung function etc. test reports once in a year for all the workers shall be submitted to TNPCB.

  
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13. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.

14. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

15. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.

**Agenda No: 234-10**

**(File No: 7854/2020)**

**Proposed Rough Stone quarry lease over an extent of 1.50.0 Ha at S.F.Nos. 258 (Block – 7) of Nattarmangalam Village Alathur Taluk, Perambalur District, Tamil Nadu by Tmt.N.Soodamani- For Environmental clearance.**

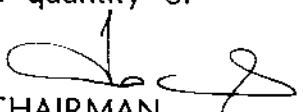
**(SIA/TN/MIN/172748/2020 dated 12.09.2020)**

The proposal was placed for appraisal in this 202<sup>nd</sup> meeting of SEAC held on 19.02.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The project proponent gave detailed presentation of the project. SEAC noted the following:

1. The Project Proponent, Tmt.N.Soodamani has applied seeking Environmental Clearance for the Proposed Rough Stone quarry lease over an extent of 1.50.0 Ha at S.F.Nos. 258 (Block – 7) of Nattarmangalam Village Alathur Taluk, Perambalur District, Tamil Nadu.
2. The project/activity is covered under Category “B2” of Item1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. The production for the five years states that the total quantity of

  
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Chief  
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recoverable as 3,56,611 cu.m of Rough stone & 15,000 cu.m of Topsoil and the ultimate depth of mining is 34m above ground level & 5m below ground level.

Based on the Checklist, presentation and documents furnished by the Project proponent, SEAC held detailed discussions and unanimously decided to seek the Proponent to obtain and furnish a revised letter from AD/Mines detailing all the abandoned/expired quarries present within the 500m radius of the mine, as it is reported in the Checklist forwarded by SEIAA, that many an excavated pit is seen in the Google KML file pertaining to the mine lease area. On receipt of the aforesaid details the committee would further deliberate on this project and decide the further course of action.

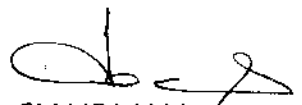
The proponent has submitted additional details vide its Lr. Dt.:12.04.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.


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


1. Restricting the depth of mining to 34m above ground level only and quantity of 3,04,611 cu.m of Rough stone are permitted for mining over five years considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining.
2. The proponent shall form proper benches as per the approved mining plan during the operation of the quarry considering the hydro-geological regime of the surrounding area as well as for safe mining.
3. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.
4. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.

  
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5. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCB once in six months.
6. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be undertaken.
7. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
8. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of atleast 3m width so that at the closure time the trees would have grown well.
9. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
10. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
11. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also the proponent shall undertake re-grassing of the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
12. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
13. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
14. Transportation of the quarried materials shall not cause any hindrance to the

  
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Village people or damage to the existing Village road.


15. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
16. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.
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 monitored by the District Authorities.
18. 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.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
21. All the conditions imposed by the Deputy Director, Geology & Mining, Perambalur District in the mining plan approval and the precise area communication issued by District Collector, Perambalur District should be strictly followed.

Agenda No: 234-11

(File No: 8483/2021)

Proposed Manufacturing Facility for Macromolecule and drugs (Active Pharmaceutical Ingredients & Intermediates) at S.F.Nos.159/2 & 160/1B of Panchanthiruthi Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu by M/s. Levim Lifetech Private Limited – For Environmental Clearance.

(SIA/TN/IND2/204708/2021, dated: 23.03.2021)

  
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The proposal was placed for appraisal in this 217<sup>th</sup> meeting of SEAC held on 06.07.2021. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

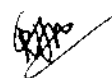
The SEAC noted the following:

1. The project proponent, M/s. Levim Lifetech Private Limited, has applied for Environmental Clearance for the proposed Manufacturing Facility for Macro-molecule and drugs (Active Pharmaceutical Ingredients & Intermediates) at S.F.Nos.159/2 & 160/1B of Panchanthiruthi Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu.
2. The project project/activity is covered under chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)" of the Schedule to the EIA Notification, 2006.
3. Manufacturing for Macromolecule API & Intermediates - 2100 kg/Annum, Conjugated Macromolecules - 900 kg/Annum & Macromolecule Formulations - 5 million.
4. The application has been submitted as per the office Memorandum issued by MoEF& CC vide F.No.F.No.22-25/2020-1A.II dated: 13.04.2020 and as per S.o. 1223(E) dated:27.03.2020, "All proposals for projects or activities in respect of Active pharmaceutical Ingredients (API) received up to the 30th September 2020, shall be appraised as category 'B2' Projects, provided that any Subsequent amendment or expansion or change in product mix, after the 30th September 2020, shall be considered as per the provisions in force at that time."
5. Further, the above period was extended for the up to 31.03.2021 as per the Office Memorandum issued by MoEF& cc vide S.O.3636 (E) dated.15.10.2020 and the PP has submitted the application through online on 19.02.2021.

Hence the committee has taken the project for appraisal.

  
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Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations decided that the project proponent shall submit,

- (i) Village map
- (ii) ETP design details
- (iii) Stoichiometric balance for all the 3 products
- (iv) Solvent recovery system
- (v) Solvent leakage detection system and protection system from hazards/disaster.
- (vi) Emergency plan for evacuation during disaster/hazard occurrence.
- (vii) Risk assessment and environmental management plan for reduction of risk to an acceptable level.
- (viii) 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 as proposed in the CER.

On receipt of the above said details, SEAC would further deliberate on this project and decide the further course of action.

The proponent has submitted additional details vide its Lr. Dt.:18.08.2021.

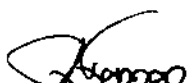
The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

In view of the above the additional details submitted by the proponent, SEAC committee decided that the proponent shall be called for re-presentation in any one of the forthcoming SEAC meeting.

Agenda No: 234-12

(File No: 8031/2020)

Proposed Rough Stone & Gravel quarry lease over an extent of 1.50.0Ha at S.F.No.(582/2P), Maruthoorkurichi Village, Kalkulam Taluk, Kanyakumari District, Tamil Nadu by Thiru. K.M. Benedict Crizal - For Environmental Clearance (SIA/TN/MIN/181659/2020, dated:02.II.2020)

  
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The proposal was placed for appraisal in this 192<sup>nd</sup> meeting of SEAC held on 07.01.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, Thiru. K.M. Benedict Crizal ha, applied seeking Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease over an extent of 1.50.0Ha at S.F.No.(582/2P), Maruthoorkurichi Village, Kalkulam Taluk, Kanyakumari District, TamilNadu.
2. The project/activity is covered under Category "B2" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.

During initial discussions, SEAC noted that the cluster area is above 5 Ha. Hence the Committee directed the Proponent to apply for ToR.

The proponent has submitted additional details vide its Lr. Dt.:16.02.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

The SEAC noted that the proponent has furnished revised 500m radius letter dt: 16.02.2021 from AD, Geology&Mining, Kanniyakumari District but earlier the SEAC vide 192<sup>nd</sup> meeting has directed the proponent to apply for TOR, since the cluster area is above 5 Ha. Hence, SEAC felt that the proponent has furnished inappropriate reply neglecting and the SEAC after detailed deliberations decided to direct the proponent to apply for TOR.

**Agenda No: 234-13**


**(File No: 7286/2019)**

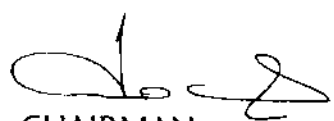
Proposed Rough Stone quarry lease over an extent of 1.00.0 ha in S.F.Nos. 398/IA (Part) of Akkaraipatti Villlage, Rasipuram Taluk, Namakkal District, Tamil Nadu by Thiru. D.Gowrisankar – For Environmental Clearance.

(SIA/TN/MIN/46177/2019. dated 08.11.2019)

The project proposal was placed in the 155<sup>th</sup> SEAC Meeting held on 11.06.2020. The project proponents made detailed presentation.

SEAC noted the following:

  
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1. The project proponent. Thiru. D. Gowrisankar applied for Environmental Clearance for the proposed Rough Stone quarry lease over an extent of 1.00.0ha in S.F.Nos.398/1A (Part) of Akkaraipatti Village. Rasipuram Taluk, Namakkal District, TamilNadu.
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. The production for the five years states that the total quantity of recoverable as 1,02,000 cu.m of Rough stone and the ultimate depth of mining is 40m below ground level.

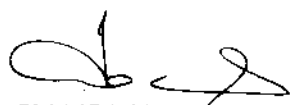
Based on the presentation made by the proponent and the documents furnished, the committee instructed the project proponent to furnish the following details:

1. The project proponent shall conduct and submit hydro geological study on the impact on the nearest two water bodies from a reputed Government institution.
2. Site specific mine closure plan.
3. Detail of the Green belt plan.
4. A detailed post-COVID health management plan for construction workers as per ICMR and MHA guidelines.
5. The project proposal for the CER shall be revised as per the MoEF&CC O.M dated 01.05.2018.

On receipt of the above details from the project proponent, SEAC after detailed deliberations decided to consider the project proposal for appraisal again.

Project proponent furnished the above said details to SEIAA-TN on 15.03.2020. The project proposal was again placed in 167th SEAC held on 04.08.2020. After detail deliberation, the SEAC noted that, project proponent has submitted the irrelevant detail such as Structural strength/stability of the nearby two overhead water tanks instead of carrying out the Hydro-geological study to assess the impact of the proposed mining activity on the nearby two water bodies which are located nearby the proposed mine lease area. Hence SEAC directed the project proponent to furnish the proper Hydro geological study to assess the impact of the proposed mining

  
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activity on the nearby two water bodies which are located nearby the proposed mine lease area.


On receipt of the above details, the SEAC would take further course of action on the project proposal.


The Project proponent furnished details to SEIAA-TN on 23.09.2020. The proposal was once again placed in the 186th SEAC meeting held on 22.11.2020. After detailed deliberations, the SEAC noted that, project proponent submitted Hydro-geological report from Structural Engineering, Department of Civil Engineering, Government College of Engineering Salem. The report had no data or detail for study of the hydro geological features of the site and the impact of the mining activity on the two water bodies situated near the proposed quarry lease. There are no scientific data in the report on the impact of the mining on the nearby water bodies and SEAC after detailed deliberations decided not to accept the report in the present form. The hydro geological report should be obtained from reputed Government institutions such as IIT, Anna University, NIOT etc. and conducted by expert Geophysicist/ground water modeling expert.

On receipt of the above details, the SEAC would take further course of action on the proposal.

The proponent request letter dated 26.02.2021 stating that "The Proponent have approached Government institutions that include Anna University Chennai, NIOT, Chennai & NIT, Trichy requesting them for conducting the hydro geological study as indicated in the 186th SEAC minutes. But the above said institutions, due to their tight academic schedule completing their activities for the present academic year and owing to the COVID-19 pandemic situation, have expressed their inability to undertake the Hydro-geological study at present.

As the above issue is expected to delay for EC application, this in turn will affect my business proposal in a very serious manner. Hence, I request you to kindly permit me to conduct the said Hydro-geological study through an expert team comprising of a

  
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NABET Accredited Hydro-geological Expert. Proponent requested to SEAC to kindly consider request. Geophysicist/ground water modeling expert.

The subject was placed in the 205th SEAC meeting held on 03.03.2019. The SEAC accept the proposal by the proponent that an expert team comprising of a NABET Accredited Hydro-geological Expert would undertake the hydro-geological study.

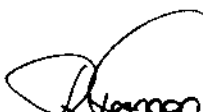
On receipt of the above details, the SEAC would take further course of action on the proposal.


The proponent has submitted additional details vide its Lr. Dt.:16.02.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

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


1. Restricting the depth of mining to 25m ultimate depth below ground level and quantity of 95,000 cu.m of Rough stone are permitted for mining over five years considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining.
2. The proponent shall form proper benches as per the approved mining plan during the operation of the quarry considering the hydro-geological regime of the surrounding area as well as for safe mining.
3. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.
4. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.
5. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCB once in six months.

  
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6. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be undertaken.
7. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
8. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of atleast 3m width so that at the closure time the trees would have grown well.
9. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
10. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
11. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also the proponent shall undertake re-grassing of the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
12. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
13. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
14. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village road.
15. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.

  
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16. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.
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 monitored by the District Authorities.
18. 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.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
21. All the conditions imposed by the Deputy Director, Geology & Mining, Namakkal District in the mining plan approval and the precise area communication issued by District Collector, Namakkal District should be strictly followed.

**Agenda No: 234-14**

**(File No: 7572/2020)**

**Proposed construction of multistoried commercial building in T.S.No. 44/2, 44/3, 45/1 & 46/2 (Old survey no. 2pt, 3pt, 4pt) of Kakapallam Village, Ambattur Taluk, Thiruvallur District, Tamil Nadu by M/s. KVPS Property Developers Private Limited—  
For Environmental Clearance.**

**(SIA/TN/MIS/150663/2020, dated: 05.06.2020)**

The proposal was placed in 170<sup>th</sup> SEAC Meeting held on 13.08.2020. The Project proponent did not attend the appraisal meeting. Hence, SEAC after detailed deliberations decided to defer the proposal. Further, project proponent shall

  
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furnish the valid reason for not attending the meeting to SEIAA.

The project proponent submitted letter dated 22.08.2020, stating that Thiru. Sadayandi Ramesh, Managing Director of M/s. KVPS Property Developers Private Limited was unable to attend the SEAC meeting as he was quarantined due to COVID, and now, he has recovered and will be able to attend the SEAC Meeting.

The proposal was placed in 180<sup>th</sup> SEAC Meeting held on 08.10.2020. The details furnished by the Project Proponent are given in the website of <http://parivesh.nic.in>. Based on the presentation made and the documents furnished by the project proponent SEAC noted the following:

1. Disinfection for the treated Sewage and grey water not included for both in STP and Grey water Treatment plant. Hence, the project proponent shall provide the disinfection for both STP and GWT system and accordingly furnish the revised design details for both STP and GWT system.
2. Water balance shall be revised as per the MoEF & CC guidelines and all the calculation shall be furnished.
3. A clear plan of action for the re-plantation of existing 326 trees in the project site (including proposal to plant, etc.) shall be furnished and accordingly, project proponent shall revise the EMP.
4. OSR land shall be demarcated in the layout plan and entry and exit provision shall be provided for the public access.
5. In the presentation the consultant informed that the proposal consists of office building also. But, the project proponent informed that no office building was proposed. Hence, the consultant shall clearly furnish the proposal in consultation with the project proponent about the above ambiguity. Further, the SEAC felt that the consultant has furnished mislead information.
6. Bio-degradable waste generation would be 1224 kg/day. But during presentation the consultant has informed that the Bio- degradable waste generation is 816 kg/day. SEAC felt that the consultant has furnished

  
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mislead information. The project proponent shall explore the possibility of providing Bio-Methanation plant for the treatment and disposal of 1224 kg/ day Bio-degradable waste as per the Solid Waste Management Rules, 2016.

7. The project proponent shall furnish detailed baseline monitoring data along with prediction exercise for modeling the impact of emissions due to air, Noise and Traffic sources etc.
8. The project proponent shall earmark the greenbelt area with dimension and GPS coordinates for the green belt area along the boundary of the project site (minimum 3m width) and the same shall be included in the layout plan.

After the receipt of the above details, the project proponent shall re-present their case before the SEAC.

On receipt of the said details from the proponent, the subject was placed for appraisal in the 188<sup>th</sup> meeting of SEAC held on 18.12.2020.

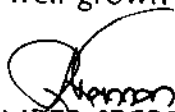
On perusal of the additional details furnished by the proponent, the committee decided to defer the subject and instruct the project proponent to necessarily submit the following details and shall make a re-presentation.

A clear plan of action for the re-plantation of existing 325 nos. of trees at the project site (including proposal to re-plantation, etc.) shall be furnished in consultation with the DFO of the concerned District and accordingly the EMP shall be revised.

On receipt of the aforesaid details and representation made by the Project proponent, SEAC would further deliberate on this project and decide the further course of action.

The project proposal was once again placed in the 195<sup>th</sup> SEAC meeting on 27.01.2021. The project proponent made detailed re-presentation.

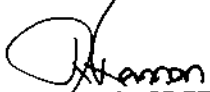
Based on the re-presentation made by the proponent and the reply letter dated 25.01.2021 furnished by project proponent, It is was clear that the project proponent is not willing to replant the trees and they themselves make a commitment that they are well grown developed trees which serves the purpose of absorbing lot of Co<sub>2</sub>


  
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and the clean the environment. Considering the no of trees (326 nos) after detailed debilitations the SEAC after detailed deliberations decided to recommend the proposal to SEIAA for grant of Environmental Clearance subject to the following conditions in addition to standard conditions stipulated by the MoEF& CC

1. The project proponent shall strictly replant 40 Nos Neem trees (326 nos of trees including 40nos of Neem) within the project site and photographs of the same shall be submitted before issuing of EC.
2. The project proponent shall strictly replant the remaining trees (286 nos) on the surrounding area or avenues nearby and if not possible the project proponent has to plant tree saplings in the ratio of 1:10 (preferably the same varieties) and photographs of the same shall be submitted to TNPCB before obtaining CTO.
3. The project proponent shall obtain necessary permission from the competent authority for cutting the trees.
4. The compensatory plantation for the trees cut down shall be implemented in consultation with the DFO of the concern District, Forest Department.
5. The project proponent shall submit affidavit to SEIAA for maintenance of re- planted trees before issue of EC.
6. The project proponent shall continuously operate and maintain the Sewage treatment plant & Grey Water Treatment Plant to achieve the standards prescribed by the TNPCB/CPCB.
7. The height of the stacks of DG sets shall be provided as per the CPCB norms.
8. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premises.
9. The proponent shall earmark the greenbelt area with dimension and GPS coordinates all along the boundary of the project site with at least 3 meters wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum 15% of the total area and the same shall not be used for car

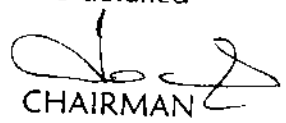
  
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parking.

10. The proponent shall make proper arrangements for the disposal of the excess treated water from the proposed site for Toilet flushing, Green belt development & OSR.
11. The sludge generated from the sewage Treatment plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
12. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
13. The project proponent shall provide entry and exit points for the OSR area, community Hall, play area as per the norms for the public usage as committed.
14. The Proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
15. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.
16. No waste of any type to be disposed-off in any other way other than the approved one.
17. The Proponent shall provide the dispenser for the disposal of Sanitary Napkins.
18. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal etc., shall be followed strictly.
19. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
20. As per the MoEF & CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 & 20.10.2020 the proponent shall furnish the detailed

  
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EMP mentioning all the activities as proposed in the CER and furnish the same before placing the subject to SEIAA.

The subject was placed before the 424th Authority meeting held on 12.02.2021. After detailed discussion, the Authority noted the followings;

1. SEAC has recommended the proposal to SEIAA for consideration of issue of EC subject to the condition that the project proponent shall strictly replant 40 Nos Neem trees (326 nos of trees including 40nos of Neem) within the project site and photographs of the same shall be submitted before issuing of EC.

In this regard, the Proponent vide letter received dated 11.02.2021 stated as follows:

1. They will replant the 40 Nos of Neem trees within the project site before obtaining CTO and photographs of the same will be submitted to SEIAA.
2. Also affidavit for replanting of Neem tress has been submitted by the PP.
3. It is stated that the remaining tress will be cut down with prior permission and the compensatory plantation of 1:10 ratio (Same varieties and native species) will be implemented in consultation with the District Forest Officer.
4. Further the proponent has furnished the affidavit for the CER activities.


Here after detailed discussion, the Authority decided to request the MS/SEIAA to forward the unit's reply to SEAC for their recommendations. The subject was once again placed in the 209<sup>th</sup> SEAC meeting held on 09.04.2021.

After detailed discussion the committee decided the following. Recently, the Supreme Court observed that it would consider laying down a protocol to be followed for projects like road widening which require cutting of trees so that there is minimum damage to the environment. The protocol will be introduced so that there is minimum damage to the environment.

*"Value of a tree is Rs. 74, 500 multiplied by its age: Supreme Court Panel"*

"Setting a guideline on the valuation of trees for the first time in India, a supreme Court – appointed committee said a tree's monetary worth is its age multiplied by

  
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Rs.74,500. Out of this, the cost of Oxygen alone is Rs.45,000. The five-member committee added a heritage tree with lifespan of over 100 years could be valued at more than Rs. 1 crore”.

Hence, it is recommended that the proponent to be asked to pay the damage to be caused due to cutting of trees in their site as per the observations of the Supreme Court.

In this connection, the proponent has submitted reply vide letter dt:24.06.2021 stating as follows;

- 1) "As per the Hon'ble Committee and Authority's suggestion, 40 Nos. Of Neem trees has to be replanted within the project site and submit the proof of re-plantation before issuing of Environmental Clearance. The trees of these proposed site are very deep rooted in phase and the size of the trees are too huge to replant and re-plantation of these existing trees were tedious. Also, due to COVID pandemic situation the machineries for relocation were not available and it acquired abundant time for the relocation of trees.
- 2) As per Hon'ble Committee suggestion, re-plantation of 40 Nos. of Neem trees within the project site has been carried out and the photographs of the same and affidavit on the be maintenance of replanted trees are enclosed. The remaining 286 trees were not cut and remains the same within the site.
- 3) In view of the above, the PP has informed that activities of replantation for the 40 Nos. of neem trees have been carried out as per the 195th SEAC suggestion and requested the Hon'ble Committee not to take any further action as per 209th SEAC Minutes."

In view of the above it is submitted that, the PP has requested to consider the above and to grant Environmental Clearance.

  
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Hence, this proposal was forwarded by SEIAA (refer back) to SEAC so as to take further course of action on the proposal.

The proponent has submitted request vide its Lr. Dt.:09.08.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

In this regard, the SEAC decide to decline the said request sought by the proponent and the SEAC recommends that the proponent has to pay the compensation for the remaining 286 Nos. of trees as per the supreme court guidelines. Also, the committee noted that a total of 326 Nos. of trees of 17 nos. of species of well grown trees that may be very rare to find in the city which may be housing as oxygen supplier as well as CO<sub>2</sub> absorber from the environmental angle.

In view of the above, the SEIAA may take appropriate decision especially in the city keeping in view that cutting of trees deprive the sustainability of ecology in the nearby areas. Also, it may be noted there are 17 species of trees which are very rare to locate in an urban environment.

**Agenda No: 234-15**

**(File No: 7709/2021)**

**Proposed construction of Fishing Harbour in Kauveri waters at S.F.Nos.49/2 in Alamparaikuppam & 23/I, 23/II in Azhagankuppam village, Cheyyar Taluk Chengalpattu & Villupuram District, Tamil Nadu by M/s. Tamil Nadu Fisheries Department – For Environmental Clearance.**

**(SIA/TN/MIS/62222/2021, dated: 30.03.2021)**

The proposal was placed for appraisal in this 217<sup>th</sup> meeting of SEAC held on 06.07.2021. The project proponent gave a detailed presentation. 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, M/s. Tamil Nadu Fisheries Department, has applied for Environmental Clearance for the proposed Construction of Fishing Harbour in Kauveri waters at S.F.Nos. 49/2 in Alamparaikuppam & 23/I, 23/II in

  
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Azhagankuppam village, Cheyyar Taluk Chengalpattu & Villupuram, Chengalpattu & Villupuram Taluk, Chennai District, Tamil Nadu.

2. The project/activity is covered under Category "B1" of Item 7(e) "ports, Harbour Projects" of the Schedule to the EIA Notification, 2006.
3. Terms of Reference issued by SEIAA vide Lr.No. SEIAA-TN/F.No.7709/SEAC/7(e)/ToR-791/2020 Dt:17.10.2020.
4. Minutes of Public hearing conducted on 12.01.2021 (SF.No.23/1 &23/2 (6.69.50ha) of Azhagankuppam Village, Marakanam Taluk, Villupuram District).
5. Minutes of Public hearing conducted on 29.01.2021 (SF.No.49/2 (3.42ha) of Alamparaikuppam Village, Cheyyur Taluk, Chengalpattu District).

Based on the presentation and documents furnished by the project proponent, SEAC noted the PP has not complied with all ToR conditions. Hence the PP shall comply all the conditions and revise the report as,

- (i) The project proponent shall study heavy metals present in the sea water through an accredited lab.
- (ii) The project proponent shall re-design the waste water treatment plant.
- (iii) The project proponent shall re-design the sewage water treatment plant.
- (iv) The project proponent shall submit in writing about the action report in case of oil spillage.
- (v) The project proponent shall revise water balance and the consultant should properly prepare the water balance diagram. The water balance diagram is completely unrealistic and unacceptable.
- (vi) The project proponent shall submit a note on sea animals, tortoise and birds migrating to the site and shall study the effect of fishing harbour operations on these animals.
- (vii) As per the MoEF&CC Office Memorandum F.No. 22-6512017-14.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities as proposed in the CER. On receipt of the above said details, SEAC would further deliberate on this project and decide the further course of action.

  
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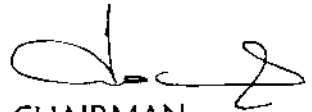
The proponent has submitted additional details vide its Lr. Dt.:16.08.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

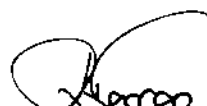
Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations decided to recommend the proposal for the grant of issue of Environmental Clearance subject to the following specific conditions in addition to normal conditions stipulated by MOEF &CC:


1. The project proponent shall adhere to all the conditions stipulated in CRZ clearance issued vide proc.no.p1/525/2020 Dt:15.06.2020.
2. The proponent shall carryout dredging activity only during non-nesting period of turtles.
3. The proponent shall analyze the dredged sediments and to obtain concurrence from the concerned department before utilizing the said dredged sediments for land filling within the proposed project site.
4. The project proponent shall provide adequate capacity of the sewage treatment plant to treat the waste water generated form activities of the proposed fishing harbor activity and to continuously operate and maintain the proposed STP to achieve the standards prescribed by the TNPCB/CPCB.
5. The project proponent shall provide DG set stack height as per CPCB Norms.
6. The project proponent shall measure the criteria regarding ambient air quality and ambient noise data due to proposed activity & traffic in the vicinity of the proposed harbor sites periodically once in a year and submit the report to TNPCB.
7. The total green belt area should be minimum of 33% of the total area and the same shall not be used for vehicle parking.
8. The proponent shall provide proper waste water drain arrangements for the infrastructural facilities of the harbor to STP.
9. The proponent shall provide proper storm water drain & rain water harvesting facilities within the proposed project site.

  
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10. The proponent shall periodically update and adhere to disaster management plans including emergency preparedness plans, storm surge & cyclone management, fire hazard management, oil spill management plan, onsite emergency plans in concurrence with the concerned departments.
11. The project proponent shall periodically conduct risk assessment study once in a year and to frame a guideline to avoid untoward accidents and emergency response mitigation measures for oil spill/ oil leak/discharge of waste water from the vessels due to untoward accidents in regard to improper vessel traffic control and monitoring of the vessels.
12. The project proponent shall periodically conduct awareness programs to the operators/workers of vessels regarding ill effects of improper vessel traffic control, discharge of oil leak/ spill & waste water from vessels & dumping of SWM on marine ecology etc and emergency response activities towards untoward accidents.
13. The sludge generated from the sewage Treatment plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
14. The Proponent shall provide rainwater harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed. The project proponent shall restrict the usage of plastics within proposed harbor adhering to the Plastic Waste Management Rules, 2016 as amended.
15. The project proponent shall allot necessary area for the collection of E-waste and strictly follow the E-Waste Management Rule, 2015, as amended for disposal of the E- waste generation within the premises.
16. The project proponent shall appoint permanent medical officer in the proposed harbor for continuous monitoring the health of construction workers during COVID and Post - COVID period.
17. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Trans-

  
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boundary Movement) Ruler, 2016, as amended for the generation of Hazardous waste within the premises.

18. All the mitigation measures committed by the proponent for the disaster management and to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal, etc., shall be followed strictly.
19. All the mitigation measures committed by the proponent regarding to preservation marine ecology, flora& fauna,turtle etc.
20. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting, etc.
21. As per the MoEF &CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 & 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities, as proposed in the CER and furnish the same before placing the subject to SEIAA.

Agenda No: 234-16

(File No: 6975/2021)

Proposed Rough stone, Jelly & Gravel quarry lease over an extent of 3.92.70 Ha at S.F.No. 192(P), Kasthuriengapuram Part-II Village, Thisayanvilai Taluk, Tirunelveli District, Tamil Nadu by Thiru.C.Sugu - For Environmental Clearance.

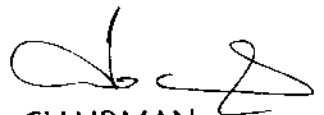
(SIA/TN/MIN/59850/2019 dated: 13.01.2021)

The proposal was placed for appraisals in this 200th meeting of SEAC held on 11.02.2021. The details of the project furnished by the proponent are available on the website (parivesh. nic. in).

The project proponent gave detailed presentation of the project. SEAC noted the following:

1. The project proponent, Thiru. C.Sugu has applied for Environmental Clearance for the proposed Rough stone, Jelly & Gravel quarry lease over an extent of 3.92.70Ha at S.F.Nos. 192(P) of Kasthuriengapuram Part-II Village, Thisayanvilai Taluk, Tirunelveli District, Tamil Nadu.

  
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2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2005.
3. ToR was issued by SEIAA-TN vide Lr. No. SEIAA-TN/F.No .6975/ SEAC/TOR-678/2019 dated 11.12.2019.
4. Public hearing conducted on 15.12.2020. The Minutes of the public hearing received from TNPCB vide dated: 05.01.2021
5. The project proponent submitted EIA report to SEIAA-TN on 13.01.2021
6. Complaints have been received against the proponent.
7. The production for the five years in total quantity of recoverable as 963820 cu.m of Rough stone and 31704 cu.m of Weathered Rock and 34276 cu.m of Gravel for depth of mining is 65m below ground level.

Based on the presentation made and documents furnished by the project proponent, SEAC after detailed deliberations decided the following:

1. To seek the Member Secretary/SEIAATN to write to the Director General of Mines Safety regarding the complaints received by the committee against the Proponent.
2. To assess the present status of the project site by making an on-the- spot inspection of the site by the sub-committee constituted by the SEAC.
3. Proponent shall submit the compliance report for the earlier EC issued to this project site.

On receipt of the compliance report from the proponent the subcommittee of the SEAC will inspect the site. Based on the compliance of the earlier EC and inspection report of the sub-committee, the SEAC will decide the further course of action.

As per the order Lr. No. SEAC-TN/Site inspection/Tirunelveli/2021 dated: 04.03.2021 of the Chairman, SEAC, a Sub-Committee comprising of the SEAC Members constituted to inspect and study the field conditions for the Proposal seeking Environmental Clearance for the existing Rough Stone, Jelly & Gravel quarry by Thiru. C.Sugu in S.F. No. 192 (P) of Kasthuriengapuram Part-II Village, Thisayanvilai Taluk, Tirunelveli District, TamilNadu. The date of the Inspection on 07.03.2021 (Sunday).

  
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Proposed Rough stone, Jelly & Gravel quarry lease over an extent of 3.92.70ha at S.F.Nos. 192(P) of Kasthuriengapuram Part-II Village, Thisayanvilai Taluk, Tirunelveli District, Tamil Nadu was inspected by the sub-committee on 07.03.2021 (Sunday).

#### Sub-Committee Observations

The Sub-Committee held detailed discussions with the proponent present and assessed the prevailing site conditions to collect the factual information and took Photographs of the salient features of the site to get the first-hand information. The photographs of the site taken at the time of site visit are presented.

1. There is no quarrying operation during the visit.
2. The fencing was not done in proper way.
3. The green belt around mines is not existing, however, there are saplings that have been planted very recently within a week's time.
4. It was observed that one of the pits has been closed with the mined- out waste materials.
5. There is no space of 7.5m each from the boundary of each mine and this required space as per mine plan has not been left out. Also there is no proof of permission granted by competent authority for taking up these minerals.
6. The proponent informed that the AD (Mines) has visited about six months back and reported that there is an excess quantity of minerals has been mined out from this mine more than the approved quantity and a fine has been levied for the same. The proponent was instructed to submit the letter from AD(Mines) to this effect as well as proof of payment to the chairman SEAC as well as to the SEIAA office at the earliest and he has also agreed for the same, as he did not have the copy of the same for submission to the subcommittee.

#### Sub-Committee Recommendations

1. Miyawaki scheme of plantation needs to be made surrounding the mine for a minimum width of 7.5m.
2. The road reading to the mine should be made bitumen topped in order to reduce the fugitive emission.

  
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3. After receiving the letter from AD (Mines) the SEAC would decide on further necessary action.
4. All the conditions stipulated in the ECs need to be scrupulously followed both in spirit as well as in terms of implementation.

The inspection report of the sub-committee was placed in the 209th SEAC meeting held on 09.04.2021. However, since the documents from AD mines, Tirunelveli for the quantity of minerals mined out and the actual depth of mining have not been received from the proponent by the SEIAA office, the discussion on this project is deferred to one of the ensuing meeting after the receipt of the same and a note prepared by the concerned Engineer/Scientist.

The Project proponent has furnished the above said details to SEIAA-TN on 19.03.2021 and SEAC observed that the AD(Mines) reported excess quarrying of minerals beyond the approved quantity and a fine of Rs.13,83,976/- has been levied for the same vide District Collector's Notice No. M2/35490-2/209, dated. 19.08.2020. In this regard, the proponent has remitted the said fine vide challan no.50 Dt: 24.08.2020 (submitted receipt of fine remitted).


In view of the above, the proposal was again placed in 212<sup>th</sup> SEAC held on 04.05.2021. Hence the SEAC after detailed deliberations decided to defer the project proposal seeking grant of Environmental clearance and may be placed after ascertaining whether there is a need to assess the Environmental & Ecological damage as per the rules, as the proponent has mined out excess quantity than the stipulated quantity, by the SEIAA authority.

The proposal was placed in 456<sup>th</sup> meeting of SEIAA held on 31.08.2021. After detailed discussions, the Authority decided to refer back the application to SEAC with a request for re- appraisal of the proposal as per the law. Hence, the proposal is forwarded to SEAC for further course of action.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

In this regard, the SEAC has decided to call the proponent for appraisal in any one of the forthcoming meetings of SEAC in regard to assessment of Ecological damage.

  
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Remediation plan and natural & community resource augmentation plan due to violation prepared by the NABET consultant as per the guidelines mentioned in the MoEF&CC Notifications dated 14.03.2017 and 08.03.2018.

Agenda No: 234-17

(File No: 7994/2021)

Proposed construction of Development of industrial Park in S.F. Nos. 17/2,18/1B, 18/2B, 18/3B, 18/5, 18/6, 19/3B, 19/4, 19/5, 20/1, 20/2, 21/1, 21/2, 21/3, 21/4A, 21/4B, 21/5, 22/1, 22/4, 23/1, 23/2, 23/3pt, 24/1, 24/2, 24/3, 25/6, 26/1, 26/2, 26/3, 27/2, 27/3A, 27/3B, 28/1pt, 28/2, 29, 30, 32/1, 32/2, 32/3, 32/4, 32/5, 32/6, 34/1, 35/2,45/1, 45/2A, 45/2B, 45/5, 45/6, 47, 59/2, 83/3B, 101/1B, 101/2B, 102/1, 102/3, 103/2, 113/1, 113/2, 114/1, 115/1, 115/2, 115/3, 115/4, 116/1A, 116/1B, 116/2, 116/3, 116/5, 116/4, 117, 118/1, 118/2, 119, 120/2, 233/2, 242/1, 242/2, 243, 244, 245/1A, 245/1B2, 245/2B, 247, 248/1A, 248/1B, 248/2, 249/1, 249/2, 250, 251, 253/1, 253/2, 254/1A, 254/1B, 254/1C, 254/2, 254/3, 254/4, 255,256/1, 259/1, 260/1, 260/2, 261/1, 261/2, 262/1A2, 262/2A, 262/2B, 266/2B, 267/1B, 267/2, 268, 271/2, 272, 273, 274 of Panapakkam Village & S.F.Nos : 379/1, 379/2A, 380/2, 380/3, 382/2, 383/1A, 383/1B, 383/2, 383/3, 384/1A, 384/1B, 384/3A, 384/3B, 385/1B, 385/2A2, 385/2B, 386/1A, 386/2A2, 392/1C, 392/1E, 392/1H, 392/1E, 392 of Maduravasal Village, Uthukottai Taluk, Tiruvallur District, Tamil Nadu by M/s. Vinplex India Private Limited - For Terms of Reference.

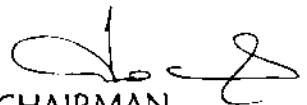
(SIA/TN/MIS/60639/2021, dated: 09.02.2021)

The proposal was placed for appraisal in this 213<sup>th</sup> meeting of SEAC held on 11.06.2021. 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.Vinplex India Private Limited has applied for Terms of Reference for the proposed construction of Development of industrial Park in S.F. Nos. 17/2,18/1B, 18/2B, 18/3B, 18/5, 18/6, 19/3B, 19/4, 19/5, 20/1, 20/2, 21/1, 21/2, 21/3, 21/4A, 21/4B, 21/5, 22/1, 22/4, 23/1, 23/2, 23/3pt, 24/1, 24/2, 24/3, 25/6, 26/1, 26/2, 26/3, 27/2, 27/3A, 27/3B, 28/1pt, 28/2, 29, 30, 32/1,32/2, 32/3, 32/4, 32/5, 32/6, 34/1, 35/2, 45/1,

  
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45/2A,45/2B, 45/5, 45/6, 47, 59/2, 83/3B, 101/1B, 101/2B, 102/1, 102/3, 103/2, 113/1, 113/2, 114/1, 115/1, 115/2, 115/3, 115/4, 116/1A, 116/1B, 116/2, 116/3, 116/5, 116/4, 117, 118/1,118/2, 119, 120/2, 233/2, 242/1, 242/2, 243, 244, 245/1A, 245/1B2, 245/2B, 247, 248/1A, 248/1B, 248/2,249/1,249/2,250,251,253/1,253/2,254/1A,254/1B,254/1C,254/2,254/3,254/4,255,256/1,259/1,260/1,260/2,261/1,261/2,262/1A2,262/2A,262/2B, 266/2B,267/1B,267/2,268,271/2,272,273,274ofPanapakkamVillage&S.F.Nos: 379/1,379/2A,380/2,380/3,382/2,383/1A,383/1B,383/2,383/3,384/1A,384/1B,384/3A,384/3B,385/1B,385/2A2, 385/2B, 386/1A, 386/2A2, 392/1C, 392/1E, 392/1H, 392/1E, 392 of Maduravasal Village, Uthukottai Taluk, Tiruvallur District.


2. The project/activity is covered under Category "B2" of Item 8(b) "Townships and area development Projects" of the Schedule to the EIA Notification,2006.

The project proponent has applied 2 online applications in Parivesh website for issue of TOR vide SIA/TN/NCP/57880/2021, dated:30.10.2020 and SIA/TN/MIS/60639/2021, dated:09.02.2021. Both of these 2 online applications have same offline no.7994 with the same name M/s.Vinplex India Private Limited. In these 2 applications the proponent has withdrawn one application no.57880. In Lr.No.SEIAA-TN/SEAC Communications/2020 dated: 29.12.2020, the SEIAA office while forwarding the file to SEAC for appraisal has given the application no.57880. The same application now as included in the schedule and circulated to committee members for appraisal.

The committee members stated that, though the said application is withdrawn it was placed in today's meeting. When verified with kml file during appraisal, many building are in place in the withdrawn file. The project proponent shall submit reply for EDS raised in the withdrawn file and shall furnish the reason for withdrawing the file. Also the new application no. 60639 in Parivesh portal is not accessible online for scrutiny and appraisal as no record was found in that number.

Further the correct online number was not mentioned in the Agenda. The members

  
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felt that a thorough check on the online numbers need to be done by the Concerned Engineers/Scientists before sending the finalized agenda to all the concerned.

The proposal was again placed in this 220<sup>th</sup> meeting of SEAC held on 20.07.2021 for presentation.


The SEAC committee members before the presentation stated that the said online application No.60639/2021 Dt: 09.02.2021 seeking Environmental Clearance through parivesh website was found to be not accessible to verify the details/mandatory documents pertaining to the application uploaded in the parivesh website. Therefore, the project was not again taken up for the SEAC meeting on 20.07.2021 and the SEAC directed the proponent to rectify the said problem of accessing their application in parivesh website and to communicate the same to SEAC so that the appraisal for the proposed project to be taken up in any one of the forthcoming SEAC meetings.

The proposal was placed for appraisal in this 221<sup>st</sup> meeting of SEAC held on 23.07.2021. The project proponent made an presentation about the salient feature of the project .However, based on the scrutiny of the additional details submitted by the project proponent in online vide project proponent's reply letter dated 18.01.2021, SEAC noted the followings

1. The Environmental clearance was issued for this project site on 15.04.2014 with total built-up area of 44320 sq. meters for the development of ware house.
2. Another Environmental clearance was issued for this project site on 24.02.2015 for the total built-up area of 23973.4sq. meters for the development of ware house.
3. Further one more application was pending at SEIAA office with File No.2659 dated 16.06.2014 .

The EC was already issued to this project site and the present proposal shall come under expansion project. In the office memorandum of MoEF&CC dated 30th May, 2012, the followings were given.

  
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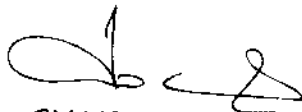
" ....2.It has been now decided that while submitting the application for consideration for grant of environmental clearance of all expansion projects under the EIA Notification, 2006, the project proponent shall henceforth submit a certified report of the status of compliance of the conditions stipulated in the environmental clearance for the ongoing / existing operation of the project by the Regional Offices of the Ministry of Environment and Forests.

3. The status of compliance of the conditions stipulated in the environmental clearance as highlighted in the report(s) will be subsequently discussed by the respective Expert Appraisal Committees during the appraisal of the expansion proposal and duly recorded in the minutes of the meeting. Applications for expansion project received without the compliance status as mentioned in para no.2 above shall not be accepted and placed for consideration before the Expert Appraisal Committees."

Based on the above observations, the SEAC after detailed deliberations decided to direct the proponent to file a fresh application under expansion with the following details,

1. The proponent shall submit the detail of all the consent obtained from TNPCB for this project.
2. The project proponent shall submit a certified compliance report for the conditions stipulated in the environmental clearances dated 15.04.2014 and 24.02.2015 from the competent authority as per the office memorandum of MoEF&CC dated 30<sup>th</sup> May 2012.
3. This project is an expansion project, hence the project proponent shall furnish the existing building details with built up area and the project proponent shall furnish the date of completion for all earlier buildings.
4. The project proponent shall submit a plan on type of industries to be planned in the industrial shed.

  
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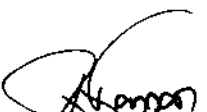
  
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Further the SEAC also requests the SEIAA office to verify the above facts and furnish the detailed note before placing any application related this project namely M/s.Vinplex India Private Limited at Maduravasal Village, Uthukottai Taluk, Tiruvallur District.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021 on considering proponent clarification note cum request letter Dt:13.09.2021 in reply to minutes of 221<sup>st</sup> SEAC meeting as follows

*"We wish to clarify the following points raised by the committee in the 221st SEAC meeting held on 23rd July, 2021.*

- 1. The first Environmental clearance obtained vide Letter No.SEIAA/TN/F.2014 /EC/ 8(a)/283/2013 dated 15.04.2014 with a built up area of 44,320 sq m has been rented out to Hindustan Unilever Limited (HUL). But within six months a new notification S.O.3252(E) dated 22 Dec 2014 stated, the industrial shed does not attract EC and hence the certified compliance report will not be applicable. So we obtained the consent under the orange category from TNPCB and the same has been enclosed.*
- 2. The second Environmental clearance obtained vide Letter No SEIAA/TN/F-3111/EC (8a) /371/2014 dated 24.2.2015 with a built-up area of 23973.4 sq m. The project proposal was dropped due to change in the ownership of the land and there are no construction and facility development activities held at the site. The site photos are hereby enclosed. The EC Validity was ended in 23/02/2020.*
- 3. The third application with the File No.2659 dated 16.06.2014 has been withdrawn vide Letter to SEIAA dated 22.01.2021 and also withdrawn in the parivesh site. As the project was dropped, no activities were carried out and environmental clearance was not obtained. The photos are hereby enclosed.*
- 4. The Industrial Park provides warehousing facilities for multi-national and domestic companies in the logistic services, FMCG, Auto ancillaries, Light Engineering and other sectors. Till date, Vinplex has utilized 45% of the total land area on the proposed Industrial buildings for large clients including Hindustan Unilever Limited, Honda Cars*

  
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India Limited, P.N. Writer & Co private Limited and Toll (India) Logistics Private Limited, all bonded with long term lease contracts.

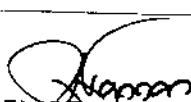
5. Vinplex has decided to develop the Industrial Park including 10 buildings (5 existing and proposed) Existing 5 buildings constructed with prior statutory approvals and TNPCB consents. As per EIA Notification, a facility with industrial sheds and less than 50,000 Sq.m does not require EC clearance We are now expanding the park exclusively for the orange category industries which the total do not require Environmental Clearance neither A or B with the total area of 122.44 Acres (49.54 ha) and total built up area of 203014.04 sq m


7. As per the EIA Notification, 2006 & its amendment, the Industrial Park falls under 7(a), as per Special condition the area is less than 500 ha. but containing building and construction projects 20,000 Sq.mts and or development area more than 50 ha will be treated as activity listed at serial no 8(a) or 8(b) in the schedule, as the case may be.

8. The proposed project with an extent of 122.44 Acres (49.54Ha) which is much lesser than 500 Hectares and however, the total Built-up area will be achieved to 203814.04 Sq.mts, which is more than 1,50,000 Sqmts. Hence, as per the EIA Notification, Vinplex as applied for obtaining ToR for getting Environmental Clearance under 8(b) as B1 Category.

9. The existing building details as presented by proponents are as follows:

Descriptions	Built-up area Sq.m	Date of Completion of Construction
Building 1	10925.39	April 2017
Building 1 Expansion approved	6741.03	
Building 2	7495.26	
Building 2 Expansion approved	7683.42	
Building 3	20850	
Building 3 Expansion	3829.86	

  
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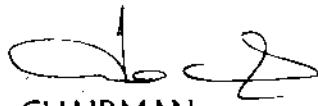
<i>Building 7</i>	<i>3989.23</i>	
<i>Building 10</i>	<i>44320</i>	<i>November 2014</i>
<i>Total</i>	<i>105834.19</i>	

*Hence, we submit only one application file in the Parivesh portal and request you to consider the project in the upcoming SEAC meeting for issuing Terms of Reference."*

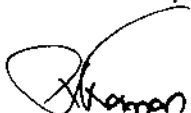
In view of the above, based on the presentation and documents/clarifications furnished by the project proponent, SEAC after detailed deliberations decided to recommend the proposal for the grant of Terms of Reference (ToR), subject to the following ToRs in addition to the standard terms of reference for EIA study and details issued by the MoEF & CC to be included in EIA/EMP report:

1. The proponent shall furnish affidavit stating the following as committed during SEAC meeting
  - a) The proposed development of Industrial Park at Panapakkam Village & Maduravasal Village shall in-house exclusively for warehouses & industries which do not require Environmental Clearance, Neither A nor B.
  - b) The proponent shall furnish break up details of existing and proposed buildings to the proposal with regard to plot coverage area & Built up area of all infrastructural buildings including other facilities such internal road area, OSR area, parking area, green belt area, common STP/ETP etc. in compliance to the proposed development of industrial park *with an extent of 122.44 Acres (49.54Ha) < 50 ha.*
2. *The proponent needs to provide details of the existing buildings and their year of construction. If there is an EC for earlier construction, the compliance report on the same may be provided.*
3. The proponent shall earmark separate area for providing adequate health centre considering nos. of workers in the proposed industrial park.
4. The proponent shall furnish the design details of the STP and Grey water treatment system after revising the water balance.

  
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5. As per G.O. Ms. No. 142 approval from Central Ground water Authority shall be obtained for withdrawal of water and furnish the copy of the same, if applicable.
6. Commitment letter from competent authority for supply of water shall be furnished.
7. Copy of the village map, FMB sketch and "A" register shall be furnished.
8. Detailed Evacuation plan during emergency/natural disaster/unfavorable accidents shall be submitted.
9. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
10. Details of the Solid waste management plan shall be prepared as per solid wastemanagement Rules, 2016 and shall be furnished.
11. Details of the E-waste management plan shall be prepared as per E-waste Management Rules, 2016 and shall be furnished.
12. Details of the Rainwater harvesting system with cost estimation should be furnished.
13. A detailed storm water management plan to drain out the storm water entering the premises during heavy rains period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the waterbodies around the proposed project site & the surrounding development. The storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.
14. The proposed OSR area should not be included in the activity area. The OSR area should not be taken into account for the green belt area.
15. The layout plan shall be furnished for the greenbelt area earmarked with GPS coordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15% of the total land area of the project.

  
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16. Cumulative impacts of the Project considering with other infrastructure developments and industrial parks in the surrounding environment within 5 km & 10 km radius shall be furnished.
17. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
18. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the ground water, emission, noise and traffic.
19. 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 as directed by SEAC in the CER and furnish the same.

Agenda No: 234-18

(File No: 8115/2020)

Proposed construction of shopping mall at S.F.Nos. 358/2B, Mookondapalli Village, Horur Taluk, Krishnagiri District, Tamil Nadu by M/s. Aura Power Private Limited- For Environmental Clearance.

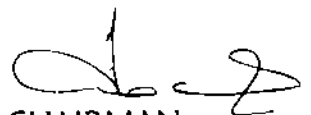
(SIA/TN/MIN/177799/2020, dated: 08.12.2020).

The proposal was placed for appraisal in this 223<sup>rd</sup> meeting of SEAC held on 30.07.2021. The project proponent gave a detailed presentation. 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. Aura Power Private Limited, has applied for Environmental Clearance for the proposed construction of shopping mall at S.F.Nos. 358/2B, Mookondapalli Village, Hosur Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Mining of Minerals Project" of the Schedule to the EIA Notification, 2006.

  
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Based on the presentation and documents furnished by the project proponent. SEAC after detailed deliberations decided that

1. The project proponent shall revive the project cost, following the government approved rate.
2. The project proponent shall re-design the storm water design.
3. The project proponent shall maintain the height of DG set, as per CPCB norms.
4. The project proponent shall submit parking area break up details for carparking
5. The project proponent shall use 10% of solar energy.
6. The EIA Co-ordinator has to be present in the site during Air quality measurements.
7. The EIA Co-ordinator shall re-measure the air quality measurements.
8. Noise reduction measurements may be submitted after including in EMP
9. Analysis of water in the nearby lake may be carried out and result may be submitted.
10. The project proponent shall include the de-silting work, stone patching work in EMP and revise plan accordingly.

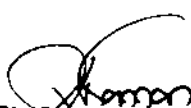
On receipt of the aforesaid details, SEAC would further deliberate on their project and decide the further course of action.


The proponent has submitted additional details vide its Lr. Dt.:06.09.2021.

The proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

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

1. The project proponent shall provide adequate capacity of the sewage treatment plant to treat the Sewage generated from activity of the proposed shopping mall and shall continuously operate and

  
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maintain the proposed STP to achieve the standards prescribed by the TNPCB/CPCB.

2. The project proponent shall measure the criteria ambient air pollutants and ambient noise data due to traffic again before getting consent to operate from TNPCB.
3. The project proponent shall revise DG set stack height as per CPCB Norms.
4. The proponent shall provide total greenbelt area minimum 15% of the total area and the same shall not be used for car parking.
5. The proponent shall make proper arrangements for the disposal of the excess treated water from the proposed site for Toilet flushing, green belt development & OSR.
6. The sludge generated from the sewage Treatment plant shall be collected and de-watered using filter press and the same shall be utilized as manure for green belt development after composting.
7. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
8. The project proponent shall provide entry and exit points for the OSR area, community Hall, play area as per the norms for the public usage as committed.
9. The Proponent shall provide rainwater harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
10. The project proponent shall allot necessary area for the collection of E-waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E-waste generation within the premises.
11. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Trans-boundary Movement) Rules, 2016, as amended for the generation of Hazardous waste within the premises.

  
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12. No waste of any type to be disposed off in any other way other than the approved ones.
13. The Proponent shall provide the disposal facility for the disposal of Sanitary napkins.
14. All the mitigation measures committed by the proponent for the flood management, to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal, etc., shall be followed strictly.
15. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
16. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 & 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities as proposed in the CER and furnish the same before placing the subject to SEIAA.

Agenda No: 234-19

(File No: 8560/2021)

Proposed Integrated Paint manufacturing Industry with a total capacity of 8,75,000 KL/Annum by M/s.Grasim Industries Limited at S.F.Nos. 285/1, 2, 3, 4, 5, 6, 7, 292/1, 2, 294/1, 2, 3, 4, 295/1, 2A, 2B, 2C, 3, 296/2Bpt, 2Cpt, 3pt, 297/1pt, 2Apt, 2Bpt, 2Cpt, 2Dpt, 3Apt, 3Bpt, 296/1A, 1B, 1C, 2A, 2Bpt, 2Cpt, 3pt, 297/ 1pt, 2Apt, 2Bpt, 299, 300pt, 334, 335/ 1, 2A, 2B, 3A, 3B, 4A, 4B, 336, 359/1A, 1B, 2, 3, 353/5Bpt, 5Cpt, 5Dpt, 345/2pt, 348/2A1pt, 2A2, 2Bpt, 2C1, 2C2, 347/1Bpt, 2Bpt, 351/1A1, 1A2, 1A3, 1B, 2,3, 4A,4B,4C, 352/1, 2Apt,2B1, 2B2, 3pt, 4,339/ 4pt, 340/1Apt, 2pt, 353/ 1, 2, 3A, 3B, 4A, 4B, 5A, 5B, 5Cpt, 5Dpt, 354/ 1,2,355, 358, 350/ 2A, 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I of Magajanapakkam Village, Cheyyar Taluk, Thiruvannamalai District, Tamil Nadu - For Environmental Clearance.

(SIA/TN/IND2/66529/2021, dated: 11.08.2021).

The proposal was placed for appraisal in this 215<sup>th</sup> meeting of SEAC held on 29.06.2021. The details of the project furnished by the proponent are given in the website (parivesh.nic. in).

  
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It was noted for this project Auto-ToR has been issued on 23.06.2021. This would have happened under the following conditions as per MoEF notification, OM dated 17th Feb 2020.

- (i) No ToR has been issued by MS SEIAA within 7 days of receipt of application and there are no other environmental issues that have been emphasized.
- (ii) The file has not been transferred to SEAC by the SEIAA office for the appraisal and issue of ToR within 30 days.


The committee felt that the initial scrutiny SEIAA office should be more vigil on this particular aspect so that this kind of lapse will not occur in future.

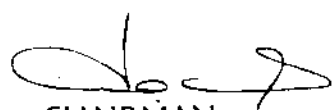
As per rule, Auto ToR was granted to the proponent, hence the committee has not taken up the file for appraisal to issue the ToR.

Based on the above, the proposal was placed in 449<sup>th</sup> Authority meeting of SEIAA held on 24.07.2021.

After detailed discussions, the Authority noted the following:

1. The project is an Integrated Decorative Paints Manufacturing Industry located at Plot Nos. A3/1 (49.77 Acres), A4/2 (60.90 Acres) over an extent of 110.67 Acres, SIPCOT Industrial park, Phase-II, Magajanapakkam Village, Cheyyar Taluk, Thiruvannamalai District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 5(h) - "Integrated Paint Industry".
3. In the 215<sup>th</sup> meeting of SEAC held on 29.06.2021, the SEAC has reported that as per rule Auto ToR was granted, hence the committee has not taken up the file for appraisal in order to issue the ToR.
4. As para 7(II), clause (iv) of EIA Notification, 2006 as amended, The Standard Terms of References shall be issued to the following projects or activities through online mode, on acceptance of application within 7 working days, without referring to EAC or SEAC by the Ministry or SEIAA, as the case may be:
  - a. All Highway projects in Border States covered under entry (i) and (ii) of column (3) and (4) against item 7(f) of the Schedule:

  
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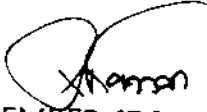
- b. All projects or activities proposed to be located in industrial estates or parks (item 7(c) of the Schedule) approved by the concerned authorities, and which are not disallowed in such approvals; and
  - c. All expansion proposals of existing projects having earlier Prior Environmental Clearance;
  - d. Provided that EAC or SEAC may recommend additional specific Terms of Reference in addition to the Standard ToR, if found necessary, for a project or activity, within 30 days from the date of acceptance of application.
5. In this case, the Auto Terms of Reference is prescribed with public consultation through online dated 23.06.2021, while moving the proposal to SEAC through online and has been sent online to the project proponent.


In view of the above, the Authority decided to request the MS-SEIAA to refer back the proposal to SEAC with a request to furnish additional specific Terms of Reference in addition to the Standard ToR, if found necessary and send the recommendation to committee so as to take further course of action.

Now the project was placed for appraisal in this 233<sup>rd</sup> meeting of SEAC held on 21.09.2021. It was found that,

- 1) The proponent has submitted EC application through online proposal through online vide proposal No. SIA/TN/IND2/66529/2021 dated.11.08.2021 along with the EIA report based on the Auto ToR conditions without conducting public hearing. In this regard, PP has requested for waiving of public consultation stating that, "The proposed project site is located at SIPCOT Industrial Park, Cheyyar for which EC has been obtained under schedule 7(c), category A vide F.No.21-181/2014 IA.III dated.30.09.2016 and requested for the exemption from Public Consultation for the projects/activities located within Industrial Estate parks referring OM No.J-11013/36/2014-IA-I dated 10.12.2014 which states as below.

"This Ministry has received representations from various Industrial Associations on the above said office Memorandum. These representations have been considered by the Ministry. Based on the consideration, the undersigned has been directed to clarify that the exemption from public

  
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consultation, as provided for under para 7(i) III Stage(3)(i)(b) of EIA Notification, 2006 is available to the projects or activities or units located within the Industrial Estates or parks, which were notified prior to 14.09.2006, i.e. the EIA Notification, 2006 coming in to force."

1. The Government has accorded administrative sanction for setting up of an industrial complex at an extent of 600 acres in the first phase in Cheyyar Taluk of Tiruvannamalai District vide G.O.Ms.No.17 Industries (MIG.2) Department dated 13.01.1995. Further the administrative sanction for the expansion activity was issued by the Industries Department vide G.O.Ms.No.281 dated 05.12.2007.
2. Hence the proponent has submitted the EIA report without conducting public consultation. The pp has submitted the compliance report for the Auto ToR generated.

Both the project proponent and EIA Co-ordinator has attended the meeting. The committee noted that, as per OM dated 27<sup>th</sup> April 2018 which states as below,

".... (i) The exemption from public consultation, as provided under para 7(i) III stage (3)(i)(b) of EIA Notification, 2006, to the projects or activities located within the industrial estates or parks, if applicable as under:

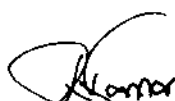
(a) Which were notified by the central Government or the State/UT Governments prior to the said Notification coming into force on 14<sup>th</sup> September, 2006.

(b) Which obtain prior environmental clearances as mandated under the EIA Notification, 2006 [item 7(c) of the schedule to the said Notification]".

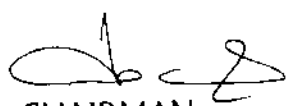
Hence the SEAC decided that, the SEIAA may kindly examine whether Public hearing is required or not, since the Auto-ToR was issued with Public hearing.

The proposal was once again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.


Based on the presentation made and the documents furnished by the Project proponent, SEAC has decided to direct the proponent to furnish additional particulars as follows

  
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R. KANAK  
Member Secretary  
SEAC - TN  
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CHAIRMAN  
SEAC- TN  
Dr. S. MOHAN  
Chairman  
SEAC - TN  
Chennai

1. The administrative Sanction order for expansion of Cheyyar industrial complex by SIPCOT (931.41 ha) was issued vide G.O.Ms.No.281 Dt: 05.12.2007. Further, the Environmental Clearance was issued by MoEF &CC Dt: 30.09.2016 for the development of SIPCOT Industrial Park over an area 931.015 ha for in-housing following industry categories only such as item No. 3 (a) - Metallurgical industries (ferrous & non-ferrous) & item No.5(k) - Induction/Arc/Cupola Furnace of TPH or more. The present proposal of the project proponent is for industry category item No. 5 (h) - integrated paint industry at the above said SIPCOT, Cheyyar which was not covered under Environmental Clearance issued to SIPCOT, Cheyyar Dt: 30.09.2016. Hence, SEIAA shall furnish clarification regarding public hearing required (or) not as per O.M Dt: 27.04.2018 for this proposal, possibly after getting the legal opinion.
2. The proponent shall revise the greenbelt area with dimension and GPS coordinates for the greenbelt area all along the boundary of the project site with at least 3 meters wide and the same shall be included in the layout out plan, totaling to a minimum of 33% of the total area. The green belt area for the project should exclude water bodies periphery.
3. The project proponent shall furnish detailed baseline monitoring data with prediction of quality parameters through modeling the surface water bodies & ground water quality data, ambient/stack air quality data in regard to point/fugitive sources emission & VOCs, ambient noise level and Traffic within 5 km radius of the proposed project site.
4. Cumulative assessment of the impacts from the industries within the 3km radius and the EMP needs to be worked out based on the findings.
5. The proponent shall carry out cumulative impact assessment study for air pollution, water pollution, and noise pollution in the proposed site needs to be carried out considering nearby water bodies and habitations, and EMP needs to be worked out mitigation measures for the same based on the findings of the study.

  
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Member Secretary  
SEAC - TN  
Chennai-15

  
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D. S. MOHAN  
Chairman  
SEAC - TN  
Chennai-15



6. The project proponent shall furnish emergency evacuation & preparedness plan, safety planning study for the worst-case scenario (untoward accidents) considering storage, management (Manufacturing practices) & handling/maintenance of based on MSDS of solvents, products, raw materials, hazardous waste etc& spill over management.
7. The proponent shall furnish rain water harvesting & storm water management including proper storm water drain arrangement & adequate discharge channel along the periphery of the proposed site.
8. Details of sequence of process diagram of each process.
9. Details of stoichiometric analysis, reaction and mass balance of all the products, and the assessment of air pollutants along with its quantity.
10. The proponent shall submit the detailed report on occupational health and Safety precautions for the workers.
11. The project proponent shall submit the expected characteristics of the effluent generated during the processes and the design of the Effluent treatment plant based on those characteristics. The proponent shall furnish the design details of Effluent Treatment Plant (ETP) with the detailed process descriptions.
12. The proponent shall submit the proposal for treatment of sewage and design of the STP.
13. Detailed plan on the protection for the existing water bodies within the premise needs to be worked out and included in the EIA/EMP report.
14. The details about occupational health & safety measures as per OSHA guidelines.
15. The proponent shall furnish details of safety measures proposed for all the process area and fuel/solvent/ hazardous waste storage areas.
16. The risk assessment study presented was not in order. The proponent may assess the risk based on the guidelines of MoEF&CC for Integrated Paint Industry.

  
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17. The Environmental Management Plan (EMP) for the proposed project shall be revised considering the above points and same shall be submitted.

Overall, the EIA/EMP was not found to be in order.

Also, in the 233<sup>rd</sup> SEAC meeting it was decided to get clarification from SEIAA on this matter whether public-hearing is required or not, since the Auto-ToR was issued with Public hearing, and the clarification note is awaited.

Also, during circulation of minutes among SEAC members, the following clarification was sought by one of the SEAC members *"the points regarding the category of industries in the previous expansion EC was not mentioned and the expansion area was also not mentioned. It is also noted that the expansion G.O was issued only in 2007. The present proposal is for a paint company and it was not mentioned whether any provisions are there in the earlier expansion EC for the exemption of conduct of public hearing."*

SEAC after detailed deliberations decided to direct the proponent make a presentation incorporating the replies for all the queries raised in this 234<sup>th</sup> SEAC meeting, for the further course of action on the proposal.


Further, SEAC has unanimously decided to have on-spot site inspection by a Sub-committee to assess the actual environmental settings of the proposed project site as this project is a highly - polluting industry.

Agenda No: 234-20

(File No: 5233/2016)

Expansion of residential building complex project at S.F.Nos.1380/1, 1382, 1383, 1401/97, 1401/22B, 1401/22C, 1401/23A1, 1401/23A2, 1401/23A3, 1401/23B, 1401/24A, 1401/24B, 1401/24C, 1401/24D, 1401/25, 1401/26, 1401/27A, 1401/27B1, 1401/27B2, 1401/28A, 1401/28B, 1401/29A, 1401/29B1, 1401/29B2, 1401/30A, 1401/30B1, 1401/30B2, 1401/31A, 1401/31B1, 1401/31B2, 1401/32, 1401/33, 1401/42B1 & 1485 of Thaiyur B Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu by M/s. PBEL Property Development (India) Private Limited - For Terms of Reference under Violation.

(SIA/TN/NCP/52754/2016, dated:11.04.2016)

  
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The SEAC noted the following:

1. The project proponent, M/s. PBEL Property Development (India) Private Limited has applied for Terms of Reference for the Expansion of residential building complex project at S.F.Nos. 1380/1, 1382, 1383, 1401/97, 1401/22B, 1401/22C, 1401/23A1, 1401/23A2, 1401/23A3, 1401/23B, 1401/24A, 1401/24B, 1401/24C, 1401/24D, 1401/25, 1401/26, 1401/27A, 1401/27B1, 1401/27B2, 1401/28A, 1401/28B, 1401/29A, 1401/29B1, 1401/29B2, 1401/30A, 1401/30B1, 1401/30B2, 1401/31A, 1401/31B1, 1401/31B2, 1401/32, 1401/33, 1401/42B1 & 1485 of Thaiyur B Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 8(a) "Building and Construction Projects" of the Schedule to the EIA Notification, 2006.
3. The Earlier EC obtained SEIAA-TN vide Lr.No.SEIAA-TN/F.2375/EC/8(a)/402/2014 dated: 01.04.2015 for plot area is 167170Sq.m, built-up area is 78051.67Sq.m project comprises of BlockA1- Stilt(Parking)+14 floors-112 units; Block A2 - Stilt(Parking)+14 floors-112 units; BlockB1- Stilt(Parking)+14 floors-84 units; BlockB2- Stilt(Parking)+14 floors-84 units; BlockC1- (EWS)-Stilt(Parking)+11 floors-132 units; Block D1- (Duplex villa-1)-G+2 floors-8 units; Block E1- (Duplex villa-2)-G+2 floors-8 units; Block F1- (Duplex villa-3)-G+2 floors-8 units; Block G1- G8 (villa-1)-G+2 floors-8 units(1 dwelling unit per block x 8 Blocks); Block H1- H8 (villa-1)-G+2 floors-8 units(1 dwelling unit per block x 8 Blocks); Block J1- J12 (Town house-1)-G+2 floors-12 units(1 dwelling unit per block x 12 Blocks); Block K1- K13 (Town house-2)-G+2 floors-13 units(1 dwelling unit per block x 13 Blocks); club house-basement +GF+ First Floor(FF), (Basement + GF + Restaurant, multipurpose hall, Departmental store& day care center, FF- Indoor games) and expected occupancies-3387.
4. Certificated compliance report from MoEF & CC regional office monitoring projectsite on 05.01.2017 stating that,

  
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*"EC has been applied to construct residential buildings on a 167170 Sq.m land with both high-rise buildings and low-rise buildings with a total construction area of 78052 Sq.m.*

*Due to sluggish residential market conditions, the plans to construct the low-rise buildings (villas and row houses) have been shelved. A revised proposal with another 2 high-rise buildings replacing the villas and row houses has been prepared by PBEL and EC for the same has been applied.*

*Construction is being taken up in phases as per market demand.*

*The construction of 4 high-rise buildings total with built-up area of 49117 Sq.m started in April 2015.*

*At present 2 buildings with 194 flats have been completed and 2 more are nearing completion and expected to be completed by April 2017.*


*The 4 high rise buildings with stilt+14 floors are of 2 types: Type 1 has 2 buildings with 112 flats each = 224 flats.*

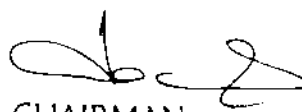
*Type 2 has 2 buildings with 82 flats each = 164 flats Total no. of flats on these 4 buildings are = 388 flats"*

The proposal was placed in the 149<sup>th</sup> SEAC Meeting held on 14.03.2020. The project proponent gave detailed presentation.

It was noted from the checklist submitted from the SEIAA office that the project falls under the normal category, whereas the project proponent during presentation informed that the project falls under violation category and the application was filed prior to the violation notification issued by the MoEF & CC. Hence, the committee decided to clarify from the SEIAA office whether the proponent has filed the application in the violation as per the MoEF & CC guidelines. SEAC after detailed deliberations decided that on receipt of the above details, the proponent would make a presentation for further consideration of the proposal.

The subject was placed in the 406<sup>th</sup> SEIAA meeting held on 21.10.2020 & 22.10.2020. After detailed discussion the Authority decided to request the Member

  
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Secretary to give necessary clarification as requested by SEAC in its 149<sup>th</sup> SEAC meeting and refer back the proposal to SEAC for further course of action.

The subject was once again placed in the 188<sup>th</sup> SEAC meeting held on 18.12.2020. SEAC after detailed deliberations decided that O/o SEIAA shall furnish a detailed note on the history of the project proposal as available in the back files pertaining to the said project such as details of earlier EC etc in this regard and on receipt of the same, the committee will further deliberate on this project and decide the further course of action.

Further, the proponent has stated that based on the MoEF & CC OM dated 15<sup>th</sup> & 16<sup>th</sup> March 2018, wherein the powers have been delegated to the SEIAA/SEAC in the case of 8(a) & 8(b) category projects in the matter of appraisal & accordance of EC and in which the directions were given to SEIAA to accept the proposals with the stipulated window period. As per these aforesaid OM's, we submitted the hard copy application to SEIAA on 18.01.2021. It may be noted that our ToR application was submitted during the said window period, as specified in the recent MOEF & CCs, OM vide F. No. 22-10/2019-IA.III dated 09.09.2019.


In view of the above, the proponent request to consider Terms of Reference (ToR) under violation notification and to consider his proposal for seeking Environmental Clearance.

The proposal was placed for appraisal in this 215<sup>th</sup> meeting of SEAC held on 29.06.2021. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

As per SEAC 188<sup>th</sup> minutes dated 18.12.2020, the concerned Engineer should prepare and submit a note to committee. The concerned Engineer has not submitted the note. Further the SEAC noted that the online application submitted by the project proponent on 27/04/2019.

The Office Memorandum of MoEF & CC dated 09/09/2019 has stated the following.

  
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"..... 4. Further, Ministry vide Notification S.O 1030 (E) dated 08.03.2018 amended the Notification S.O 804 (E) dated 14.03.2017 and delegated the power to the States for appraisal of category "B" proposals which are under violation of EIA Notification.

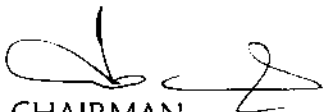
5. Subsequently, the Ministry issued an OM dated 15.03.2018 for the implementation of Notification S.O.1030 (E) dated 08.03.2018. All the category B proposals were transferred to the concerned State Level Environment Impact Assessment Authority (SEIAA).

6. The Hon'ble High Court of Madras vide order dated 14.03.2018 was of the view that it will serve the ends of justice if time is extended by 30 (thirty) days from the date of delivery of the order, thereby extending the time till 13th April 2018, providing time for violators to apply as per the provisions of Notification S.O 804 (E). Therefore, again a one-month window was given from the date of order of Hon'ble High court (14.03.2018-13.04.2018) to submit proposals under violation of EIA Notification. The Ministry has issued OM dated 16.03.2018 for the compliance of the order dated 14.03.2018 of Hon'ble High court of Madras.

7. Proposals involving violation of EIA Notification, which had applied during the window (14.03.2017 to 13.09.2017 & 14.03.2018 to 13.04.2018) under violation category are being considered by the violation committee. However, in addition to such proposals, there were many category A proposals submitted in the respective Sectoral committees for regular appraisal during or prior to violation window period. Sectoral committee while deliberating on the proposals, identified these as violation of EIA Notification. These proposals were subsequently forwarded to the violation committee after approval by the Competent Authority and such proposals are termed as "lateral entry proposals".

8. It is possible that there may be certain category B proposals which were submitted at SELAA during or prior to the violation window period but not under violation category and later during the appraisal by State Level Expert Appraisal committee (SEAC) identified as violation proposals.

  
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9. Now, a decision has been taken in the Ministry that such proposals as mentioned in para (8) above, may be considered in terms of provisions of Ministry's Notification dated 14.03.2017 & 08.03.2018 by the SEIAA. It is clarified that only those proposals may be taken up for consideration under this provision which had been submitted to SEAC during the window or prior to it as detailed above".

With the above, the SEAC after detailed deliberations decided to obtain clarification from SEIAA office whether this application filed before 13/04/2018 and detailed note as requested by SEAC vide 188<sup>1</sup> SEAC minutes of the meeting dated 19/12/2020 may be furnished by the concerned Engineer. On the receipt of the above details, SEAC would decide further course of action.

The Sub-Committee held detailed discussions with the project proponent of the building project M/s. PBEL Property Development (India) Private Limited and visited the project site on August 18<sup>th</sup>, 2021 (Wednesday) to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site and the details are presented below.

#### Observations of the Sub-Committee


The following are the observations by the Sub-Committee Team during field visit on August 18<sup>th</sup>, 2021 (Wednesday) to the project site.

During the discussion with the project proponent at the time of inspection, the following observations were made:


As per the discussion made with the proponent during the Site inspection, it is indicated that EC is granted by SEIAA during April 2015 for 5 Residential Blocks (Blocks A1, A2, B1, B2 & C1 – 5 +14 Floors (each), Club House – B+G+1Floor & 44 Villas and Townhouses for the built-up area is 78,052 Sq.m in the plot area is 1,67,170 Sq.m.

The construction of Blocks A1, A2, B1, B2– 5 +14 Floors (each), Club House – B+G+1 Floor was started as per the accorded EC.

The details of the construction status for the EC obtained Blocks, at the time of inspection indicated as follows:

  
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Mr. [Name]  
Chairman


  
CHAIRMAN  
SEAC- TN

  
[Name]  
[Designation]

Blocks	No of floors	Built up Area (Sq.m)	Status of Construction
Block - A1	S+14 Floors	16,629	Construction completed and occupied (EC obtained vide. Letter no. SEIAA-TN / F-2375 / EC (8a) / 402 / 2014 dt. 01.04.2015, (CTO obtained from TNPCB vide. Proceedings no. T2 / TNPCB / F.0515 / RL / MMN / A&W / 2020 dt. 08.12.2020)
Block - A2	S+14 Floors	16,629	
Block - B1	S+14 Floors	10,572	
Block - B2	S+14 Floors	10,572	
Club House	B+G+1 Floor	2,116	
Sub Total (Completed Blocks)		56,518 Sq.m	
Block - B3	S+14 Floors	10,496	Civil works completed and thus comes under violation category (due to change in product mix from Villas to apartment blocks)
Block - B4	S+14 Floors	10,496	
Utility area (STP, OWC Room, Security Room)		150	
Sub Total (remaining Blocks)		21,142 Sq.m	
Total		77,660 Sq.m	

Further, the proponent had revised the master plan i.e replacing 44 Nos. of villas & townhouses into 4 additional Multi-storied Residential Blocks namely Block B3, B4, E1 & E2 – S + 14 Floors (each)

  
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The proponent also submitted the EC expansion proposal for Block A1, A2, B1, B2, B3, B4, E1 & E2 - S + 14 Floors (each) vide proposal No. SIA/TN/NCP/52754/2016 for the built up area of 93,075.26 Sq.m.

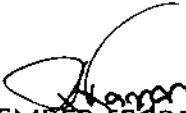
The proponent informed the following:


- The construction of Blocks B3- S+14 Floors & B4 - S+14 Floors was started due to business pressure without obtaining Environmental Clearance.
- Among the EC obtained Blocks, Blocks A1, A2, B1, B2- S +14 Floors (each), Club House - B+G+1 was completed and currently occupied.
- The proponent informed that the proposal (SIA/TN/NCP/52754/2016) falls prior to the window period as mentioned in the MOEF&CC's OM dated 09.09.2019.
- In Blocks B3 & B4 - Civil Works (S+14 Floors) in both floors completed
- The Organic Waste Converter & Sewage Treatment Plant is in place and is under operation.
- Greenbelt is not adequately developed at the project site.

The proponent informed that at present completed and occupied blocks (A1, A2, B1, B2 & Club House) totals to the tune of 56,518 Sq.m of total built-up area and the construction of remaining Blocks B3 & B4 totals to the tune of 21,142 Sq.m of total built-up area. These sum up to a total built up area of 77,660 Sq.m which is less than the total built up area of Environmental Clearance obtained earlier (78,052 Sq.m) during April 2015. In spite of the above the violation is due to the change in the product mix for which the EC was obtained earlier.

In addition, the Sub-Committee sought the following information from the project proponent:

- The copy of the approval/status of approval of the building plan by competent authority for all the blocks
- The layout plan shall be furnished for the greenbelt area earmarked with GPS coordinates by the project proponent on the periphery of the site. The green belt area should not be less than 27% of the total land area of the project as committed by the proponent and accordingly the plan may be revised.

  
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- Commitment letter from Local Body for supply of water shall be furnished.
- In the MoEF&CC PARIVESH Portal, Online status of the proposal under consideration (SIA/TN/NCP/52754/2016) during the time of inspection is indicated as "Delisted". The current status shall be verified and reported.


### RECOMMENDATIONS



The Sub-Committee submit the inspection report to SEAC for the further course of action regarding the proposal of the Proposal seeking Terms of Reference under violation for the expansion Construction of residential cum commercial development by M/s. PBEL Property Development (India) Private Limited at S.F.Nos. 1380/1, 1382, 1383, 1401/97, 1401/22B, 1401/22C, 1401/23A1, 1401/23A2, 1401/23A3, 1401/23B, 1401/24A, 1401/24B, 1401/24C, 1401/24D, 1401/25, 1401/26, 1401/27A, 1401/27B1, 1401/27B2, 1401/28A, 1401/28B, 1401/29A, 1401/29B1, 1401/29B2, 1401/30A, 1401/30B1, 1401/30B2, 1401/31A, 1401/31B1, 1401/31B2, 1401/32, 1401/33, 1401/42B1 & 1485 of Thaiyur B Village, Thiruporur Taluk, Chengalpattu District, Tamil Nadu.

In view of the above, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations decided to recommend the proposal for the grant of Terms of Reference (ToR) under violation, subject to the following ToRs are in addition to the standard terms of reference for EIA study and details issued by the MoEF&CC to be included in EIA/EMP report:

1. The project proponent shall submit the 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 the 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)

  
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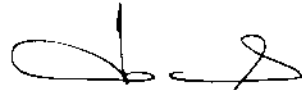


Act,1986, accredited by NABET or a laboratory of Council of Scientific and Industrial Research Institutions working in the field of Environment.

2. The proponent shall furnish a table depicting a time line of construction shall be submitted.
3. The proponent shall furnish the design details of the STP and Grey water treatment system after revising the water balance.
4. The project proponent shall revise over all water balance and shall reuse the treated grey water.
5. The proponent shall furnish operational history of STP for last 4 years.
6. The proponent shall submit revised plan approval from DTCP.
7. The proponent shall measure air quality and mitigation measures.
8. The project acquires many water channels and hence the proponent shall submit all the GO copies for land conversion.
9. As per G.O. Ms. No. 142 approval from central Ground water Authority shall be obtained for withdrawal of water and furnish the copy.
10. Commitment letter from CMWSSB for supply of water shall be furnished.
11. Copy of the village map, FMB sketch and "A" register shall be furnished.
12. Detailed Evacuation plan during emergency/natural disaster shall be submitted.
13. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
14. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
15. Details of the E waste management plan shall be prepared as per E waste management Rules, 2016 and shall be furnished.
16. Details of the Rainwater harvesting system proposed should be furnished.
17. A detailed storm water plan to drain out the storm water entering the premises during heavy rainy period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the surrounding development. The storm water drain shall be designed in

  
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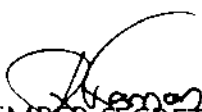
accordance with the guidelines prescribed by the Ministry of Urban Development.


18. The proposed OSR area should not be included in the activity area. The OSR area should not be taken into account for the green belt area.
19. The layout plan shall be furnished for the greenbelt area earmarked with CPS coordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15% of the total land area of the project.
20. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting, etc. A detailed plan regarding the same should be part of EIA/EMP report.
21. Cumulative impacts of the Project considering with other infrastructure developments in the surrounding environs shall be furnished.
22. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
23. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the Emission, Noise and Traffic.
24. The details of Rain Water Harvesting Plan with cost estimation shall be furnished.
25. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.

**Agenda No: 234-21**

**(File No: 7408/2021)**

**Proposed Expansion of residential cum commercial development at S.F.Nos.19/6A1, 19/6A2, 19/6A3, 19/6B1, 19/6B2, 20/2B, 20/3, 20/4A, 20/4B, 20/4C, 20/5A1, 20/5A2,**

  
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20/5B1, 20/5B2, 37/6A, 37/7, 37/8, 37/9, 364/1B2, 365/1B1 Vengaivasal Village, Sholinganallur Taluk, Kancheepuram District, Tamil Nadu by M/s. Navin Housing & Properties Pvt. Ltd For Environmental Clearance.

(SIA/TN/MIN/130857/2019, dated: 29.01.2020).

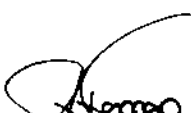
The proposal was already placed in 157<sup>th</sup> SEAC Meeting held on 20.06.2020. The details of the project furnished by the proponent are enclosed as Annexure.

The SEAC noted the following:

1. The Proponent, M/s. Navin Housing & Properties Private Limited, has applied for Environmental Clearance for the proposed construction of 1400 multi-storied tenements at S.F.Nos. 19/6A1, 19/6A2, 19/6A3, 19/6B1, 19/6B2, 20/2B, 20/3, 20/4A, 4B, 20/4C, 20/5A1, 20/5A2, 20/5B1, 20/5B2, 37/6A, 37/7, 37/8, 37/9, 364/1B2 & 365/1B1 in Vengaivasal Village, Sholinganallur Taluk, Kancheepuram District, TamilNadu.
2. The project/activity is covered under Category "B2" of Item 8(a) "Building and Constructions Projects" of the Schedule to the EIA Notification, 2006.
3. The project proponent has earlier obtained Environment Clearance for the construction of residential cum commercial development at S.F.Nos. 19/6A1, 19/6A2, 19/6A3, 19/6B1, 19/6B2, 20/2B, 20/3, 20/4A, 20/4B, 20/4C, 20/5A1, 20/5A2, 20/5B1, 20/5B2, 37/6A, 37/7, 37/8, 37/9, 364/1B2 & 365/1B1 in Vengaivasal Village, Sholinganallur Taluk, Kancheepuram District for a total built up area of 99,542.64 Sq.m vide SEIAA Lr.No.SEIAA/TN/F.No.864/EC/8(a)/219/2013 dated 26.09.2013.
4. The project proponent has furnished certified copy of the compliance report obtained from the Regional office, MoEF&CC, Chennai vide F.No.EP/12.1/2019-20/SEIAA/19/TN/1160 dated 18.07.2019.

Based on the presentation and the certified compliance report, the committee observed that the proponent has not complied most of the EC conditions such as,

1. The project proponent has not obtained Consent to Establishment from the TNPCB.

  
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2. The project proponent shall not occupy & construct any structure or utilize the land bearing S.F.No.37/9,20/5B2,19/6B1 & 19/6B2 for any of its building activity. The proponent has not furnished any photographing evidence for the same.
3. The details & Status of the STP constructed as per the EC have not been furnished.
4. For the Bio degradable waste generation OWC has not been provided.
5. For the many of EC conditions it was reported that 'agreed to comply' only for which action taken to comply or actual status of compliance has to be furnished.


In view of the above, the SEAC has decided to defer the proposal with a direction to resubmit the proposal along with certified compliance obtained from the competent authority after fully complying all the EC conditions.


The project proponent has submitted its reply to SEIAA office on 10.02.2021.

The proposal was again placed for appraisal in this 223<sup>rd</sup> meeting of SEAC held on 30.07.2021. The project proponent gave a detailed presentation. All the queries raised have been answered satisfactorily. Since it is an expansion project, the SEAC committee decided that a sub-committee shall visit the site to access the current status of the project.

On receipt of the site visit report, the SEAC would further deliberate on this project and decide the further course of action.

The Sub-Committee visited the project site M/s. Navin Housing & Properties Private Limited at Vengaivasal Village, Sholinganallur Taluk, Kancheepuram District on August 18th, 2021 (Wednesday) to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site and held detailed discussions with the project proponent of the building project and the details are presented below.

  
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### Observation of the Sub-Committee

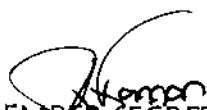
The following are the observations by the Sub-Committee team during field visit on August 18<sup>th</sup>, 2021 (Wednesday) to the project site.


During the discussion with the project proponent at the time of inspection, the following observations were made:

- The EC was obtained during September 2013 for the built-up area of 99.543 Sq.m which includes 8 Residential Blocks – A1, A2, A3, A4, A5, A6, B1, B2 - B+S+14 Floors (each), Commercial Block - B+G+3 Floors, Model Flat - G+1 Floor & Club House - B+S+3 Floors.
- The Construction of Blocks B1, B2, A1, A2 & A6, Commercial Block, Model Flat (Commercial Block 2) & Club House have been completed and are in operation after obtaining CTO from TNPCB.
- The proponent now submitted the EC expansion proposal due to revision in master plan i.e. 3 Residential Blocks A3, A4 & A5 (B+ S + 14 Floors) is revised to 2 Residential Blocks A3 & A4 – (B + S + 21 Floors)
- The EC Expansion proposal submitted is for the built up area of 1,45,910 Sq.m which includes Block A1 - B+S+14 Floors, Block A2 - B+S+14 Floors, Block A6 - A2 - B+S+14 Floors, Block B1 - B+S+14 Floors, Block B2 - B+S+14 Floors, Block A3 - B+S+21 Floors, A4 - B+S+21 Floors, Commercial Block 1 - B+G+3 Floors, Commercial Block 2 (Model Flat) - G+1 Floor & Club House - B+S+3 Floors.

At the time of inspection, the following is the status of construction

Block Name	No. of Floors	Built up area in Sq.m	Status of construction
Phase 1			
Block B1	B+S+14 Floors	34,666	Construction completed and occupied  (EC obtained vide. Letter no. SEIAA / TN / F.864 / EC/8(a)/219 / 2013 dt.
Block B2	B+S+14 Floors		

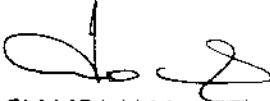

  
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Commercial Block 1	B+G+3 Floors		26.09.2013.  (CTO obtained from TNPCB vide. Proceedings no. T2 / TNPCB / F.3064MMN / RL / MMN / A&W / 2021 dt. 27.01.2021)
Commercial Block 2 (Model Flat)	G+1 Floor		
Phase 2			
Block A1	B+S+14 Floors	49,511	
Block A2	B+S+14 Floors		
Block A6	B+S+14 Floors		
Club House	B+S+3 Floors		
Phase 3			
Block A3	B+S+21 Floors	61,733	Applied for EC under expansion category Yet to start the construction
Block A4	B+S+21 Floors		
Total		1,45,910 Sq.m	-

- Consent to Operate approval has been obtained from the TNPCB for the completed Blocks. (Phase I & II Blocks)
- The Biodegradable waste is segregated and treated in the Organic Waste convertor. The Non-Biodegradable waste is handed over to local body
- The Rainwater harvesting pits and drains are installed around the completed blocks of the project

  
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- The surplus canal running across the S. No. 37/9, 20/5B2, 19/6B1 & 19/6B2 is free from any building activity and found to be choked at different places. It was informed that surplus water from the upstream tank would be diverted through this channel to the downstream tanks during rainy season.
  - Greenbelt area is found to be not fully developed. No native plantation has been carried out in the project.
  - The Existing STP caters the sewage of existing blocks. The grey water treatment plant is proposed to for the newly proposed A3 & A4 blocks (expansion).
  - The solar panels of 110 KW is installed in the terrace of the completed blocks.
- The Spent oil is stored in the isolated, covered and fenced facility.


In addition, the Sub-Committee sought the following information from the project proponent:

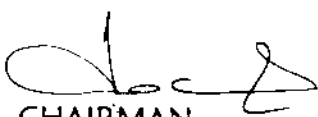
- The greenbelt layout plan shall be furnished incorporating the native plantation earmarked with GPS coordinates by the project proponent on the periphery of the site. The green belt area should not be less than 15% of the total land area of the project.
- Solar Panel Capacity to be installed in the proposed blocks to be furnished
- STP Adequacy Report of the Existing STPs shall be furnished.
- The dimensions of the water channel (Canal) as per the original PWD memoir issued to be furnished.

### RECOMMENDATIONS

The Sub-Committee submit the inspection report to SEAC for the further course of action regarding the proposal of the Proposal seeking Environmental Clearance for the expansion Construction of residential cum commercial development by M/s. Navin Housing & Properties Private Limited at S.F.Nos. 19/6A1, 19/6A2, 19/6A3, 19/6B1, 19/6B2, 20/2B, 20/3, 20/4A, 4B, 20/4C, 20/5A1, 20/5A2, 20/5B1, 20/5B2, 37/6A, 37/7, 37/8, 37/9, 364/1B2 & 365/1B1 in Vengaivasal Village, Sholinganallur Taluk, Kancheepuram District, Tamil Nadu.


In view of the above, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

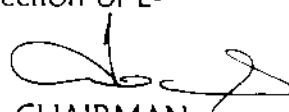
  
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Based on the presentation made and the documents furnished by the Project proponent, SEAC after detailed deliberations decided to recommend the project proposal to SEIAA for grant of Environmental Clearance subject to the following conditions. In addition to standard conditions stipulated by the MoEF & CC:

1. The project proponent shall provide adequate capacity of sewage treatment plant & Grey Water Treatment plant as committed to achieve the standards prescribed by the TNPCB/CPCB.
2. The proponent shall make proper arrangements for the disposal of the treated sewage and grey water from the proposed site for toilet flushing & green belt development.
3. The sludge generated from the sewage Treatment plant shall be collected and dewatered using filter press and the same shall be utilized as manure for green belt development after composting.
4. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
5. The project proponent shall measure the criteria air pollutants data due to traffic again before getting consent to operate from TNPCB.
6. The project proponent shall provide adequate DG set stack height as per CPCB Norms.
7. The project proponent shall provide adequate capacity of organic waste convertor for the food waste within the project premises and the compost shall be utilized for developing green belt area.
8. The project proponent shall adhere to the conditions stipulated in the PWD NOC issued regarding inundation point considering 2015 flood level.
9. The project proponent shall obtain the necessary authorization from TNPCB and strictly follow the Hazardous & Other Wastes (Management and Trans-boundary Movement) Ruler, 2016, as amended for the generation of Hazardous waste within the premises.
10. The project proponent shall allot necessary area for the collection of E-

  
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waste and strictly follow the E-Waste Management Rule, 2015, as amended for disposal of the E-waste generation within the premises.

11. The proponent shall earmark the greenbelt area with dimension and GPS coordinates all along the boundary of the project site with at least 3 meters wide and the same shall be included in the layout out plan to be submitted for CMDA/DTCP approval. The total green belt area should be minimum of 15% of the total area and the same shall not be used for car parking.

12. The Proponent shall provide rainwater harvesting sump of adequate capacity for collecting the runoff from rooftops as committed.

13. The proponent shall provide adequate storm water management provisions within the project site as committed.

14. The Proponent shall submit commitment letter for details of Solar power utilization, CER activities, & disposal of E- Waste to TNPCB authorized within the state for the proposed project site.

15. All the mitigation measures committed by the proponent for the flood management and to avoid pollution in Air, Noise, Solid waste disposal, Sewage treatment & disposal, etc., shall be followed strictly.


16. The project proponent shall provide entry and exit points for the OSR area, community Hall, play area as per the norms for the public usage as committed.

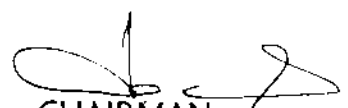
17. The project proponent shall furnish commitment for post-COVID health management for construction workers as per ICMR and MHA or the State Government guidelines as committed for during SEAC meeting.

18. The project proponent shall appoint permanent medical officer in the project site for continuous monitoring the health of construction workers during COVID and Post - COVID period.

19. The Proponent shall provide the dispenser for the disposal of sanitary

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20. Solar energy application should be at least 10% (or) upto 15% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting, etc.

21. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.

Agenda No: 234-22

(File No: 7808/2021)

Proposed expansion of API unit with production capacity of 88.99MT/Month to 96.40MT/Month by M/s. Malladi Drugs & Pharmaceuticals Limited Unit-3 at plot no. 6A, 7A, 7B & 7C, SIPCOT industrial complex, Ranipet, Wallajah Taluk, Ranipet District, Tamil Nadu –for Environmental Clearance


(SIA/TN/IND2/167689/2020, dated: 13.08.2020)

The proposal was placed in this 201<sup>st</sup> SEAC Meeting held on 12.02.2020. 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, M/s. Malladi Drugs & Pharmaceuticals Limited Unit-3 has applied for Environmental Clearance for the proposed expansion of API unit with production capacity of 88.99MT/Month to 96.40MT/Month at plot no. 6A, 7A, 7B & 7C, SIPCOT industrial complex, Ranipet, Wallajah Taluk, Ranipet District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the project proponent and the documents


  
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furnished, the SEAC instructed the project proponent to furnish the following details:

1. The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meters wide and the same shall be included in the layout out plan, totaling to a minimum of 15% of the total area.
2. 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 as proposed in the CER.
3. The proponent shall carry out the Risk Assessment Study based on the MSDS of the individual chemicals during handling/Solvent storage/Storage of chemicals.
4. The proponent shall submit the detailed report on Occupational Health and Safety precautions for the workers.
5. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the VOC Emissions and model the same.
6. The project proponent shall obtain necessary permission from PWD Department for the extraction of Ground water.
7. The project proponent shall submit the characteristics of the Effluent generated during the processes and the design of the treatment plant based on those characteristics.
8. The proponent shall furnish the stoichiometric balance of the materials (Mass balance & Molar Balance).
9. The proponent shall submit the proposal for treatment of sewage and design of the STP.
10. The proponent shall furnish the design details of Effluent Treatment Plant (ETP) with the detailed process descriptions.
11. The proponent shall furnish performance of ETP for the past 2 years and TNPCB data on exceedance of parameters.
12. The project proponent shall furnish the study on Industrial Hygienic Survey.

  
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fire safety and furnish the detailed report on health safety management for the employees.

13. The project proponent shall furnish health condition of the employees for the past 2 years.
14. The project proponent shall furnish about accident occurred previously and the action taken report of the same.
15. The Environmental Management Plan (EMP) for the proposed project shall be revised considering the above points and same shall be submitted.

It was also decided to make a site-visit by the sub-committee members of SEAC so as to assess the present status of the project site, since it is an expansion project.

On receipt of the above details, the SEAC after detailed deliberations decided to direct the proponent make a re- presentation for the further course of action on the proposal.

In this connection, the Sub-Committee held detailed discussions with the project proponent of the M/s. Malladi Drugs & Pharmaceuticals Limited and visited the project site on July 24, 2021 (Saturday) to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site and the details are presented as Annexure.

#### OBSERVATION OF THE SUB-COMMITTEE


The general manager made a detailed presentation about the processes, pollution control Measures and the environmental mitigation activities. The following are the observation and suggestions by the members of the Sub-Committee, SEAC.


1. The Proponent is planning for an expansion of API unit with the production capacity of 88.99MT/Month to 96.40MT/Month. Some of the existing API are going to be discontinued in production and additional APIs are proposed in the expansion plan.

  
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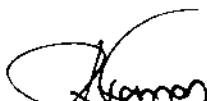
  
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2. The water requirement for expansion proposal is not commiserative with the increase in production and necessary justification needs to be made by the proponent.
3. GreenBelt:
- a. The total area is 38420Sq.m and proponent green belt maintained as per the report is 10024.47Sq.m (26.09%) the proponent may be requested to increase the area under green belt to A 12679Sq m (33%) or more.
- b. The total no. of trees planted inside the premises is 187 whereas about 4500 trees have been planted outside the premises. The species planted inside the premises are Neem, Pungan, Peepal, Eucalyptus, Gulmohr, Puvarsu, Mango, Ashoka, Guava and Iluppai. The species planted outside the premises are Teak, Neem, Pungan, Peepal, Banyan, Eucalyptus, Gulmohr, Ner mardhu, and Kodukkapuli.
- c. The main purpose of having green belt in industries is to control air and noise pollution. The trees planted should help in tapping particulate matter removing pollutants from air and improve the air quality by releasing oxygen.
- d. Green belt must be provided all along the boundary by planting tall evergreen trees with large canopy. Hence, the proponent is directed to plant more Neem, Pungan, Peepal, Puvarsu, Malai puvarasu, Athi, Mango, Magilam and Iluppai. Species like Eucalyptus, Gulmohr, Ashoka, Guava may be avoided.
- e. It is desirable to have 5m wide greenbelt all along the boundary of the industrial area. If not plant feasible, the proponent may be requested to plant trees wherever space is available bringing the total area under greenbelt to 12679Sq.m(33%) and report the GPS co-ordinates.
4. In the processing unit, there is a pungent smell especially in the fermentation process unit and the proponent needs to come out with plans for odour control.
5. ETP plant was working during the visit and they had implemented the zero liquid discharge facilities and formal to work successfully.
6. Daily and Month wise production detail for two years, pre-covid period and covid period shall be provided

  
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7. Daily, monthly and year wise production shall be submitted for after production
8. Adequacy and performance report of the ETP shall be provided for a period of past 2 years
9. Significant quantities of wood (~20 MT)/Day) used for boilers shall be replaced with a combination of efficient fuel/technologies such as briquettes, oil based or solar based heating
10. The proponent shall carry out personal exposure assessment among workers for the hazardous solvents used at workplaces
11. In addition to total VOCs, Workplace and ambient Volatile organic compounds (VOC) levels shall be monitored upwind and downwind. Total chemical speciation of VOC shall be carried out to assess the presence of carcinogenic chemicals
12. API analysis of ground and or bore well water samples shall be carried out
13. The occupational health centre shall have more spaces and have proper documentation and storage facility of employee records
14. Pulmonary function tests shall be carried out for employees handling hazardous chemicals and certified by competent person
15. Audiometry tests shall be carried out and certified by competent persons. Annual audiometry test shall be carried out.
16. Heat stress assessment shall be carried out in non-airconditioned areas throughout the facility and especially during summer season
17. Biomarker analysis for hazardous chemical shall be assessed in employees handling hazardous chemicals/solvents
18. Ergonomic assessment shall be carried out in locations wherever manual or repetitive activities are carried out
19. AFIH qualified medical officer shall visit once in week and shall be available during any emergencies or needs
20. Health risk profile by locations shall be prepared, analysed and followed up for implementing mitigation measures to minimize the health risk of employees.

  
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21. Fire extinguishers shall be provided with reference to the chemicals used.


## RECOMMENDATIONS

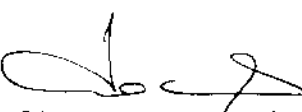
The Sub-Committee opined that after proper approval from the competent authorities and submission of the documents as per the requirement of the SEAC, the further course of action regarding project proposal seeking Environmental Clearance (EC) for M/S. Malladi Drugs & Pharmaceuticals Limited Unit-3 located at Plot no. 6A, 7A, 7B, & 7C, Sipcot Industrial Complex, Ranipet, Wallajah Taluk, Ranipet District, Tamilnadu can be decided by the SEAC.

In view of the above, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.


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

1. The project proponent shall maintain the Green belt area not less than 33% of the land area all along the periphery of the unit and maximum green belt shall be maintained in the down wind direction as reported. Selection of plant species shall be as per the CPCB guidelines in consultation with the District Forest Department.
2. The project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.
3. Necessary permission letter for the supply of water shall be obtained from the competent authority before obtaining CTO from TNPCB.
4. The effluent generated from the process should be treated through the ETP to achieve the treated effluent standards prescribed by the CPCB/TNPCB.
5. The proponent shall ensure the zero-liquid discharge.

  
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6. The proponent shall continuously operate and maintain adequate Air-pollution control measures for the process area.
7. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.
8. The proponent shall obtain and maintain valid safety licenses for the concerned department for boiler, solvent/fuel/raw material storage areas etc.
9. The proponent shall ensure that the area earmarked for the boiler, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO.
10. The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous waste (Management) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.
11. The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
12. A detail report on the safety measure and health aspects including periodical audiometry, pulmonary lung function etc. test reports once in a year for all the workers shall be submitted to TNPCB.
13. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the

  
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outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.

14. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.

Agenda No: 234-23

(File No: 7809/2020)

Proposed expansion of API unit with production capacity of 10MT/Month to 58MT/Month by M/s. Malladi Drugs & Pharmaceuticals Limited at plot no. 67, SIPCOT industrial complex, Ranipet, Wallajah Taluk, Ranipet District, Tamil Nadu – for Environmental Clearance


(SIA/TN/IND2/168506/2020, dated: 20.08.2020)

The proposal was placed in this 201<sup>st</sup> SEAC Meeting held on 12.02.2020. 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:

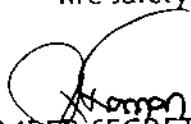
1. The Proponent, M/s. Malladi Drugs & Pharmaceuticals Limited has applied for Environmental Clearance for the proposed expansion of API unit with production capacity of 10MT/Month to 58MT/Month by M/s. Malladi Drugs & Pharmaceuticals Limited at plot no. 67, SIPCOT industrial complex, Ranipet, Wallajah Taluk, Ranipet District, Tamil Nadu.
2. The project/activity is covered under Category "B2" of Item 5(f) Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)" of the Schedule to the EIA Notification, 2006.

Based on the presentation made by the project proponent and the documents furnished, the SEAC instructed the project proponent to furnish the following details:

  
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1. The proponent has to earmark the greenbelt area with dimension and GPS coordinates for the green belt area all along the boundary of the project site with at least 3 meters wide and the same shall be included in the layout out plan, totaling to a minimum of 15% of the total area.
2. 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 as proposed in the CER.
3. The proponent shall carry out the Risk Assessment Study based on the MSDS of the individual chemicals during handling/Solvent storage/Storage of chemicals.
4. The proponent shall submit the detailed report on Occupational Health and Safety precautions for the workers.
5. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the VOC Emissions and model the same.
6. The project proponent shall obtain necessary permission from PWD Department for the extraction of Groundwater.
7. The project proponent shall submit the characteristics of the Effluent generated during the processes and the design of the treatment plant based on those characteristics.
8. The proponent shall furnish the stoichiometric balance of the materials (Mass balance & Molar Balance).
9. The proponent shall submit the proposal for treatment of sewage and design of the STP.
10. The proponent shall furnish the design details of Effluent Treatment Plant (ETP) with the detailed process descriptions.
11. The proponent shall furnish performance of ETP for the past 2 years and TNPCB data on exceedance of parameters.
12. The project proponent shall furnish the study on Industrial Hygienic Survey, fire safety and furnish the detailed report on health safety management for the

  
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employees.

13. The project proponent shall furnish health condition of the employees for the past 2 years.
14. The project proponent shall furnish about accident occurred previously and the action taken report of the same.
15. The Environmental Management Plan (EMP) for the proposed project shall be revised considering the above points and same shall be submitted.

It was also decided to make a site-visit by the sub-committee members of SEAC so as to assess the present status of the project site, since it is an expansion project.

On receipt of the above details, the SEAC after detailed deliberations decided to direct the proponent make a re- presentation for the further course of action on the proposal.


In this connection, the Sub-Committee held detailed discussions with the project proponent of the building project M/s. Malladi Drugs & Pharmaceuticals Limited and visited the project site on July 24, 2021 (Saturday) to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site and the details are presented as Annexure.

#### **OBSERVATION OF THE SUB-COMMITTEE**

The general manager made a detailed presentation about the processes, pollution control Measures and the environmental mitigation activities. The following are the observation and suggestions by the members of the Sub-Committee, SEAC.

1. The Proponent is planning for an expansion of API unit with the production capacity of 10MT/Month to 58 MT/Month. Some of the existing API are going to be discontinued in production and additional APIs are proposed in the expansion plan.
2. The water requirement for expansion proposal is not commensurate with the 6 fold increase in production and necessary justification needs to be made by the proponent.
3. Greenbelt:

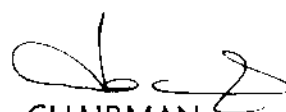
  
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- a. The total area is 57700Sq.m and the green belt maintained as per the report Proponent 18000Sq.m(31.2%) the proponent may be requested to increase the area under green belt to 190415 (33%) or more.
- b. The total no.of trees planted inside the premises is 2247. The species planted inside premises are Teek, Neem, Pungan, Peepal, Eucalyptus, Banyan, Ner mardhu, Gulm Puvarsu, Mango, Mara malli, Ashoka, Guava, Casuarina and Iluppai.
- c. The main purpose of having green belt in industries is to control air and noise pollution. trees planted should help in tapping particulate matter removing pollutants improve the air quality by releasing oxygen.
- d. Green belt must be provided all along the boundary by planting tall evergreen trees with canopy. Hence, the proponent is directed to plant more Neem, Pungan, Peepal, Pu Malai puvarasu, Athi, Mango, Magilam and Iluppai. Species like Eucalyptus, Gumohr, Ashoka, Guava may be avoided.
- e. It is desirable to have 5m wide greenbelt all along the boundary of the industrial area plant feasible, the proponent may be requested to plant trees wherever space is available bringing the total area under greenbelt to 19041 Sq.m(33%) and report the GPS co-ordinates.
4. In the processing unit, there is a pungent smell especially in the fermentation process unit and the proponent needs to come out with plans for odour control.
5. ETP plant was working during the visit and they had implementation the zero liquid discharge facilities and formal to work successfully.
6. Dailywise and Month wise production detail for two years, pre-covid period and covid period shall be provided
7. Daily, monthly and year wise production shall be submitted for after production
8. Adequacy and performance report of the ETP shall be provided for a period of past 2 years
9. Significant quantities of wood (~20 MT)/Day) used for boilers shall be replaced with a combination of efficient fuel/technologies such as briquettes, oil based or solar based heating

  
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10. The proponent shall carry out personal exposure assessment among employees for the hazardous solvents used at workplaces
11. In addition to total VOCs, Workplace and ambient Volatile organic compounds (VOC) levels shall be monitored. Total chemical speciation of VOC shall be carried out to assess the presence of carcinogenic chemical
12. API analysis of ground and or bore well water samples shall be carried out
13. The occupational health centre shall have more spaces and have proper documentation and storage facility of employee records
14. Pulmonary function tests shall be carried out for employees handling hazardous chemicals and certified by competent person
15. Audiometry tests shall be carried out and certified by competent persons. Annual audiometry test shall be carried out.
16. Heat stress assessment shall be carried out in non-air conditioned areas throughout the facility and especially during summer season
17. Biomarker analysis for hazardous chemical shall be assessed in employees handling hazardous chemicals/solvents
18. Ergonomic assessment shall be carried out in locations wherever manual or repetitive activities are carried out
19. AFIH qualified medical officer shall visit once in week and shall be available during any emergencies or needs
20. Health risk profile by locations shall be prepared, analysed and followed up for implementing mitigation measures to minimize the health risk of employees.

#### RECOMMENDATIONS

The Sub-Committee opined that after proper approval from the competent authorities and submission of the documents as per the requirement of the SEAC, the further course of action regarding project proposal seeking Environmental Clearance (EC) for M/s. Malladi Drugs & Pharmaceuticals Limited Located At Plot Number 67, Sipcot Industrial Complex, Ranipet, Wallajah Taluk, Ramipet District, Tamilnadu can be decided by the SEAC.

  
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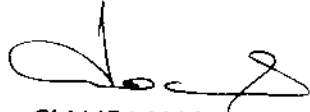
  
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In view of the above, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

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

1. The project proponent shall maintain the Green belt area not less than 33% of the land area all along the periphery of the unit and maximum green belt shall be maintained in the down wind direction as reported. Selection of plant species shall be as per the CPCB guidelines in consultation with the District Forest Department.
2. The project proponent shall operate and maintain the Sewage treatment Plant and Effluent treatment plant effectively to meet out the standards prescribed by the CPCB.
3. Necessary permission letter for the supply of water shall be obtained from the competent authority before obtaining CTO from TNPCB.
4. The effluent generated from the process should be treated through the ETP to achieve the treated effluent standards prescribed by the CPCB/TNPCB.
5. The proponent shall ensure the zero-liquid discharge.
6. The proponent shall continuously operate and maintain adequate Air-pollution control measures for the process area.
7. The proponent should continuously monitor the VOC and ensure that VOC levels are within permissible limits.
8. The proponent shall obtain and maintain valid safety licenses for the concerned department for boiler, solvent/fuel/raw material storage areas etc.
9. The proponent shall ensure that the area earmarked for the boiler, further the proponent may submit the safety measures on the same to TNPCB before obtaining CTO.

  
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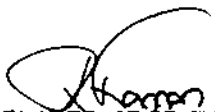



10. The proponent shall strictly follow the norms and guidelines mentioned in the Hazardous waste (Management) Rules, 2016 for the handling and disposal of Hazardous waste to be generated.
11. The proponent shall periodically conduct and submit fire safety study, emergency evacuation plan, risk assessment study, occupational health safety study for the worst case scenario in regard to existing safety measures/standard operating procedures adopted for the process/equipment/utilities for operation & maintenance and the storage areas of products, raw materials, solvent, fuel, etc. in the different operating zones of the plant at least once in a year to regularly identify safety fragile areas within the plant which requires regular monitoring and the proponent shall submit the same along with timeline for implementation of the said recommendations to the concerned departments.
12. A detail report on the safety measure and health aspects including periodical audiometry, pulmonary lung function etc. test reports once in a year for all the workers shall be submitted to TNPCB.
13. As the plant operation involves the sensitive processing, the medical officer and the supporting staff involved in the health centre activities shall be trained in occupational health surveillance (OHS) aspects through the outsourced training from the experts available in the field of OHS for ensuring the health standard of persons employed.
14. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.

Agenda No: 234-24

(File No: 8009/2020)

Proposed Rough stone & Gravel quarry lease over an extent of 4.27.0 Ha at S.F.No. 76/1A, 76/2, 76/4A, 76/6A, 76/7, 76/8A, 76/8B, 76/9, 76/10, 76/11, 76/12, 77/1, 77/2, 77/3 & 77/4

  
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in Palayaseevaram "B" Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu by  
Thiru. M. Antony Gomez - For Environmental clearance  
(SIA/TN/MIN/ 180488/2020, dated: 24.10.2020)

The proposal was placed for appraisal in this 196<sup>th</sup> meeting of SEAC held on 29.01.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The project proponent gave detailed presentation of the project. SEAC noted the following:

1. The Project Proponent, Thiru. M. Antony Gomez has applied seeking Environmental Clearance for the proposed Rough stone & Gravel quarry lease over an extent of 4.27.0Ha at S.F. No. 76/1A, 76/2, 76/4A, 75/6A, 76/7, 76/8A, 76/8B, 76/9, 76/10, 76/11, 76/12, 77/1, 77/2, 77/3 & 77/4 in Palayaseevaram "B" Village, Walajabad Taluk, Kancheepuram District, Tamil Nadu.
2. The project/activity is covered under category "B2" of item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five-year period states that the total quantity of recoverable as 3,60,750 cu.m of Rough stone, 66,875 cu.m of weathered rock & 26,750 cu.m of Gravel and the ultimate depth of mining is 47m below ground level.

After detailed deliberations the SEAC after detailed deliberations decided to seek the Proponent to obtain revised AD/Mines letter for 500m Cluster. On submission of the same, SEAC would further deliberate on this and decide the future course of action.

The Project proponent furnished the above said details to SEIAA-TN on 05.03.2021.

The subject was once again placed in the 209<sup>th</sup> SEAC meeting held on 09.04.2021. After detailed discussions, since there are three big water bodies surrounding the proposed site the committee decided, to make site visit to assess

  
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the actual environmental settings in the site. Also, the project proponent has to make a re- presentation of the project to the committee.

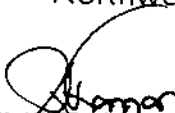
In this connection, the site was inspected by the sub-committee on 25.07.2021(Sunday) and submitted the inspection report to the SEAC for further course of action.

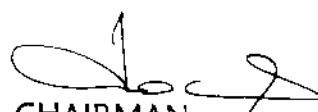
**Sub-Committee Observations during inspection:**

- An existing quarried pit (180m (Length) X 100m Width) was found at the proposed rough stone mining lease area abutting a water body (Tank) on the North Western side without bench formation and 50m safety distance from the said waterbody. (Photographs enclosed). In this connection, proponent informed that the said existing pit was mined by previous owner of the site.
- 3 Nos. tanks boundaries were observed near by the proposed mine lease area namely a ullavur tank at (NorthEastern – 300 m), Kosapattu tank at ( SouthWestern Side - 100 m separated by a road in between proposed mine lease area) & a tank at (North – Western – abutting).
- A well observed in the proposed area.
- Cut down Palmyra (Panaimaram) observed within the fenced area (annexure -1).
- Habitations were not found at the distance of 300 m.
- The proponent has fenced the proposed mining site all along the periphery of the site.
- The proponent has not earmarked mining area leaving a safety distance of 7.5 m all along the periphery of the site considering adjacent mining site (Quarry) and the abutting road.
- The proponent has not developed green belt within the proposed mining site and no trees are now existing in the site.
- Photographs of inspection and the site is enclosed vide annexure - I.

**Sub committee Recommendations:**

1. The proponent shall submit mining proposal leaving 110m as safety distance including existing quarried pit (180m (Length) X 100m Width) on the Northwestern direction from the proposed mine lease area.

  
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2. The proponent shall earmark mining area leaving a safety distance of 7.5 m on the adjacent sides of existing quarry on southern side and the abutting road on eastern side.
3. The proponent shall develop green belt with native trees under Miyawaki scheme all along the periphery of the site.
4. The proponent shall furnish proposal for abatement of fugitive emission arising from the proposed mining activity and vehicular movement.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

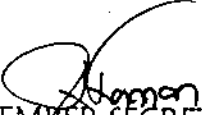
Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations decided to recommend the proposal for the grant of issue of Environmental Clearance subject to the following specific conditions in addition to normal conditions stipulated by MOEF &CC:

1. The ultimate depth of mining is restricted upto 37m below ground level is permitted for mining over five years considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining.
2. The proponent shall leave safety distance of 100m on the Northwestern direction including existing quarried pit Approx. (185m (L) X 100m (W)) from the boundary of the proposed mine lease area, since a tank was noticed abutting proposed mine lease area in the northwestern direction.
3. If there is any seepage found entering from the tank, the proponent shall need to arrest the seepage through grouting technique or any other techniques.
4. The proponent shall stone crusher should not be
5. The proponent shall form proper benches as per the approved mining plan during the operation of the quarry considering the hydro-geological regime of the surrounding area as well as for safe mining.
6. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.

  
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7. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.
8. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCB once in six months.
9. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be undertaken.
10. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
11. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of atleast 3m width so that at the closure time the trees would have grown well.
12. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
13. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
14. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also, the proponent shall undertake re-grassing of the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
15. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
16. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body

  
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should be left vacant without any mining activity.

17. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village Road.
18. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
19. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.
20. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
21. 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.
22. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
23. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
24. All the conditions imposed by the Deputy Director, Geology & Mining, Kancheepuram District in the mining plan approval and the precise area communication issued by District Collector, Kancheepuram District should be strictly followed.

Agenda No: 234-25

(File No: 7577/2020)

Proposed plan revision and expansion of residential building project" Purvankara Windermere" at S.F.Nos. 1/1B1, 1/1B2, 1/2, 2/1, etc in Medavakkam Village and S.F.No. 294/1, 2, 3, 295/1A, etc in Pallikaranai Village, Tambaram Taluk,

  
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Kanchipuram District, Tamil Nadu by M/s. Puravankara Limited – For Terms of Reference.

(SIA/TN/MIS/143830/2020 Dt:02.03.2020)

The proposal was placed in the 178th SEAC Meeting held on 01.10.2020. The project proponent made detailed presentation. The details of the project are given in the website of <http://parivesh.nic.in>. SEAC noted the following:

1. The Proponent, M/s. Puravankara Limited applied for Terms of Reference for the Existing for the Proposed plan revision and expansion of residential building project "Purvankara Windermere" at S.F.Nos. 1/1B1, 1/1B2, 1/2, 2/1, etc in Medavakkam Village and S.F.No. 294/1, 2, 3, 295/1A, etc in Pallikaranai Village, Tambaram Taluk, Kanchipuram District, Tamil Nadu.

2. The project/activity is covered under Category "B" of Item 8(b) "Townships and area development projects" of the Schedule to the EIA Notification, 2006.

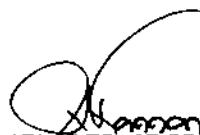
3. The earlier EC was obtained from SEIAA-TN Vide Lr.No. SEIAATN/F.19/EC/8(b)/331/2012 dated: 08.07.2014 the built-up area is 522034.41 m<sup>2</sup>. Based on the presentation made and documents furnished by the Project Proponent SEAC directed the project proponent to furnish the following details:

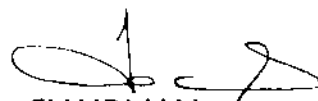
1. The layout plan needs to be furnished for the greenbelt area earmarked with GPS coordinates on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt area shall not be less than 15% of the total land area of the project.

2. The water balance furnished by the Project Proponent needs improvement. Hence the proponent has directed to furnish the revised water balance sheet as per the guidelines for buildings issued by MoEF & CC. Member Secretary Chairman SEAC -TN SEAC- TN.

3. The Project Proponent shall furnish the design details of STP and Grey water treatment system after revising the water balance.

4. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.

  
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5. Details of Proposed Rainwater harvesting system should be furnished. On receipt of the aforesaid details, the SEAC after detailed deliberations decided to make site visit to assess the present status of the site by the sub-committee to be constituted by the SEAC since the project is expansion project.


Based on the inspection report of the sub-committee of the SEAC, SEAC would further deliberate on this project and decide the further course of action.

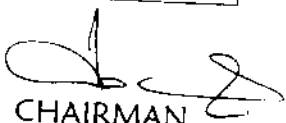
In this connection, the Sub-Committee held detailed discussions with the project proponent of the building project M/s. Puravankara Limited and visited the project site on July 25, 2021 (Sunday) to collect the factual information and took photographs of the salient features of the site to get the first-hand information of the site and the details are presented as Annexure.

Details of proposed project site:

- The project proponent was accorded Environmental Clearance by the SEIAA, TN Vide letter no: SEIAA/TN/F.19/EC/88/331/2012 Dt 0807.2014 for total Built-up area of 5,22,034.41 sq.m.in the plot area of 2,17,660.18 Sq.m with total no. of dwelling units 3500 Nos. comprising of 43 blocks which consist of 85 towers (Silt-7 floors, 2 club houses, 2 departmental stores and 2 swimming pools.
- Sewage generation 2121 KLD out of which 807 KLD to be recycled for flushing, 172 KLD for utilizing it for gardening/greenbelt and 1142 KLD to be disposed into CMWSSB sewer.
- Backup power of 400 KVA-13 nos, 500 KVA-23nos, 275 KVA-2 nos.
- The proponent has obtained Consent to Establish Dt:10.12.2014 from TNPCB for the said environmental clearance issued & Consent to Operate Dt: 27/05/2020 from TNPCB for its residential complex comprising of 22 blocks having 48 Towers, 1 Club house, 1 Departmental Store and 1 swimming pool with total built up area of 2,78,148.81 sq.mts having 2044 dwelling units.
- The proposed Expansion built-up area breakup:

	Plot area	Existing residential buidlings	Proposed Expansion	Total
Total Built-up	2,17,660.18	2,78,148.81 Sq.m	2,37,305 Sq.m	515454

  
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area	Sq.m			Sq.m
Dwelling units	2,17,660.18	2044 Nos.	2056 Nos.	4100 Nos.
	Sq.m			

### OBSERVATIONS OF THE SUB-COMMITTEE

The authorized representative of the said proposed expansion project made a detailed presentation about the additional details sought vide 178th SEAC meeting minutes, building and layout plans, Environmental management plan, and details of mandatory statutory clearances obtained for the proposed project site by the project proponent. The following are the observation and suggestions by the members of the Sub-Committee, SEAC.

1. The proponent has completed construction of the towers A1 to A6, B1 to B4, C1 to C11, D1 to D16, E1 to E11 with Stilt + 7 floors each respectively, Club House 1 (G +3) and Departmental Store 1 (G +1). The total built up area for the constructed towers is 2, 78,148 Sqm & the dwelling unit is 2044 numbers.
2. The existing constructed residential building were occupied and was under operation during site inspection.
3. The proposed expansion of residential building project site was found to be earmarked and vacant.
4. The STP of 2 nos. Of capacity 950 KLD and 575 KLD each were under operation and the log records of the STP were verified by the SEAC committee.
5. It was observed that the OWC was nonfunctional and wastes were dumped over it as seen in the photograph attached. Also, it was instructed to authorized representatives of project to explore possibilities to provide adequate capacity of Bio- Methanation plant for the treatment & disposal of the organic waste generated from the proposed project.
6. The proponent furnished NOC for flooding & inundation point of view obtained from PWD Department dt:28.11.2011 for the proposed site. In this regard, Sub - Committee has instructed to provide adequate storm water drain

  
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- network with final disposal arrangements for free flowing of storm water to nearby lake & rain water harvesting arrangements in the proposed project site.
7. The committee instructed the proponent to furnish detailed storm water management plan along with EIA report.
  8. The committee instructed the proponent to earmark the greenbelt area with dimension and GPS coordinates and the same shall be included in the layout out plan along with EIA report.

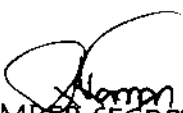
### RECOMMENDATIONS

The Sub-Committee opined that after proper approval from the competent authorities and submission of the documents as per the requirement of the SEAC, the further course of action regarding project proposal seeking Terms of References for of residential building project "Purvankara Windermere" by M/s. Puravankara Limited at S.F.Nos. 1/1B1, 1/1B2, 1/2, 2/1, etc in Medavakkam Village and S.F.No. 294/1, 2, 3, 295/1A, etc in Pallikaranai Village, Tambaram Taluk, Kanchipuram District, Tamil Nadu can be decided by the SEAC.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations decided to recommend the proposal for the grant of Terms of Reference (ToR) under violation, subject to the following ToR in addition to the standard terms of reference for EIA study and details issued by the MoEF&CC to be included in EIA/EMP report:


1. The proponent shall furnish a timeline of construction of existing and proposed plan revision and expansion of residential building project shall be submitted.
2. The proponent shall furnish the design details of the STP and Grey water treatment system after revising the water balance.
3. The project proponent shall revise over all water balance and shall reuse the treated grey water.
4. The proponent shall furnish operational history of STP for last 4 years.
5. The proponent shall submit revised plan approval from DTCP.

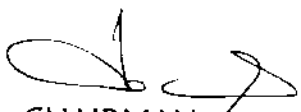
  
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6. The proponent shall measure air quality and mitigation measures.
7. The project acquires many water channels and hence the proponent shall submit all the GO copies for land conversion.
8. As per G.O. Ms. No. 142 approval from central Ground water Authority shall be obtained for withdrawal of water and furnish the copy.
9. Commitment letter from CMWSSB for supply of water shall be furnished.
10. Copy of the village map, FMB sketch and "A" register shall be furnished.
11. Detailed Evacuation plan during emergency/natural disaster shall be submitted.
12. The space allotment for solid waste disposal and sewage treatment & grey water treatment plant shall be furnished.
13. The proponent shall furnish proposal for adequate capacity of bio-methanation plant with safety measures for scientific treatment of organic waste and disposal of biogas for beneficial purpose.
14. Details of the Solid waste management plan shall be prepared as per solid waste management Rules, 2016 and shall be furnished.
15. Details of the E waste management plan shall be prepared as per E waste management Rules, 2016 and shall be furnished.
16. Details of the Rainwater harvesting system proposed should be furnished.
17. A detailed storm water plan to drain out the storm water entering the premises during heavy rainy period shall be prepared including main drains and sub-drains in accordance with the contour levels of the proposed project considering the flood occurred in the year 2015 and also considering the surrounding development. The storm water drain shall be designed in accordance with the guidelines prescribed by the Ministry of Urban Development.
18. The proposed OSR area should not be included in the activity area. The OSR area should not be taken into account for the green belt area.
19. The layout plan shall be furnished for the greenbelt area earmarked with GPS coordinates by the project proponent on the periphery of the site and the same shall be submitted for CMDA/DTCP approval. The green belt width

  
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- should be at least 3m wide all along the boundaries of the project site. The green belt area should not be less than 15% of the total land area of the project.
20. Solar energy should be at least 10% of total energy utilization. Application of solar energy should be utilized maximum for illumination of common areas, street lighting, etc.
21. Cumulative impacts of the Project considering with other infrastructure developments in the surrounding environs shall be furnished.
22. A detailed post-COVID health management plan for construction workers as per ICMR and MHA or the State Govt. guideline may be followed and report shall be furnished.
23. The project proponent shall furnish detailed baseline monitoring data with prediction parameters for modeling for the Emission, Noise and Traffic.
24. The details of Rain Water Harvesting Plan with cost estimation shall be furnished.
25. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.

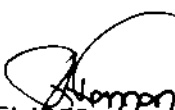
Agenda No: 234-26


(File No: 7190/2019)

Proposed Rough Stone, Jelly and Gravel quarry lease over an extent of 2.43.0Ha in S.F.Nos.490/1A2 of Idaigal Part - II village, Ambasamudram Taluk, Tirunelveli District the state of Tamil Nadu by Thiru.E. Vinoth Sankarlal - for Environment Clearance.

(SIA/TN/MIN/44081 /2019, dated 03.10.2019)

The Proposal was placed before the 186<sup>th</sup> SEAC meeting held on 21.11.2020. The SEAC noted that proposal had been placed before the 139<sup>th</sup> SEAC meeting held on 23.11.2019. The SEAC after detailed deliberations decided not to recommend the proposal as there is water body (Lake) in the western side of leased mining area and the proposed mining activity is likely to affect the water body and thereby there will

  
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be negative impact on agricultural activities and livelihood of the people living nearby.

The proponent had sent a letter no Nil dated 30.01.2020 and 09.06.2020 to the SEIAA office, requesting to reconsider his proposal. The same were placed before the 403th meeting of the SEIAA held on 13.10.2020. The SEIAA during the said meeting had directed as follows

After detailed discussion, the Authority decided to refer back the proposal to SEAC to reexamine its recommendation by considering the proponent's representations dated 30.01.2020 & 09.06.2020 & as per the prevailing Rules & Regulations.

The SEAC after detailed deliberations, decided that it stands by earlier decision on not to recommend the proposal, as in the first letter dated 30.01.2020, no action was taken and in the second letter dated 09.06.2020, no data to support the mitigation of the impact on the proposed mining activity on the water bodies surrounding the proposed quarry lease area had been furnished by the proponent.

The Project proponent furnished the above said details to SEIAA-TN on 22.02.2021.

The subject was once again placed in the 209<sup>th</sup> SEAC meeting held on 09.04.2021. After detailed discussion the committee informed that, the report is not from reputed institutes like IITs, NITs, Anna University. Hence the committee decided to make a site inspection to assess the actual environmental settings and also the project proponent shall make a re-presentation with the study report from one of the reputed government institutions as stated above


In this connection, the site was inspected by the sub-committee on 26.08.2021(Thursday) and submitted the inspection report to the SEAC for further course of action.

#### OBSERVATION OF THE SUB-COMMITTEE

1. The proponent, Thiru.Vinoth Sankarlal proposed to operate a rough stone, jelly and gravel quarry over an extent of 2.43 Ha in S.F.No.490/1A2 of Idaikal Part II Village, Ambasamudram Taluk, Tirunelveli District, Tamil Nadu.

  
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2. The project/activity is covered under Category "B2" "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. This is a fresh quarry. There was no quarrying operation during the visit.
4. As per village records, Survey Nos. 491, 492, 493, 494 & 495 are marked as Iyankulam. (water body) But in reality these survey numbers are patta lands and there is no Ayacut irrigated by this Iyankulam. These patta lands belong to Tmt. Thiruvengkadathammal, W/o. Sooriya Narayana Chettiyar. Tahsildar, Ambasamudram has also given a no objection certificate stating that the above survey nos. are patta lands and there is no irrigation.
5. The hydro geological study reveals that the said lake is located more than 100 meters from the active mine area and there will be no seepage of water due to hard rock formation.
6. There is no revenue Poramboke land adjoining the proposed quarry.
7. There is an asphalt road on the western side of the proposed quarry site at a distance of 9 metres. A safety distance of 30m. is necessary.
8. A few coconut trees were also noticed.

#### RECOMMENDATIONS OF THE SUB COMMITTEE

The Sub-Committee opines that the said water body Iyankulam in Survey Nos. 491, 492, 493, 494, 495 is patta land where seasonal rain water collects during monsoon and there is no registered ayacut irrigated by this tank.

The quarry site is completely surrounded by dry lands and there is no wet land within a radius of 1 km. The Sub-Committee opines that there won't be any impact on ground water if quarrying operation is permitted as reported in hydro geological studies.

  
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The land between the tank and project site belongs to the proponent and so the proponent may be directed to raise green belt over the entire width of 100 m.


The Sub-Committee opines that the proposal for quarrying 2.43 Ha in S.F.No.490/1A2 of Idaikal Part II Village, Ambasamudram Taluk, Tirunelveli District, Tamil Nadu may be considered.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

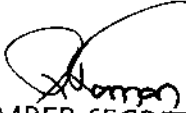
Based on the presentation and documents furnished by the project proponent, SEAC after detailed deliberations decided to recommend the proposal for the grant of issue of Environmental Clearance subject to the following specific conditions in addition to normal conditions stipulated by MOEF &CC:


1. Restricting the depth of mining to 32m ultimate depth below ground level and quantity of 2,85,087 cu.m of Rough stone & 13,755cu.m of Gravel are permitted for mining over five years considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining.
2. The proponent shall form proper benches as per the approved mining plan during the operation of the quarry considering the hydro-geological regime of the surrounding area as well as for safe mining.
3. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.
4. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.
5. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCB once in six months.
6. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be undertaken.

  
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7. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
8. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of atleast 3m width so that at the closure time the trees would have grown well.
9. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
10. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
11. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also the proponent shall undertake re-grassing of the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
12. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
13. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
14. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village Road.
15. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
16. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.

  
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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 monitored by the District Authorities.
18. 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.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
21. All the conditions imposed by the Deputy Director, Geology & Mining, Tirunelveli District in the mining plan approval and the precise area communication issued by District Collector, Tirunelveli District should be strictly followed.

Agenda No: 234-27

(File No: 8128/2020)

Proposed Rough Stone, Jelly & Gravel quarry lease over an extent of 2.27.10 Ha at S.F.Nos. 883/2 (P), 883/3(P), 883/4, 883/5, 883/6, 88, Irukkandurai Part -II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by Thiru.N.BalaPravinth – For Environmental clearance


(SIA/TN/MIN/186405/2020 dated 12.12.2020)

The proposal was placed for appraisal in this 200th meeting of SEAC held on 11.02.2021. The details of the project furnished by the proponent are available on the website (parivesh. nic.in).

The project proponent gave detailed Presentation of the project. SEAC noted the following:

1. The Project Proponent, Thiru. N. BalaPravinth has applied seeking Environmental Clearance for the Proposed Rough Stone & Gravel quarry lease

  
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over an extent of 2.27.10 Ha at S.F.Nos. 883/2(P), 883/3(P), 883/4, 883/5, 883/6, 88, Irukkandurai Part -II Village, Radhapuram Taluk, Tirunelveli, Tamil Nadu.


2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five-year period states that the total quantity of recoverable as 3,82,755 cu.m of Rough stone, 17,064 cu.m of Weathered rock & 35,742 cu.m of Gravel and the ultimate depth of mining is 48m below ground level.


Based on the presentation made and documents furnished by the Project Proponent, SEAC noted that many a water body is located near the proposed mine lease area. Hence SEAC after detailed deliberations decided to make an on - the - spot inspection of the site by the sub-committee constituted by the SEAC. Based on the inspection report of the subcommittee, the SEAC will decide the further course of action.

In this connection, the site was inspected by the sub-committee on 06.09.2021(Monday) and submitted the inspection report to the SEAC for further course of action.

#### OBSERVATION OF THE SUB-COMMITTEE

1. The proponent, Thiru.N.Bala Pravinth proposed to operate a rough stone, jelly and gravel quarry over an extent of 2.27 Ha in S.F.No.\_883/2 (P), 883/3(P), 883/4, 883/5, 883/6, 883/7 (P), 883/13B (P) of Irukkandurai Part II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu
2. The project/activity is covered under Category "B2" "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. This is a fresh quarry and there was no previous quarrying operation.
4. As per village records, Survey No. 876 of Irukkandurai Part II Village is Pandiyan Pudukulam which is located on the southern side at a distance of 50 m. There is another tank by name Nedunkulam in survey no. 828 of Irukkandurai Part I village at a distance of more than 900 m. in the south west direction.

  
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5. There is a PWD canal in survey no. 896/1B2, 895/1B, 875/2, 884/1 which is 50 m. away on the western side of the proposed quarry site.
6. There is foot path on the western side at a distance of 30 m. from the proposed quarry site.
7. There is no habitation within a distance of 1 km
8. There is well irrigated cultivation of Banana at a distance of 300 metres. A few coconut trees were also noticed.

### RECOMMENDATIONS OF THE SUB COMMITTEE

The Sub-committee opines that the said water tank Pandiyan Pudukulam in Survey Nos. 876 of Irukkandurai Part II village is a seasonal water tank where rain water collects during monsoon and the total ayacut area of the tank is 3.88.5 Ha. At present there is no cultivation in the said agricultural land irrigated by this tank.

The quarry site is completely surrounded by dry lands and there is no cultivation at present within a radius of 1 km.

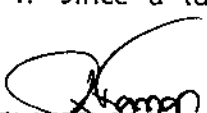
The land between the Pandiyan Pudukulam tank and project site belongs to the proponent and so the proponent may be directed to raise green belt over the entire width of 50 m.

The sub-committee opines that the proposal for quarrying 2.27 Ha in S.F.No. 883/2 (P), 883/3(P), 883/4, 883/5, 883/6, 883/7 (P), 883/13B (P) of Irukkandurai Part II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu may be considered.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

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

1. Since a tank (Pandian Puthukulam) was noticed at the southern direction

  
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nearby the proposed mine lease area. Considering hydro-geological regime of the surrounding area, SEAC has decided to restrict ultimate depth of mining to 33m below ground level and leave a safety distance of 100m from the boundary of the Pandian Puthukulam (tank) in the southern direction towards the boundary of the proposed mine lease area and the proponent has also accepted the same. Based on revised restricted mining quantity for the period of 5 years submitted by proponent vide letter Dt: 07.10.2021. The ultimate depth of mining restricted to 33m below ground level and quantity of 1,67,150 cu.m of Rough stone, 104.28 cu.m of Weathered rock & 222.18 cu.m of Gravel are permitted for mining over five years considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining.


2. The proponent shall provide safety distance of 100m from the boundary of the Pandian Puthukulam (tank) in the southern direction towards the boundary of the proposed mine lease area.
3. The proponent shall form proper benches as per the approved mining plan during the operation of the quarry considering the hydro-geological regime of the surrounding area as well as for safe mining.
4. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.
5. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.
6. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCB once in six months.
7. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be undertaken.
8. The proponent shall erect fencing all around the boundary of the proposed


  
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- area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
9. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of at least 3m width so that at the closure time the trees would have grown well.
  10. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
  11. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
  12. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also, the proponent shall undertake re-grassing of the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
  13. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
  14. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
  15. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village Road.
  16. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
  17. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.
  18. The quarrying activity shall be stopped if the entire quantity indicated in the

  
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- Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
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.
  20. 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.
  21. As per the MoEF & CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020 the proponent shall furnish the detailed EMP mentioning all the activities as proposed in the CER and furnish the same before placing the subject to SEIAA.
  22. All the conditions imposed by the Deputy Director, Geology & Mining, Tirunelveli District in the mining plan approval and the precise area communication issued by District Collector, Tirunelveli District should be strictly followed.

Agenda No: 234-28

(File No: 7888/2020)

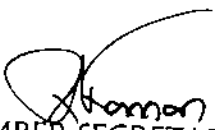
Proposed Gravel/Earth quarry lease over an extent of 4.73.0Ha at S.F.Nos. 151(P) of Vadikottai Village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu by Thiru.G.Muppidathi - For Environmental Clearance.

(SIA/TN/MIN/175321/2020 dated 25.09.2020)

The proposal was placed for appraisal in this 212th meeting of SEAC held on 04.05.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, Thiru. C.Muppidathi has applied for Environmental clearance for the proposed Gravel/Earth quarry lease over an extent of 4.73.0Ha at S.F.Nos. 151 (P) of Vadikottai Village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu.

  
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2. The project/activity is covered under Category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the three years states that the total quantity of recoverable as 2,16,315 cu.m of Gravel/Earth should not exceed for the depth of mining 5m (3m above ground Level and 2m below ground level).

Based on the documents furnished and presentation made by the Proponent, the SEAC noted that there is an uncertainty of mining mineral in the proposed mining site whether it is Earth or Gravel.

After detailed discussion the committee noted the recent verdict of the Hon'ble Madurai Bench of Madras High Court order in WP (MD) No 20903 of 2016 in its order dated 12/02/2021 has ordered the following among other things, especially point no.59.

In view of the aforesaid discussion, this Court deems it to issue the following directions:

- i. There shall not be any grant of quarry lease without ascertaining the composition/component of the mineral and without obtaining a report from authorized lab. The Department of Geology and Mining shall establish a lab on its own or shall authorize any lab in this regard.*
- ii. There shall not be any quarry operation in the name of colloquial terms, / local terms and any lease shall be in accordance with mineral notified under Section 3 of the MMDR Act.*
- iii. A High Level committee has to be constituted, constituted of Geologists and Expert in the said field and eminent Officers from WRO, PWD, to conduct a detailed study/ survey on the possibility or the availability of the rivers and on the adjacent patta lands to the river 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 area.*
- iv. The Department of Geology and Mining, shall furnish the details of all the savudu quarries granted to far, in the State of TamilNadu, to this Court.*

  
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*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 the High-Level committee shall/ inspect those quarries to ascertain the availability of sand in those quarries. In the event of the High-level committee ascertaining the availability of sand in the 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 the 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 Deepa 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 after 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.*

Hence SEAC directed the proponent to furnish report on composition of minerals issued by the laboratory under department of Geology and Mining or laboratory authorized by department of Geology and Mining as per the above court verdict pronounced. Also, SEAC after detailed deliberations decided to make an onsite inspection to assess the present status of the site and the water bodies nearby, by the sub-committee constituted by the SEAC.

On receipt of the certificate regarding mineral composition, and the inspection report from the sub-committee, the SEAC will further consider the proposal for appraisal.

  
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In this connection, the site was inspected by the sub-committee on 26.08.2021(Thursday) and submitted the inspection report to the SEAC for further course of action.

#### OBSERVATION OF THE SUB-COMMITTEE

1. The proponent, Thiru. G.Muppidathi proposed to operate a gravel quarry over an extent of 4.73 Ha in S.F.No.151 (P) of Vadikottai Village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu
2. The project/activity is covered under Category "B2" "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. This is a fresh quarry. There was no quarrying operation during the visit.
4. As per village records, there is one odai at a distance of 170 m. on the west side and there are twelve wells within 300m radius.
5. There is no habitation within a distance of 300 m.
6. During inspection the proponent produced a soil test report from Anna University, University College of Engineering, Dindigul submitted through Deputy Director, Geology and Mining, Tenkasi

It is as follows

Soil Classification	Particle %
Gravel	77.17
Coarse Sand	8.28
Medium Sand	7.98
Fine Sand	3.33
Silt	3.23

  
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SEAC - TN  
Chennai-15

  
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Chairman  
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Material Status	With respect to the above tests, the tendered sample is classified as Poorly Graded Gravels
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### RECOMMENDATIONS OF THE SUB COMMITTEE

The report of Joint Director, Geology and Mining states that the mineral is mixture of gravel and earth.

The Department of Civil Engineering, Government College of Engineering, Tirunelveli – 7 states that the predominant mineral is gravel (56.50%) but at the end the classification is given as **clayey sand**.

The University College of Engineering, Anna University, Dindigul has classified the samples as Poorly Graded Gravels


On observation the subcommittee found gravel predominantly.

Hence the subcommittee opines that the proposal for quarrying over an extent of 4.73.0 Ha in S.F.No.151 (P) of Vadikottai Village, Sankarankovil Taluk, Tenkasi District, Tamil Nadu may be discussed in detail in the SEAC meeting and decision may be taken.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

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

1. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.
2. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.

  
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3. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCB once in six months.
4. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be undertaken.
5. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
6. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of atleast 3m width so that at the closure time the trees would have grown well.
7. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
8. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
9. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also, the proponent shall undertake re-grassing of the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
10. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
11. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
12. Transportation of the quarried materials shall not cause any hindrance to the

  
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- Village people or damage to the existing Village Road.
13. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
  14. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.
  15. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
  16. 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.
  17. 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.
  18. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
  19. All the conditions imposed by the Deputy Director, Geology & Mining, Tenkasi District in the mining plan approval and the precise area communication issued by District Collector, Tenkasi District should be strictly followed.

Agenda No: 234-29

(File No: 8169/2020)

Proposed Rough Stone, Jelly & Gravel quarry lease over an extent of 4.97.0 Ha at 5.F.Nos. 769/1C(P), 770/3(P), 771 & 772 (P) at Irukkandurai Part I Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by Thiru. A.Sabarishlal - For Environmental Clearance.

(SIA/TN/MIN/189679/2020, dated: 24.12.2020)

The project proponent gave detailed presentation. SEAC noted the following:

  
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1. The Project Proponent. Thiru. A. Sabarishlal has applied for Environmental Clearance for the proposed Rough stone, Jelly & Gravel quarry lease over an extent of 4.97.0Ha at S.F.Nos. 769/1C(P), 770/3(P), 771 & 722 (P) at Irukkandurai Part I Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu.
2. The project/activity is covered under category "B2" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five-year period states that the total quantity of recoverable as 9,57,420 cu.m of Rough stone, 71,944 cu.m of Weathered rock & 75,682 cu.m of Gravel and the ultimate depth of mining is 44m below ground level.

Based on the presentation made and the documents furnished by the project proponent, SEAC after detailed deliberations decided to request the SEIAA office to obtain original 500m radius approval letter from AD, Mines of Dept. of Geology and Mining, Tirunelveli. Since, letter uploaded in the online application and letter presented during the SEAC meeting was found different. Hence, the committee requested SEIAA to refer this matter to the District Collector, Tirunelveli District as well as DG (Mines) Dept. of Geology and Mining, for getting clarification.

In connection to a complaint received against the proponent regarding proposed mining activity at proposed mine lease area. In this connection, the site was inspected by the sub-committee on 07.09.2021(Tuesday) and submitted the inspection report to the SEAC for further course of action.

#### OBSERVATIONS OF THE SUB-COMMITTEE

1. The proponent, Thiru. A. Sabarish Lal was present at site with all the relevant records.
2. The proponent, Thiru. A. Sabarish Lal has proposed to operate a rough stone, jelly and gravel quarry over an extent of 4.97.0 ha in S.F.No 769/1C(P), 770/3(P), 771 and 772(P) of Irukkandurai Part 1 Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu

  
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3. The project /activity is covered under Category "B2" "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006
4. This is a fresh quarry and no quarrying operation seen during the visit.
5. As per Village records, Survey No 769/1C(P), 770/3(P), 771 and 772(P) of Irukkandurai Part-1 Village are dry lands without any cultivation for a very long period. A certificate to that effect has been obtained from the Village Administrative Officer, Irukkandurai Part I Village and produced before the sub-committee during the visit.
6. There are two water bodies (kulam) within a distance of 1 km. They are i) Karumbilar Kulam, in Survey No.799 at a distance of 320m. and ii) Nedunkulam in Survey No 828 at a distance of 800m. Another tank namely Putherikulam is located at a distance of more than 2km downstream.
7. During the visit these 3 tanks are completely dry and fully grown with Prosopis juliflora jungle also there is no trace for cultivation in the fields around the proposed mining area to a distance of 1 km for a long time.
8. The Village Administrative Officer, Irukkandurai Part 1 village has given a certificate that there is no encroachment In PWD canals and the sub-committee also noted that there is no encroachment in any water bodies.
9. During inspection it was found that the roads leading to the proposed quarry site are formed in patta lands only and the PWD canals cross the road in certain places. It was ascertained during inspection that none of the PWD canals have been used as cart track. Also, the natural flow of water from one tank to another will not be disturbed in any way.
10. The hamlets in Irukkandurai Part I village are Putheri, Paaravilai, Ooralvaimozhi, Kalyanipuram and Keelkulam. And these hamlets are located at a distance of 2.56km, 2.1km, 1.93km, 3.3km and 2.6km respectively. Most

  
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of the people living in these hamlets are labourers engaged in various type of activities and their income will not be affected in any way by the operation of the proposed quarry.

11. The drinking water requirement of the hamlets in Irukkandurai Part I & Part II villages is met from Tamirabarani koottu kudineer Thittam Drinking water project.

#### RECOMMENDATIONS OF THE SUB COMMITTEE


The subcommittee opines that the application of the proponent for grant of environmental clearance may be considered as the proponent has submitted the letter from Joint Director, Mines and Geology Tirunelveli and the petition opposing the grant environmental clearance has no merit.

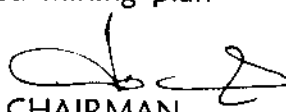
The land between Karumbilar kulam and project site in S.Nos. 770/1, 770/3, 772 (p) Northern side of quarry outside the site belongs to the proponent and so the proponent may be directed to raise green belt over the entire width, and no quarrying to be done in that area, and the waste materials should not be dumped in that area.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.


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


1. Restricting the depth of mining to 34m ultimate depth below ground level and quantity of 8,04,815 cu.m of Rough stone, 71,944 cu.m of Weathered rock & 75,682 cu.m of Gravel are permitted for mining over five years considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining.
2. The proponent shall form proper benches as per the approved mining plan

  
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- during the operation of the quarry considering the hydro-geological regime of the surrounding area as well as for safe mining.
3. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.
  4. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.
  5. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCB once in six months.
  6. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be undertaken.
  7. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
  8. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of at least 3m width so that at the closure time the trees would have grown well.
  9. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
  10. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
  11. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also, the proponent shall undertake re-grassing of the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
  12. Proper barrier to reduce noise level, dust pollution and to hold down any

  
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- possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
13. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
  14. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village Road.
  15. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
  16. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.
  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 monitored by the District Authorities.
  18. 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.
  19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
  20. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
  21. All the conditions imposed by the Deputy Director, Geology & Mining, Tirunelveli District in the mining plan approval and the precise area communication issued by District Collector, Tirunelveli District should be strictly followed.

  
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Agenda No: 234 - 30

(File No: 8005/2020)

Proposed Rough Stone quarry lease over an extent of 3.05.76 Ha at S.F.Nos. 449/2, 478/1A1A, 478/1A2, 478/1A3, 479/1A, 479/1B, 479/1C, 479/3A, 479/4A, 479/4B1 & 479/4C1 of Irukkandurai Part-II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu by Thiru. G.Peter Robin - For Environmental clearance  
(SIA/TN/MIN/182218/2020, dated: 05.11.2020)

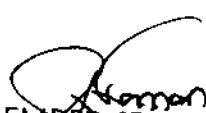
The proposal was placed for appraisal in this 192nd meeting of SEAC held on 07.01.2021. The details of the project furnished by the proponent are available on the website(pariverh.nic.in).


The project Proponent Save detailed presentation of the project. SEAC noted the following:

1. The Project Proponent, Thiru. G. Peter Robin has applied for Environmental Clearance for the Proposed Rough Stone quarry lease over an extent of 3.05.76 Ha at S.F.Nos. 449/2, 478/1A1A, 478/1A2, 478/1A3, 479/1A, 479/1B, 479/1C, 479/3A, 479/4A, 479/4B1 & 479/4C1 of Irukkandurai Part-II Village, Radhapuram Taluk, Tirunelveli District, TamilNadu.
2. The project/activity is covered under Category "B2" of Item I(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The production for the five-year period states that the total quantity of recoverable as 3,28,485 cu.m of Rough stone, 34,934 cu.m of Weathered rock & 18,090 cu.m of Gravel and the ultimate depth of mining is 48m below ground level.

Based on the presentation made and documents furnished by the Project proponent, SEAC decided to seek the following details/documents from the Proponent:

1. There is Udayan Eri Kulam at a distance of 270m from the Project site and this tank is feeding for the agricultural work as well as serving as recharge area for the surroundings. It is also noted that groundwater level in the surroundings varying from 8m to 13m below ground level and if 48m deep mining is carried out, it will have unsustainable impact on the agriculture as well as on the tank

  
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and water resources. Hence, there is a need to study the impact of various depth of mining to quantify the impact on water availability. Also, it is noted that apart from rough stone there may be limestone layers there which may lead to dissolution and there is greater possibility for tank water to drain into the mine pit. Hence there is a need to study the lithology of the mine lease area and a detailed ground water flow modeling to assess the impact of mining.

2. Since the project site is only 2.37 km from sea there is a likelihood that sea water intrusion as the mining are is more than 3 Ha and the depth of mining proposed is 48m below ground level.
3. It is also necessary to check the impact of mining on the sea animals including tortoise through a reputed Government institution.

On receipt of the aforesaid details/documents to SEAC, the committee would further deliberate on this project and decide the further course of action.


The Project proponent furnished the above said details to SEIAA-TN on 05.04.2021.


The subject was once again placed in the 209<sup>th</sup> SEAC meeting held on 09.04.2021. After detailed discussion the committee it was observed that the report is very poorly written and prepared. Hence the committee decided to make on the site inspection to assess the actual environmental settings and also the project proponent shall make a re-presentation.

In this connection, the site was inspected by the sub-committee on 06.09.2021(Monday) and submitted the inspection report to the SEAC for further course of action.

#### OBSERVATION OF THE SUB-COMMITTEE

1. The sub-committee inspected the site on 06.09.2021 and the proponent Thiru.G.Peter Robin was also present during inspection with all relevant records.


  
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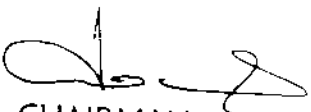
  
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2. The proponent, Thiru.G.Peter Robin proposed to operate a rough stone, and gravel quarry over an extent of 3.05.76 Ha in S.F.No. 449/2, 478/1A1A, 478/1A2, 478/1A3, 479/1A, 479/1B, 479/1C, 479/3A, 479/4A, 479/4B1 & 479/4C1 of Irukkandurai Part II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu.
3. The project/activity is covered under Category "B2" "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
4. This is a fresh quarry and no previous quarrying operation was noticed during the visit.
5. As per village records, Survey No. 473 of Irukkandurai Part II Village is Udayaneri Kulam which is located on the southern side at a distance of 270 m. There is PWD canal in survey no. 478 at a distance of 50 m. in the east and south east side of the proposed quarry site.
6. There is a natural seasonal stream passing through S.nos. 443,597,480 and 479 on the western side. The nearest point is 57 m. from the proposed quarry site.
7. There is no habitation within a distance of 1 km
8. There is a low tension electric line on the southern side of the proposed quarry site and a safety distance of 50 m. has been left.

**Report on Hydro geological studies at Irukkanthurai Part II Village**

1. The geological study of the quarry site and surrounding areas done by Dr.Antony Ravindran, Assistant Professor, Department of Geology, V.O.C. College, Thoothukudi shows that the area is controlled by charnockite and no fracture is found in the massive charnockite. Besides the proposed quarry site is located at the elevated point compare to the water bodies. The water recharge direction is towards eastern coast only. Also, as per the borewell data water aquifer is not available in the lease surrounding area. The nore hole was confirmed that the lithology of formation as Rough Stone and No lime stone layers were found in the proposed site.

  
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The Udayaneri Kulam, located at a distance of 270 m, is full of *Prosopis juliflora* and does not irrigate any agricultural field and there is no ayacut area under this water body.

2. The study conducted in the area has revealed that massive Charnockite formation is available in the area the shallow depth of water i.e 8m to 12m in the nearby areas is possibly due to rainwater storage and the water table is found below 65m only.
3. The water-alkaline test conducted in the borewell and the samples collected from stagnated water of the inactive quarry located adjacent to the proposed quarry has revealed the absence of salty conditions and hence the proposed site is not influenced by sea water intrusion.
4. The head of Zoology department in Vivekananda College has certified that sea turtles move upto 40-50 beyond the high tide line for nesting hence quarry site at a distance of 2.37 Km from sea will not have any impact on sea turtles or any other sea animals
5. The geological study reveals that ground water table is found at a depth of 65 m. and so mining up to a depth of 48 m. will not affect ground water table

Udayaneri lake is on the south eastern side of the proposed quarry site and the flow of water is towards eastern direction. The rock formation in this area is of charnockite and intrusive gneiss and these hard rock formations act as a barrier to stop water seepage into the mining area. Hence mining activity will not have any impact on the Udayaneri lake.

Six investigation bore wells were drilled up to 100 m, three within quarry site and three around the quarry site to study the lithology of the area. It was found to have gneissic rock, garnetic ferrous gneissic rock and charnockite formation only. There is no trace of limestone in the area. But isolated occurrence of calcareous sandstone and fossiliferous limestone are seen in coastal area on the south eastern side more than 5 km from the proposed quarry site.

The proposed quarry site is 2.37 km from the sea and at an elevation of 22 m. above Mean Sea Level. Bore wells were drilled in six sites up to a depth of 100 m. had no

  
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CHAIRMAN  
SEAC- TN



sea water intrusion. The rock formation in this area is of charnockite and intrusive gneiss and these hard rock formations act as a barrier to stop sea water intrusion into the mining area. Quarries operating at a distance of 1.5km and 3.0km away from Sea don't have sea water intrusion.

Thiru. K.Asokan, Head of Zoology Department, Vivekanandha College, Kanniyakumari has given a certificate that sea turtles move up to 40 to 50 m. beyond the High Tide Line for nesting purpose and the quarry site is 2.37 km away from the sea. Hence there won't be any impact on the nesting or movement of sea turtles or any other sea animals.

### RECOMMENDATIONS OF THE SUB COMMITTEE

The Sub-committee opines that the said water tank Udaiyaneri Kulam in Survey Nos. 473 of Irukkandurai Part II village is a Rain fed water body where rain water collects during monsoon and there is no agricultural land irrigated by this tank. Almost the entire adjacent areas have been converted into wind farms.


The quarry site is completely surrounded by dry lands. There is well irrigation in the vicinity of the proposed quarry site and the owner of the land has given a consent letter for operation of the quarry.

There is no sea water intrusion in the existing quarries at a distance of 1.5km from this quarry site and 3kms from the sea.

Hydro-geological study reveals there is no limestone in the area.

The Head of Zoology department, Vivekanandha College, Kanniyakumari has certified that sea turtles move up to 40 to 50m from High Tide Line only and so quarrying in at a distance of 2.37km will not affect sea animals.

The lands surrounding the proposed quarry site on the western, southern and eastern sides of the proposed quarry belongs to the proponent and so the proponent may be directed to raise green belt over the entire width ranging from 15 m. to 50 m.

  
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CHAIRMAN  
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The sub-committee opines that the proposal for quarrying 3.05.76 Ha in S.F.No. 449/2, 478/1A1A, 478/1A2, 478/1A3, 479/1A, 479/1B, 479/1C, 479/3A, 479/4A, 479/4B1 & 479/4C1 of Irukkandurai Part II Village, Radhapuram Taluk, Tirunelveli District, Tamil Nadu may be considered.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.


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


1. Restricting the depth of mining to 38m ultimate depth and quantity of 3,20,675 cu.m of Rough stone, 34,934 cu.m of Weathered rock & 18,090 cu.m of Gravel are permitted for mining over five years considering the environmental impacts due to the mining, safety of the working personnel and following the principle of the sustainable mining.
2. The proponent shall form proper benches as per the approved mining plan during the operation of the quarry considering the hydro-geological regime of the surrounding area as well as for safe mining.
3. The Proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining lease.
4. The proponent shall conduct annual physical fitness test and eye test for all the employees to ensure health & safety during occupation.
5. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to TNPCC once in six months.
6. The Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures be undertaken.
7. The proponent shall erect fencing all around the boundary of the proposed

  
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CHAIRMAN  
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- area with gates for entry/exit as per the conditions and shall furnish the photographs/map showing the same before obtaining the CTO from TNPCB.
8. Greenbelt needs to be developed in the periphery of the mines area preferably adopting Miyawaki scheme of at least 3m width so that at the closure time the trees would have grown well.
  9. Groundwater quality monitoring should be conducted once every six months and the report should be submitted to TNPCB.
  10. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
  11. The Project proponent shall strictly adhere to mine closure plan after ceasing mining operations as committed. Also the proponent shall undertake re-grassing of the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
  12. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
  13. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
  14. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village Road.
  15. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
  16. The proponent shall develop an adequate greenbelt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.
  17. The quarrying activity shall be stopped if the entire quantity indicated in the

  
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Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.

18. 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.
19. To ensure safety measures along the boundary of the quarry site, security guards are to be posted during the entire period of the mining operation.
20. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
21. All the conditions imposed by the Deputy Director, Geology & Mining, Tirunelveli District in the mining plan approval and the precise area communication issued by District Collector, Tirunelveli District should be strictly followed.

Agenda No: 234-31

(File No: 8151/2020)

Proposed Sand quarry lease over an extent of 3.60.0 Ha at S.F.No. 1(P) at Veeramangudi (Devangudi) Village, Papanasam Taluk, Thanjavur District, Tamil Nadu by M/s.The Executive Engineer, PWD/WRD - For Environmental Clearance.

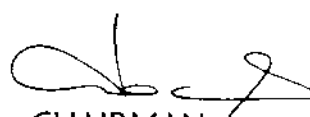
(SIA/TN/MIN/188714/2020 dated: 18.12.2020)

The proposal was placed for appraisal in this 208<sup>th</sup> meeting of SEAC held on 24.03.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, M/s.The Executive Engineer, PWD/WRD has applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 3.60.0 Ha at S.F.No. 1(P) at Veeramangudi (Devangudi) Village, Papanasam Taluk, Thanjavur District, Tamil Nadu.

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

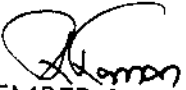
Based on the documents furnished and presentation made by the Proponent, the SEAC, after detailed deliberations, SEAC after detailed deliberations decided to make an onsite inspection to assess the present status of the site by the sub-committee constituted by the SEAC. On receipt of the inspection report from the sub-committee, the SEAC after detailed deliberations decided to take a further course of action on the proposal.


In this connection, the site was inspected by the sub-committee on 18.09.2021(Saturday) and submitted the inspection report to the SEAC for further course of action.

Mining and Monitoring Division of Public Works Department (PWD) of Tamil Nadu had submitted a proposal seeking environmental clearance for a sand quarry in the Coleroon river bed over an extent of 3.60.0ha at S.F.No. 1(P) in Veeramangudi (Devangudi) Village, Papanasam Taluk, Thanjavur District, Tamil Nadu.

The salient features of the sand quarry are

- Size : 300m x 120m Area : 3.60.0 Hectare
- Theoretical Bed Level: 36000m<sup>3</sup>
- Details of Shoal Formation : Maximum width - 47697 m; Average Thickness - 1.325 m
- Details of sand: 36000cu.m
- Elevation : 32.831m(minimum)-34.174(maximum)
- Quantity: 47697m<sup>3</sup> (Shoal above theoretical bed line) + 36000m<sup>3</sup>(sand below theoretical bed line) = 83697m<sup>3</sup>
- Lease Period: 3 Years
- Depth: 1m below theoretical bed level.
- Mining method: Opencast Manual method. The mining operation is carried out by manual loading and transport by Bullock cart.
- No Drilling or blasting is proposed for this type of Sand quarrying.

  
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SEAC -TN

  
CHAIRMAN  
SEAC- TN



This proposal was presented by the consultant during the 208<sup>th</sup> meeting of the SEAC held on 24.03.2021. The SEAC decided to make site inspection by a subcommittee to assess the present status of the site and environmental conditions prevailing in the project site. As per the decision of the 208<sup>th</sup> meeting, a sub-committee with the following members was constituted to make an on-the -spot inspection of the above project site to assess the present status of the site.

1. Dr.S.Mohan, Chairman, SEAC-TN
2. Thiru. V.Shanmugam, Member, SEAC-TN
3. Thiru. B. Sugirtharaj Koilpillai, Member, SEAC-TN


Accordingly, the site located in Coleroon riverbed over an extent of 3.60.0ha at S.F.No. 1(P) in Veeramangudi (Devangudi) Village, Papanasam Taluk, Thanjavur District, Tamil Nadu with the co-ordinates as below was inspected by the sub-committee on 18.09.2021(Saturday).


Point No	Latitude	Longitude
1	10°56'21.29" N	79°9'57.46" E
2	10°56'25.13" N	79°9'57.15" E
3	10°56'26.00" N	79°10'6.99" E
4	10°56'22.29" N	79°10'07.37" E

The location is shown in figure shown below. During this inspection the committee was also accompanied by

1. Thiru. S.Kalyanasundaram, Executive Engineer, Mining and Monitoring Division, Thanjavur
2. Thiru. V. Rajinikanth, Assistant Engineer, Mining and Monitoring section, Thanjavur
3. Thiru. K.Kalaiselvan, Assistant Engineer, Mining and Monitoring section, Thanjavur
4. Thiru. M.Murugaiya, Junior Engineer, Mining and Monitoring section, Thanjavur

The Sub-Committee held detailed discussions with the officers present and assessed

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

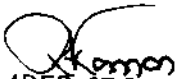



the prevailing site conditions to collect the factual information and took photographs of the salient features of the site to get the first-hand information. The photographs of the site taken at the time of site visit are presented in Annexure 1.

1. The total mine lease area is 3.60.0ha and the estimated mineable sand is 41697m<sup>3</sup> of Shoals & 36000m<sup>3</sup> of sand for 3 years.
2. There is one infiltration well at a distance of about 1.2km from the proposed quarry site on the downstream side.
3. No HT lines were observed with in a distance of 500 m around this proposed sand quarry site.
4. There is a bridge located on the upstream side at a distance of 2 km from the proposed site for quarrying.
5. It was reported that the last floods in the river had occurred in 2018.
6. There was a little surface water flow in the river bed.
7. The proponent need to protect the river bed during mining and transportation activities.
8. The approach road to the river should be maintained properly in such a way that the movement of bullock carts should not affect the river bed/agricultural fields on either side
9. The road for the transport should be made of biological materials as per the direction of Hon'ble High court of Madras.
10. The stack yard should be located with the minimum hauling distance as per as possible.
11. The depth of sand mining should be limited to 1 m or up to theoretical bed level whichever is lower.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the inspection report, presentation made and the documents furnished by the Proponent, the SEAC held detailed discussions and decided to recommend the proposal to SEIAA for grant of Environmental Clearance subject to the following conditions in addition to normal conditions:

  
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SEAC -TN

  
CHAIRMAN  
SEAC- TN


1. Permitted ultimate depth of sand mining is restricted upto 1 m. Hence the quantity that shall be mined up to 1 m as per the mining plan is 36,000 m<sup>3</sup>.
2. During mining and transporting, it is necessary to see that there should not be any damage for the bunds.
3. Environmental Management Plan furnished by the proponent should be strictly followed.
4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village Road.
5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
6. The proponent shall ensure compliance of the conditions imposed in the Precise Area Communication letter and Mine Plan Approval at all times.
7. The quarrying activity shall be stopped in case the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
8. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.

**Agenda No: 234-32**

**(File No: 8152/2020)**

Proposed Sand quarry lease over an extent of 4.80.0 Ha at S.F.No. 291/1A(P) at Govindhanattucherry (Pattugudi) Village, Papanasam Taluk, Thanjavur District, Tamil Nadu by M/s.The Executive Engineer, PWD/WRD - For Environmental Clearance.

**(SIA/TN/MIN/188714/2020 dated: 18.12.2020)**

  
MEMBER SECRETARY  
SEAC -TN

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Chennai-6

  
CHAIRMAN  
SEAC- TN

18.12.2020  
SEAC



The proposal was placed for appraisal in this 208<sup>th</sup> meeting of SEAC held on 24.03.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, M/s. The Executive Engineer, PWD/WRD has applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 291/1A(P) at Govindhanattucherry (Pattugudi) Village, Papanasam Taluk, Thanjavur 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 documents furnished and presentation made by the Proponent, the SEAC, after detailed deliberations, SEAC after detailed deliberations decided to make an onsite inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

On receipt of the inspection report from the sub-committee, the SEAC after detailed deliberations decided to take a further course of action on the proposal.

In this connection, the site was inspected by the sub-committee on 18.09.2021(Saturday) and submitted the inspection report to the SEAC for further course of action.

Mining and Monitoring Division of Public Works Department (PWD) of Tamil Nadu had submitted a proposal seeking environmental clearance for a sand quarry in the Coleroon river bed over an extent of 4.80.0ha at S.F.No. 291/1A(P) in Govindhanattucherry (Pattugudi) Village, Papanasam Taluk, Thanjavur District, Tamil Nadu.

The salient features of the sand quarry are

- Size : 300m x 160m Area : 4.80.0 Hectare
- Theoretical Bed Level: 1,44,000m<sup>3</sup>

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN


- Details of Shoal Formation : Maximum width - 13364 m<sup>3</sup>; Average Thickness – 0.278m
- Details of sand: 48000cu.m
- Elevation : 30.045m(minimum)-29.915(maximum)
- Quantity: 13364m<sup>3</sup> (Shoal above theoretical bed line) + 48000m<sup>3</sup>(sand below theoretical bed line) = 61364m<sup>3</sup>
- Lease Period: 3 Years
- Depth: 1m below theoretical bed level
- Mining method: Opencast semi mechanized method. The mining operation is carried out poclain/excavator into tippers.
- No Drilling or blasting is proposed for this type of Sand quarrying.


This proposal was presented by the consultant during the 208<sup>th</sup> meeting of the SEAC held on 24.03.2021. The SEAC decided to make site inspection by a subcommittee to assess the present status of the site and environmental conditions prevailing in the project site. As per the decision of the 208<sup>th</sup> meeting, a sub-committee with the following members was constituted to make an on-the -spot inspection of the above project site to assess the present status of the site.

1. Dr.S.Mohan, Chairman, SEAC-TN
2. Thiru. V.Shanmugam, Member, SEAC-TN
3. Thiru. B. Sugirtharaj Koilpillai, Member, SEAC-TN

Accordingly, the site located in Coleroon riverbed over an extent of 4.80.0ha at S.F.No. 291/1A(P) in Govindhanattucherry (Pattugudi) Village, Papanasam Taluk, Thanjavur District, Tamil Nadu with the co-ordinates as below was inspected by the sub-committee on 18.09.2021(Saturday).

Point No	Latitude	Longitude
1	10°56'13.45" N	79°11'24.22" E
2	10°56'18.59" N	79°11'23.64" E

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

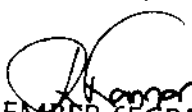
3	10°56'19.46" N	79°11'33.48" E
4	10°56'14.30" N	79°11'33.88" E


The location is shown in figure shown below. During this inspection the committee was also accompanied by

1. Thiru. S.Kalyanasundaram, Executive Engineer, Mining and Monitoring Division, Thanjavur
2. Thiru. V. Rajinikanth, Assistant Engineer, Mining and Monitoring section, Thanjavur
3. Thiru. K.Kalaiselvan, Assistant Engineer, Mining and Monitoring section, Thanjavur
4. Thiru. M.Murugaiya, Junior Engineer, Mining and Monitoring section, Thanjavur

The Sub-Committee held detailed discussions with the officers present and assessed the prevailing site conditions to collect the factual information and took photographs of the salient features of the site to get the first-hand information. The photographs of the site taken at the time of site visit are presented in Annexure 1.

1. The total mine lease area is 4.80.0ha and the estimated mineable sand is 13364m<sup>3</sup> of Shoals & 48000m<sup>3</sup> of sand for 3 Years
2. There is one TWAD infiltration well at a distance of about 750m from the proposed quarry site on the upstream side' The depth of groundwater table was about 5m in the adjacent area.
3. No HT lines were observed with in a distance of 500 m around this proposed sand quarry site.
4. There is a bridge located on the downstream side at a distance of 3 km from the proposed site for quarrying.
5. There is one inlet at a distance of 850m on the upstream side
6. It was reported that the last floods in the river had occurred in 2018
7. There was little surface water flow in the river bed
8. The proponent needs to protect the river bed during mining and transportation activities

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

9. The approach road to the river should be maintained properly in such a way that the movement of trucks/tippers should not affect the agricultural fields on either side
10. The road for the transport should be made of biological materials as per the direction of Hon'ble High court of Madras
11. The stack yard should be located with the minimum hauling distance as per as possible
12. The depth of sand mining should be limited to 1m or up to theoretical bed level whichever is lower.


In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the inspection report, presentation made and the documents furnished by the Proponent, the SEAC held detailed discussions and decided to recommend the proposal to SEIAA for grant of Environmental Clearance subject to the following conditions in addition to normal conditions:

1. Permitted ultimate depth of sand mining is restricted upto 1 m. Hence the quantity that shall be mined upto 1 m as per the mining plan is **48,020 m<sup>3</sup>**.
2. During mining and transporting, it is necessary to see that there should not be any damage for the bunds.
3. Environmental Management Plan furnished by the Proponent should be strictly followed.
4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
6. The proponent shall ensure compliance of the conditions imposed in the Precise Area Communication letter and Mine Plan Approval at all times.

  
MEMBER SECRETARY  
SEAC -TN

Member Secretary  
SEAC - TN  
Chennai-15

  
CHAIRMAN  
SEAC- TN

Chairman  
SEAC - TN  
Chennai-15



7. The quarrying activity shall be stopped in case the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
8. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.

Agenda No: 234-33

(File No: 8229/2021)

Proposed Sand quarry lease over an extent of 4.80.0 Ha at S.F.No. 1(P) at Sathanur Village, Thiruvaiyaru Taluk, Thanjavur District, Tamil Nadu by M/s.The Executive Engineer, PWD/WRD - For Environmental Clearance.

(SIA/TN/MIN/192155/2021 dated: 09.01.2021)

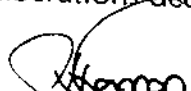
The proposal was placed for appraisal in this 208<sup>th</sup> meeting of SEAC held on 24.03.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).


The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, M/s. The Executive Engineer, PWD/WRD has applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 1(P) at Sathanur Village, Thiruvaiyaru Taluk, Thanjavur 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 documents furnished and presentation made by the Proponent, the SEAC, after detailed deliberations, SEAC after detailed deliberations decided to make an onsite inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

On receipt of the inspection report from the sub-committee, the SEAC after detailed deliberations decided to take a further course of action on the proposal.

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN



In this connection, the site was inspected by the sub-committee on 18.09.2021(Saturday) and submitted the inspection report to the SEAC for further course of action.


Mining and Monitoring Division of Public Works Department (PWD) of Tamil Nadu had submitted a proposal seeking environmental clearance for a sand quarry in the Coleroon river bed over an extent of 4.80.0ha at S.F.No. 1(P) in Sathanur Village, Thiruvaiyaru Taluk, Thanjavur District, Tamil Nadu.

The salient features of the sand quarry are

- Size : 240m x 200m Area : 4.80.0 Hectare
- Theoretical Bed Level: 49150m<sup>3</sup>
- Details of Shoal Formation : Maximum width - 30605m<sup>3</sup>; Average Thickness – 0.6376 m
- Details of sand: 36000cu.m
- Elevation : 46.708m(minimum)-48.025(maximum)
- Quantity: 30605m<sup>3</sup> (Shoal above theoretical bed line) + 49150m<sup>3</sup>(sand below theoretical bed line) = 73615m<sup>3</sup>
- Lease Period: 3 Years
- Depth: 1m below theoretical bed level
- Mining method: Opencast Semi Mechanised method. The mining operation loading poclain/Excavators and transport by tippers.
- No Drilling or blasting is proposed for this type of Sand quarrying.

This proposal was presented by the consultant during the 208<sup>th</sup> meeting of the SEAC held on 24.03.2021. The SEAC decided to make site inspection by a subcommittee to assess the present status of the site and environmental conditions prevailing in the project site. As per the decision of the 208<sup>th</sup> meeting, a sub-committee with the following members was constituted to make an on-the -spot inspection of the above project site to assess the present status of the site.

1. Dr.S.Mohan, Chairman, SEAC-TN
2. Thiru. V.Shanmugam, Member, SEAC-TN
3. Thiru. B. Sugirtharaj Koilpillai, Member, SEAC-TN

  
MEMBER SECRETARY  
SEAC -TN

  
CHAIRMAN  
SEAC- TN

Accordingly, the site located in Coleroon riverbed over an extent of 4.80.0ha at S.F.No. 1(P) in Sathanur Village, Thiruvaiyaru Taluk, Thanjavur District, Tamil Nadu with the co-ordinates as below was inspected by the sub-committee on 18.09.2021(Saturday).


Point No	Latitude	Longitude
1	10°53'18.75" N	79°59'34.12" E
2	10°53'25.17" N	79°59'33.46" E
3	10°53'26.89" N	79°59'41.26" E
4	10°53'20.35" N	79°59'42.94" E


The location is shown in figure shown below. During this inspection the committee was also accompanied by

1. Thiru. S.Kalyanasundaram, Executive Engineer, Mining and Monitoring Division, Thanjavur
2. Thiru. V. Rajinikanth, Assistant Engineer, Mining and Monitoring section, Thanjavur
3. Thiru. K.Kalaiselvan, Assistant Engineer, Mining and Monitoring section, Thanjavur
4. Thiru. M.Murugaiya, Junior Engineer, Mining and Monitoring section, Thanjavur

The Sub-Committee held detailed discussions with the officers present and assessed the prevailing site conditions to collect the factual information and took photographs of the salient features of the site to get the first-hand information.

1. The total mine lease area is 4.80.0ha and the estimated mineable sand is 30605m<sup>3</sup> of Shoals & 49150m<sup>3</sup> of sand for 3 years.
2. There is no open well within a distance of 500 m from the river boundary. The depth of ground water table was about 5m in the adjacent area.
3. No HT lines were observed with in a distance of 500 m around this proposed sand quarry site.
4. There is a bridge located on the upstream side at a distance of 6.0 km from

  
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the proposed site for quarrying.

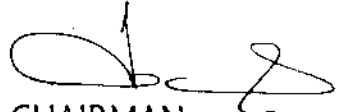
5. There is one Sathanur inlet at a distance of 2.7km on the downstream side.
6. It was reported that the last floods in the river had occurred in 2018.
7. There was little surface water flow in the river bed.
8. The proponent needs to protect the river bed during mining and transportation activities.
9. The road for the transport should be made of biological materials as per the direction of Hon'ble High court of Madras.
10. The approach road to the river should be maintained properly in such a way that plying of Lorries/Tippers should not affect the agricultural fields on either side.
11. The depth of sand mining should be limited to 1 m or up to theoretical bed level whichever is lower.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the inspection report, presentation made and the documents furnished by the Proponent, the SEAC held detailed discussions and decided to recommend the proposal to SEIAA for grant of Environmental Clearance subject to the following conditions in addition to normal conditions:

1. Permitted ultimate depth of sand mining is restricted up to 1 m. Hence the quantity that shall be mined up to 1 m as per the mining plan is 48,000 m<sup>3</sup>.
2. During mining and transporting, it is necessary to see that there should not be any damage for the bunds.
3. Environmental Management Plan furnished by the Proponent should be strictly followed.
4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.

  
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5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
6. The proponent shall ensure compliance of the conditions imposed in the Precise Area Communication letter and Mine Plan Approval at all times.
7. The quarrying activity shall be stopped in case the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
8. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.

Agenda No: 234-34

(File No: 8230/2021)

Proposed Sand quarry lease over an extent of 4.90.0 Ha at S.F.No. 1(P) at Maruvur Village, Thiruvaiyaru Taluk, Thanjavur District, Tamil Nadu by M/s. The Executive Engineer, PWD/WRD - For Environmental Clearance.

(SIA/TN/MIN/191149/2021 dated: 09.01.2021)

The proposal was placed for appraisal in this 208<sup>th</sup> meeting of SEAC held on 24.03.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, M/s. The Executive Engineer, PWD/WRD has applied for Environmental Clearance for the proposed Sand quarry lease over an extent of 1(P) at Sathanur Village, Thiruvaiyaru Taluk, Thanjavur 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 documents furnished and presentation made by the Proponent, the

  
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SEAC, after detailed deliberations, SEAC after detailed deliberations decided to make an onsite inspection to assess the present status of the site by the sub-committee constituted by the SEAC.

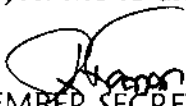
In this connection, the site was inspected by the sub-committee on 18.09.2021(Saturday) and submitted the inspection report to the SEAC for further course of action.

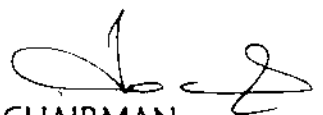
Mining and Monitoring Division of Public Works Department (PWD) of Tamil Nadu had submitted a proposal seeking environmental clearance for a sand quarry in the Coleroon river bed over an extent of 4.90.0ha at S.F.No. 1(P) in Maruvur Village, Thiruvaiyaru Taluk, Thanjavur District, Tamil Nadu.

The salient features of the sand quarry are

- Size : 245m × 200m Area : 4.90.0 Hectare
- Theoretical Bed Level: 49000m<sup>3</sup>
- Details of Shoal Formation : Maximum width – 42245m<sup>3</sup>; Average Thickness – 0.8621 m
- Details of sand: 49000cu.m
- Elevation : 37.353m(minimum)-38.115(maximum)
- Quantity: 42245m<sup>3</sup> (Shoal above theoretical bed line) + 49000m<sup>3</sup>(sand below theoretical bed line) = 91245m<sup>3</sup>
- Lease Period: 3 Years
- Depth: 1m below theoretical bed level
- Mining method: Opencast Mechanised method. The mining operation loading poclain/Excavators and transport by tippers.
- No Drilling or blasting is proposed for this type of Sand quarrying.

This proposal was presented by the consultant during the 208<sup>th</sup> meeting of the SEAC held on 24.03.2021. The SEAC decided to make site inspection by a subcommittee to assess the present status of the site and environmental conditions prevailing in the project site. As per the decision of the 208<sup>th</sup> meeting, a sub-committee with the following members was constituted to make an on-the -spot inspection of the above project site to assess the present status of the site.

  
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1. Dr.S.Mohan, Chairman, SEAC-TN
2. Thiru. V.Shanmugam, Member, SEAC-TN
3. Thiru. B. Sugirtharaj Koilpillai, Member, SEAC-TN

Accordingly, the site located in Coleroon riverbed over an extent of 4.90.0ha at S.F.No. 1(P) in Maruvur Village, Thiruvaiyaru Taluk, Thanjavur District, Tamil Nadu with the co-ordinates as below was inspected by the sub-committee on 18.09.2021(Saturday).


Point No	Latitude	Longitude
1	10°53'08.30" N	79°01'39.72" E
2	10°53'14.19" N	79°01'42.51" E
3	10°53'10.82" N	79°01'49.82" E
4	10°53'204.84" N	79°01'47.13" E

The location is shown in figure shown below. During this inspection the committee was also accompanied by

1. Thiru. S.Kalyanasundaram, Executive Engineer, Mining and Monitoring Division, Thanjavur
2. Thiru. V. Rajinikanth, Assistant Engineer, Mining and Monitoring section, Thanjavur
3. Thiru. K.Kalaiselvan, Assistant Engineer, Mining and Monitoring section, Thanjavur
4. Thiru. M.Murugaiya, Junior Engineer, Mining and Monitoring section, Thanjavur


The Sub-Committee held detailed discussions with the officers present and assessed the prevailing site conditions to collect the factual information and took photographs of the salient features of the site to get the first-hand information.

1. The total mine lease area is 4.90.0ha and the estimated mineable sand is

  
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- 42245m<sup>3</sup> of Shoals & 49000m<sup>3</sup> of sand for 3 Years.
2. There is infiltration well at a distance of about 500 m from the proposed quarry site on the upstream side. The depth of groundwater table was about 5m in the adjacent area.
  3. No HT lines were observed with in a distance of 500 m around this proposed sand quarry site.
  4. There is a bridge located on the upstream side at a distance of 10 km from the proposed site for quarrying.
  5. There is one Sathanur inlet at a distance of 1.3km on the upstream side.
  6. There is one TWAD infiltration well at a distance of 520m on the downstream side.
  7. There is one Vadavur inlet at a distance of 1.2km on the downstream side.
  8. It was reported that the last floods in the river had occurred in 2018.
  9. There was little surface water flow in the river bed.
  10. It was observed that a katcha road made using sand and jelly has been formed inside the river bed. This needs to be removed and road should be formed using biological materials only as per the Sand Mining Guidelines of MoEF & CC and Hon'ble High court of Madras.
  11. The proponent need to protect the river bed during mining and transportation activities.
  12. The approach road to the river should be maintained properly in such a way that the movement of trucks/tippers should not affect the agricultural fields on either side(Picture of the approach road is shown below)
  13. The stack yard should be located with the minimum hauling distance as per as possible.
  14. The depth of sand mining should be limited to 1 m or up to theoretical bed level whichever is lower.

  
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In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the inspection report, presentation made and the documents furnished by the Proponent, the SEAC held detailed discussions and decided to recommend the proposal to SEIAA for grant of Environmental Clearance subject to the following conditions in addition to normal conditions:

1. Permitted ultimate depth of sand mining is restricted upto 1 m. Hence the quantity that shall be mined upto 1 m as per the mining plan is 49,000 m<sup>3</sup>.
2. During mining and transporting, it is necessary to see that there should not be any damage for the bunds.
3. Environmental Management Plan furnished by the Proponent should be strictly followed.
4. Transportation of the quarried materials shall not cause any hindrance to the Village people/Existing Village road.
5. The Project Proponent shall comply with the mining and other relevant rules and regulations where ever applicable.
6. The proponent shall ensure compliance of the conditions imposed in the Precise Area Communication letter and Mine Plan Approval at all times.
7. The quarrying activity shall be stopped in case the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
8. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall furnish the detailed EMP mentioning all the activities as directed by SEAC in the CER and furnish the same.

  
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Agenda No: 232-35

(File No:6214/2018)


Proposed Limestone Mine quarry lease over an extent of 4.75.0Ha at S.F.Nos. 17/1A, 18/2A(P), 18/2B(P) & 18/2C, 19/1A(P), 19/1C(P) & 20/1 of Vayalapadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu by M/s. Sathammai Chemical Pvt Ltd - For Environmental Clearance (Under Violation).

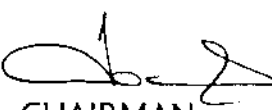
(SIA/TN/MIN/62523/2018,dated: 06.04.2021)

The proposal was placed for appraisal in this 232<sup>th</sup> meeting of SEAC held on 15.09.2021. The project proponent gave a detailed presentation. 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. Sathammai Chemical Pvt Ltd, has applied for Environmental Clearance (Under Violation) for the proposed Limestone Mine quarry lease over an extent of 4.75.0Ha at S.F.Nos. 17/1A, 18/2A(P), 18/2B(P) & 18/2C, 19/1A(P), 19/1C(P) & 20/1 of Vayalapadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" (Under Violation) of Item 1(a)m "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. The total quantity of limestone mined out after 15.01.2016 without prior environmental clearance is 37,270 Tonnes in which 9,130 Tonnes during (15.01.2016 to 31.03.2016) & 28,140 Tonnes (01.04.2016- 12.01.2017).
4. TOR issued by SEIAA-TN under violation vide Letter No. SEIAA-TN/F.No.6214/TOR-363/2018 dated 17.05.2018.
5. The minutes of public hearing conducted on 02.02.2021.
6. The project proponent submitted EIA report to SEIAA-TN on 24.12.2020.
7. The production for the five years (2019 - 2020) to (2023-24) states that the total quantity of recoverable as Limestone should not exceed 253304 MT for ultimate depth of mining is 25m below ground level.

  
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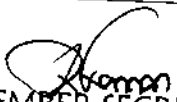
  
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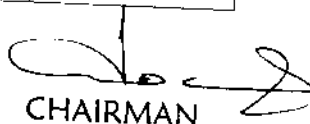


The proponent made a presentation on environment impact assessment report followed by EMP & CER proposals along with assessment of Ecological damage. Remediation plan and natural & community resource augmentation plan due to violation prepared by the NABET consultant as per the guidelines mentioned in the MoEF&CC Notifications dated 14.03.2017 and 08.03.2018. The extract from the report is as follows:


**Ecological Damage Assessment:**

S. No	Ecological Damage Assessment	Remediation Plan	Amount (in Lakhs)
1.	<p><b>Land Environment</b></p> <p>In the total ML area of 4.75.0 Ha, about 3.49.2 Ha is the effective Mining Area after leaving the prescribed safety barriers.</p> <p>Mechanized Opencast Quarrying, without Drilling and Blasting, is adopted with deployment of Rock Breaker.</p> <p>There will be no developmental work and thus, no generation of Overburden wastes. Hence, no Top Soil/OB Dump in the Lease Area.</p> <p>By keeping the same Production Quantity of 89,000 TPA, the entire quantity will be exploited in another 6.8 years.</p> <p>At Conceptual Stage, out of 4.750 Ha Mine Area, 3.492 Ha will be the mine pit which will be left as Water Reservoir for harvesting the Rain Water. About 0.030 Ha</p>	<p>Earthen bunds are to be strengthened along the boundaries to arrest wash-offs.</p> <p>Garland drains are to be constructed and maintained around the Lease.</p> <p>Periodical Maintenance of garland drains shall be done.</p> <p>Green Belt to be developed and maintained along the Lease boundaries and Safety Barriers.</p> <p>The minedout Pit shall be converted into a Water Reservoir to harvest Rain Water and to recharge the Ground Water-table in the vicinity.</p>	1.35

  
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	will be under Roads. About 1.228 Ha (25.85% coverage) will be covered under Green Belt.		
2.	<p><b>Traffic due to Vehicular Movement</b></p> <p>ML-I will deploy 6 Tippers, 2 trips/day (one way) and ML-II will deploy 12 Tippers for 2 Trips/day (one way) to transport 260 TPD and 510 TPD Limestone from the Leases respectively.</p> <p>MDR-618 runs adjacent to the Leases which is the Mineral Transportation Route from the Mine to DCPL Cement Plant via Veppur-Kunnam NH-136 &amp; Perambalur NH-38 for a Road Distance of 74 km.</p> <p>For assessing the baseline status, the Traffic Survey based on Indian Road Congress-IRC: 64/106 Norms were carried out at the Mines Area, Veppur Road Junction and Veppur-Kunnam NH-136 Junction during a Week Day (Wednesday: 05.02.2020) and also during the Week end (Sunday: 09.02.2020). Based on the Survey, the existing Traffic Volumes at the Junctions are computed in Passenger Car Units (PCUs).</p> <p>The existing Traffic Volume at the Mines Area is 629.7 Passenger Car Units</p>	<p>Effective Green Belt with thick foliage has to be developed and maintained along the haul roads.</p> <p>Tippers are to be fully covered with Tarpaulin to avoid any spillage on transportation.</p> <p>No overloading of Tippers is allowed strictly.</p> <p>Safe Speed Limit has to be enforced and monitored continuously.</p> <p>Compliance to 'Pollution under Control' Certification has to be ensured for the Tippers.</p> <p>Restriction of Truck parking in the Public Road has to be implemented.</p> <p>Regular and preventive maintenance of transport vehicles has to be ensured.</p>	

  
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<p>(PCU)/day and will be 796.9 PCU/day during Operation Phase of both Leases.</p> <p>There will be an addition 167.2 PCU/day at Veppur Junction (existing 876.9 PCU/day) and Kunnam-NH Junction (4,044.8 PCU/day) Junctions.</p> <p>The existing Roads are adequate to handle the proposed traffic volume due to the Project.</p>		
<p>3. <b>Air Environment</b></p> <p>The Mining, Loading and Transporting activities would generate both fugitive dust emissions and smoke from HEM</p> <p>Machineries/Equipments &amp; Transporting Tippers.</p> <p>Accordingly, the computed values for various activities in both Leases are :</p> <p>Mineral Excavation : <math>1.57 \times 10^{-6}</math> g/sec</p> <p>Loading : <math>4.57 \times 10^{-5}</math> g/sec</p> <p>Haulage : <math>1.05 \times 10^{-5}</math> g/sec.</p> <p>AERMOD View Software is used for Predicting the maximum Ground Level Concentration (GLC) of the Pollutant <math>PM_{10}</math> (as other Pollutant Levels are in insignificant levels) including the Transportation Impact.</p> <p>The maximum incremental GLC of <math>PM_{10}</math> is found to be</p>	<p>Water sprinkling on the Mining areas, loading point, haul roads, etc. has to be carried out.</p> <p>Covering of trucks/tippers with tarpaulin is to be done during the Mineral transportation.</p> <p>Over loading of Tippers is to be avoided to control the spillages during transportation.</p> <p>Periodical maintenance of quarrying equipments has to be carried out.</p> <p>Tippers are to be maintained periodically.</p> <p>Periodical checkup of vehicles for 'Emission Under Control' Certificate is to be ensured.</p> <p>Effective Green Belt with thick foliage has to be developed along the boundaries and maintained.</p> <p>Ambient Quality has to be periodically monitored in the</p>	

  
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	<p>0.60 ug/m<sup>3</sup> due to the Leases operation and 2.14 ug/m<sup>3</sup> due to the Transportation (Cumulative).</p> <p>The predicted value will not have any significant impact on the Air Environment. Adequate Buffer (67-69%) exist in the Air Environment for the proposed activity.</p>	<p>Lease vicinity.</p> <p>The monitored data are to be periodically submitted as half-yearly Compliance Reports to SEIAA-TN &amp; Regional Office, MoEF&amp;CC, Chennai.</p>	
4.	<p><b>Noise Pollution</b></p> <p>There will be no Drilling and Blasting in the Mine. Excavation, Loading and Transportation activities are the sources of Noise. The noise levels due to the HEM operations would be maintained at &lt;85 db(A) at a distance of 1.5 m from the sources for 8-hours exposure.</p> <p>Ambient Noise level at the boundaries would be maintained &lt;55 dB(A) during day times and &lt;45 dB(A) during night times, well within the MoEF&amp;CC Norms for Residential and Rural Areas.</p>	<p>Deploying HEM equipments will be with in-built acoustic mechanism for reducing noise. Provision of silencers is to made to control the noise generated by the machines. Provision of ear muffs/ear plugs are to be provided the Workers in higher noise zones. Effective Green Belt with thick foliage has to be developed and maintained along the lease boundary to act as acoustic barriers.</p> <p>Ambient as well as Workzone Noise Levels have to be periodically monitored and the Reports submitted to the Authorities.</p>	
5.	<p><b>Water Environment</b></p> <p>Impact on Surface Waters : As per Micro Watershed Atlas of India, the Lease Area falls in Micro Watershed Map 4C1B2a4. There is a First Order Stream which drains the Watershed Area and joins Chinnar River. The ML Areas have the MDR as Northern Boundary and other areas are</p>	<p>Earthen bunds are to be provided along the boundaries to arrest wash-offs.</p> <p>Garland drains are to be constructed around the Lease. Settling Pond has to be provided to the Garland Drains, to settle the Suspended Solids, before</p>	

  
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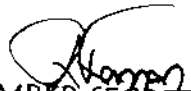
  
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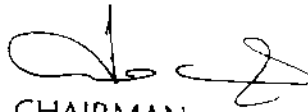


<p>surrounded by Dry Agricultural Lands. There is no Mine Pit Water Discharge and the natural Drain Course from the Mine vicinity reaches to Chinnar River only. Thus, there will not be any impact on the Surface Waters due to the Mines.</p> <p>Impact on Ground Waters : As per TWAD Data, 70 year Normal Rainfall of Ariyalur Rain Gauge Station is 875 mm. Surface Runoffs from the ML Areas is estimated as per Manual of Artificial Recharge of Ground Water (CGWB, 2007). About 14,560 KL/Year is the Pre-Project Runoff and 61,285 KL/Year is the Post Project Runoffs. About 1,825 KL/Year is utilized as Raw Water for the Mines. The Balance Quantity of 46,725 KL/Year is recharging the Ground Water-table in the Mines vicinity. Also, there will be no Ground Water-table Intersection due to the Mining.</p>	<p>letting into the natural drains. Periodical Maintenance of garland drains shall be done. Green Belt shall be developed and maintained along the Lease boundaries and Safety Barriers.</p> <p>The Mined out area will be converted into a Water Reservoir to recharge the Ground Water-table in the vicinity.</p> <p>Water Quality has to be periodically monitored in the Lease vicinity.</p> <p>The monitored data are to be periodically submitted as half-yearly Compliance Reports to SEIAA-TN &amp; Regional Office, MoEF&amp;CC, Chennai.</p>	
Total Amount		1.35

**Natural Resource Augmentation Plan:**

S. No.	Natural Resource Augmentation Activities	Amount (in Lakhs)
1.	i) Effective Green Belt developed has to be developed and maintained with good Survival Rate till Conceptual Stage. ii) Native species will be preferred for the Green Belt development. Total Green Belt Area will be 1.813 Ha (21.79% Coverage) in total 8.32	0.60

  
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Ha.	
Total Amount	0.60


**Community Augmentation Plan:**

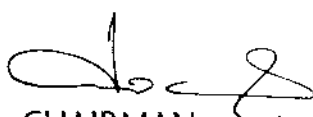
S. No.	Community Augmentation Activities	Amount(in Lakhs)
1.	In responses to the need based assessment study, the following measures are proposed for the society : Joining Hands with District Administration in implementing Govt. Schemes and local developments. Committed for Infrastructure Facility in the Region. Financial support to Govt. Schools. Provision of medical facilities for the villages. Contribution to Education in the area. Carrying out various welfare activities for the benefit of the local population.	0.70
2.	Occupational Health Surveillance Programme is to be carried out for all the Employees periodically with the following tests: Lung function test,ECG,Chest X-ray,Blood analysis test Urine analysis test,Audiometry,Checking colour blindness Stool Analysis,Sputum (Optional). All employees are to undergo Medical Check-up on recruitment and periodically during employment. Maintenance of Pre, during & Post Employment Records are to be kept for periodical review. Required Personal Protective Equipments for the employees are to be provided. Provision of ergonomically designed seats for drivers/operators has to be ensured.	
	Total Amount	0.70

**Corporate Environmental Responsibility:**

S.No.	Corporate Environmental Responsibility Activities	Amount(in Lakhs)
1.	Safe Drinking Water. Promotion of Education. Promotion of Healthcare including Preventive Healthcare. Rural Development Projects.	2

Total Fund allocated for Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation plan is Rs. 2.65 Lacs.

  
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Members  
Dr.  
Chairman



Also, the SEAC observed that the Director of Geology and Mines department vide demand notice Lr. No.Rc.No.70/2019/mines Dt:26.08.2019, has levied a fine of Rs.1,62,39,600/- for quarrying limestone of 37,270 MT for the period of 15.01.2016 & 12.01.2017 without prior Environmental Clearance. In this regard, the proponent has remitted the said fine vide Challan No.33 Dt: 26.08.2021(submitted receipt of fine remitted).

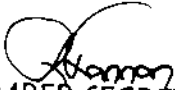
In view of the above and based on the presentation and document furnished by the project proponent for the Ecological damage, remediation plan and natural & community resource augmentation plan, has been accepted by the SEAC. Since this project comes under violation category, a sub-committee needs to visit the site and report to SEAC before final approval.


In this connection, the site was inspected by the sub-committee on 15.09.2021(Friday) and submitted the inspection report to the SEAC for further course of action.

#### **Sub-Committee Observations**

The Sub-Committee held detailed discussions with the officers present and assessed the prevailing site conditions to collect the factual information and took photographs of the salient features of the site to get the first-hand information. The photographs of the site taken at the time of site visit are presented in Annexure 1.

1. There is no quarrying operation during the visit.
2. The fencing has been done properly.
3. There are many required trees are planted around these sides of the mine.
4. These projects were applied under Violation category and the proponent has paid the penalty for both the mines to the mines authority for the mining during the period January 2016 to 12.01.2017. The penalty amount Rs.1,62,39,600/- paid to State Government.
5. In the existing mines the benches are given with due consideration of the safety, and this would be model mine as per mining plan.
6. The green belt was developed in the required area and more plantation of trees are under progress.

  
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7. The committee also discussed with the villages and they are very much satisfied with the spending of Corporate social Responsibility/ corporate Environment Responsibility (CER) fund and many of the nearby villagers are employed in the mines earlier.

Overall, the sites were developed mined as per the mining plan and recommended to the committee to consider the mines environmental Clearance.


#### Sub committee Recommendations

The sub-committee submit the inspection report to SEAC for the further course of action regarding the proposal of the Proposal seeking Environmental clearance Under violation for existing Limestone Quarry lease (Vayalapadi Lease -II) over an extent of 4.75.0Ha by M/s. Sathammai Chemical Pvt Ltd at S.F.Nos. 17/1A, 18/2A(P), 18/2B(P) & 18/2C, 19/1A(P), 19/1C(P) & 20/1 of Vayalapadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

As per SEAC-TN guidelines, the ecological damage and the remediation / augmentation plan falls under low level ecological damage category for limestone as follows:

SEAC-TN guideline for calculation of Low - level Ecological damage category				
Level of damage	Ecological Remediation Cost	Natural Resource Augmentation cost	Community Resource Augmentation cost	Corporate Environmental Responsibility Cost
	(Rs. Lakhs/ Hectare).			
Low level Ecological damage for Lime stone Mine	0.25	0.30	0.40	0.25

  
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Calculation of Cost of Ecological Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan for Low level Ecological damage category – Lime stone mining – Area Extent(4.75.00 ha).

Level of damage	Ecological Remediation Cost (Rs.0.25 Lakhs/ Hectare).	Natural Resource Augmentation cost (Rs.0.30 Lakhs/ Hectare ).	Community Resource Augmentation cost (Rs.0.40 Lakhs/ Hectare).	Corporate Environmental Responsibility (Rs.0.25 Lakhs/ Hectare).	Total (Rs. Lakhs)
Low level Ecological damage	1.188	1.425	1.9	1.188	5.70

The total cost of Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation cost is Rs. 4.513 lakhs as per SEAC-TN guidelines for calculation of Low - level Ecological damage category is taken up which is greater than the cost Rs. 2.65 Lakhs arrived by the EIA coordinator.

The SEAC observed that the proposed lime stone mining activity was carried out without prior environmental clearance & the proposal seeking Environmental Clearance under violation category at S.F.Nos. 17/1A, 18/2A(P), 18/2B(P) & 18/2C, 19/1A(P), 19/1C(P) & 20/1 of Vayalapadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu by M/s. Sathammai Chemical Pvt Ltd which is categorized under the "Low level ecological damage category". The SEAC decided to recommended the project proposal for grant of Environmental Clearance subject to the following conditions, in addition to standard conditions stipulated by the MoEF&CC:

1. As per the MoEF& CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of

  
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remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.

2. Accordingly, the amount prescribed for Ecological remediation (Rs.1.188 lakhs), natural resource augmentation (Rs.1.425lakhs) & community resource augmentation (Rs.1.9 lakhs), totaling Rs. 4.513 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs. 4.513 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.
3. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
4. The amount committed by the Project proponent for CER (Rs.2Lakhs) 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.
5. The project proponent shall allocate a separate area for waste dumping and proper protective structure may be made to contain the fugitive emissions from the same.
6. The project proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining areas.
7. The mining timings should also be displayed at strategic locations.
8. The project proponent should not carry out mining below the ground water table without the NoC /permission from the Central Ground water Authority

  
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9. The proponent shall form the proper benches during the operation of quarry.
10. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to SEIAA once in six months.
11. Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures undertaken.
12. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs / map of the same before obtaining the CTO from TNPCB.
13. Greenbelt needs to be developed in the periphery of the mines area so that at the closure time the trees would have grown well.
14. Ground water quality monitoring should be conducted once every six months and the report shall be submitted to TNPCB.
15. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
16. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
17. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
18. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
19. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village road.

  
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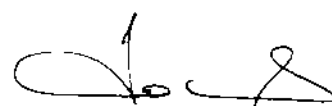
20. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
21. The proponent shall develop an adequate green belt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.
22. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
23. 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.
24. 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.
25. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine.
26. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
27. All the condition imposed by the in the mining plan approval letter issued by Indian Bureau of Mines vide letter No. TN/PBR/LST/ROMP-1528.MDS Dated 05.11.2018 should be strictly followed.
- 28) The project proponent shall conduct occupational health checkup including pulmonary function test (PFT) and X-ray for all employees at regular intervals.

Agenda No: 232-36

(File No: 6211/2018)

Existing Limestone quarry lease area over an extent of 3.57.0Ha at S.F.No: 14/3A(P), 14/3B(P), 15/1A(P), 15/1B(P), 18/3A, 18/3B & 18/3C of Vayalapadi Village, Kunnam Taluk, Perambalur District Tamil Nadu by M/s. Samayapuram Vel Industries Private Ltd – For Environmental Clearance (Under Violation).

  
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(SIA/TN/MIN/27615/2018, dated:02.04.2021)

The proposal was placed for appraisal in this 217<sup>th</sup> meeting of SEAC held on 06.07.2021. The details of the project furnished by the proponent are given on the website (parivesh.nic.in).

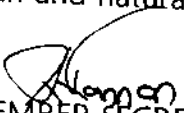
The SEAC noted the following:


1. The project proponent, M/s. Samayapuram Vel Industries Private Ltd. has applied for Environmental Clearance (Under Violation) for the Existing Limestone quarry over an extent of 3.57.0Ha at S.F.Nos. 14/3A(P), 14/3B(P), 15/1A(P), 15/1B(P), 18/3A, 18/3B & 18/3C of Vayalapadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" (Under Violation) of Item 1(a) "Mining & Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. ToR was Issued by SEIAA-TN vide Letter No. SEIAA-TN/F.No.6211/TOR-358/2018 Dated: 17.05.2018.
4. ToR amendment was issued by SEIAA-TN vide Letter No. SEIAA-TN/F - 6211/SEAC-CXVIII/TOR-358(A)/2018 Dt.30.07.2018
5. Public hearing conducted on 02.02.2021
6. Project proponent submitted EIA report to SEIAA-TN on 09.05.2021. The production for the five years (2018-19 to 2022-23) states that the total quantity of recoverable as 1,91,884 Tonnes of Limestone should not exceed for the ultimate depth of mining is 26m below ground level.

On initial discussion, SEAC noted that only the project proponent attended the meeting, the EIA co-coordinator has not attended the meeting, hence the committee has not taken up the project for appraisal, and the proposal is deferred.

The proposal was placed for appraisal in this 232<sup>th</sup> meeting of SEAC held on 15.09.2021.

The proponent made presentation on environment impact assessment report followed by EMP & CER proposals along with assessment of Ecological damage, Remediation plan and natural & community resource augmentation plan due to violation prepared

  
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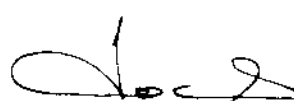
by the NABET consultant as per the guidelines mentioned in the MoEF&CC Notifications dated 14.03.2017 and 08.03.2018. The extract from the report is as follows:

**Ecological Damage Assessment:**

S. No	Ecological Damage Assessment	Remediation Plan	Amount (in Lakhs)
1	<p><b>Land Environment</b></p> <p>In the total ML area of 3.57.0 Ha, about 3.22.0 Ha is the effective Mining Area after leaving the prescribed safety barriers.</p> <p>Mechanized Opencast Quarrying, without Drilling and Blasting, is adopted with deployment of Rock Breaker.</p> <p>There will be no developmental work and thus, no generation of Overburden wastes. Hence, no Top Soil/OB Dump in the Lease Area.</p> <p>By keeping the same Production Quantity of 45,000 TPA, the entire quantity will be exploited in another 12.6 years.</p> <p>At Conceptual Stage, out of 3.570 Ha Mine Area, 3.220 Ha will be the mine pit which will be left as Water Reservoir for harvesting the Rain Water. About 0.020 Ha will be under Roads. About 0.300 Ha (8.4% coverage) will be covered under Green Belt.</p>	<p>Earthen bunds are to be strengthened along the boundaries to arrest wash-offs.</p> <p>Garland drains are to be constructed and maintained around the Lease.</p> <p>Periodical Maintenance of garland drains shall be done.</p> <p>Green Belt to be developed and maintained along the Lease boundaries and Safety Barriers.</p> <p>The mined out Pit shall be converted into a Water Reservoir to harvest Rain Water and to recharge the Ground Water-table in the vicinity.</p>	1.35

  
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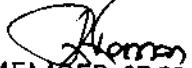
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<p>2 Traffic due vehicular movement ML-I will deploy 6 Tippers, 2 trips/day (one way) and ML-II will deploy 12 Tippers for 2 Trips/day (one way) to transport 260 TPD and 510 TPD Limestone from the Leases respectively. MDR-618 runs adjacent to the Leases which is the Mineral Transportation Route from the Mine to DCPL Cement Plant via Veppur-Kunnam NH-136 &amp; Perambalur NH-38 for a Road Distance of 74 km.</p> <p>For assessing the baseline status, the Traffic Survey based on Indian Road Congress-IRC: 64/106 Norms were carried out at the Mines Area, Veppur Road Junction and Veppur-Kunnam NH-136 Junction during a Week Day (Wednesday: 05.02.2020) and also during the Week end (Sunday: 09.02.2020). Based on the Survey, the existing Traffic Volumes at the Junctions are computed in Passenger Car Units (PCUs) and given.</p> <p>The existing Traffic Volume at the Mines Area is 629.7 Passenger Car Units (PCU)/day and will be 796.9 PCU/day during Operation Phase of both Leases.</p> <p>There will be an addition 167.2 PCU/day at Veppur Junction (existing 876.9 PCU/day) and Kunnam-NH Junction (4,044.8 PCU/day) Junctions.</p> <p>The existing Roads are adequate</p>	<p>Effective Green Belt with thick foliage has to be developed and maintained along the haul roads.</p> <p>Tippers are to be fully covered with Tarpaulin to avoid any spillage on transportation.</p> <p>No overloading of Tippers is allowed strictly.</p> <p>Safe Speed Limit has to be enforced and monitored continuously.</p> <p>Compliance to 'Pollution under Control' Certification has to be ensured for the Tippers.</p> <p>Restriction of Truck parking in the Public Road has to be implemented.</p> <p>Regular and preventive maintenance of transport vehicles has to be ensured.</p>
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	to handle the proposed traffic volume due to the Project.		
3	<p><b>Air Environment</b></p> <p>The Mining, Loading and Transporting activities would generate both fugitive dust emissions and smoke from HEM Machineries/Equipments &amp; Transporting Tippers.</p> <p>Accordingly, the computed values for various activities in both Leases are :</p> <p>Mineral Excavation : <math>1.57 \times 10^{-6}</math> g/sec  Loading : <math>4.57 \times 10^{-5}</math> g/sec  Haulage : <math>1.05 \times 10^{-5}</math> g/sec.</p> <p>AERMOD View Software is used for Predicting the maximum Ground Level Concentration (GLC) of the Pollutant <math>PM_{10}</math> (as other Pollutant Levels are in insignificant levels) including the Transportation Impact.</p> <p>The maximum incremental GLC of <math>PM_{10}</math> is found to be 0.60 ug/m<sup>3</sup> due to the Leases operation and 2.14 ug/m<sup>3</sup> due to the Transportation (Cumulative).</p> <p>The predicted value will not have any significant impact on the Air Environment. Adequate Buffer (67-69%) exist in the Air Environment for the proposed activity.</p>	<p>Water sprinkling on the Mining areas, loading point, haul roads, etc. has to be carried out.</p> <p>Covering of trucks/tippers with tarpaulin is to be done during the Mineral transportation.</p> <p>Over loading of Tippers is to be avoided to control the spillages during transportation.</p> <p>Periodical maintenance of quarrying equipments has to be carried out.</p> <p>Tippers are to be maintained periodically.</p> <p>Periodical check up of vehicles for 'Emission Under Control' Certificate is to be ensured.</p> <p>Effective Green Belt with thick foliage has to be developed along the boundaries and maintained. Ambient Quality has to be periodically monitored in the Lease vicinity.</p> <p>The monitored data are to be periodically submitted as half-yearly Compliance Reports to SEIAA-TN &amp; Regional Office, MoEF&amp;CC, Chennai.</p>	

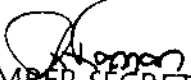
  
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4	<p><b>Noise Pollution</b></p> <p>There will be no Drilling and Blasting in the Mine. Excavation, Loading and Transportation activities are the sources of Noise. The noise levels due to the HEM operations would be maintained at &lt;85 db(A) at a distance of 1.5 m from the sources for 8-hours exposure.</p> <p>Ambient Noise level at the boundaries would be maintained &lt;55 dB(A) during day times and &lt;45 dB(A) during night times, well within the MoEF&amp;CC Norms for Residential and Rural Areas.</p>	<p>Deploying HEM equipments will be with in-built acoustic mechanism for reducing noise.</p> <p>Provision of silencers is to made to control the noise generated by the machines.</p> <p>Provision of ear muffs/ear plugs are to be provided the Workers in higher noise zones.</p> <p>Effective Green Belt with thick foliage has to be developed and maintained along the lease boundary to act as acoustic barriers.</p> <p>Ambient as well as Workzone Noise Levels have to be periodically monitored and the Reports submitted to the Authorities.</p>
5	<p><b>Water Environment</b></p> <p>Impact on Surface Waters : As per Micro Watershed Atlas of India, the Lease Area falls in Micro Watershed Map 4C1B2a4. There is a First Order Stream which drains the Watershed Area and joins Chinnar River. The ML Areas have the MDR as Northern Boundary and other areas are surrounded by Dry Agricultural Lands. There is no Mine Pit Water Discharge and the natural Drain Course from the Mine vicinity reaches to Chinnar River only. Thus, there will not be any impact on the Surface Waters due to the Mines.</p> <p>Impact on Ground Waters : As</p>	<p>Earthen bunds are to be provided along the boundaries to arrest wash-offs.</p> <p>Garland drains are to be constructed around the Lease. Settling Pond has to be provided to the Garland Drains, to settle the Suspended Solids, before letting into the natural drains. Periodical Maintenance of garland drains shall be done. Green Belt shall be developed and maintained along the Lease boundaries and Safety Barriers.</p> <p>The Mined out area will be converted into a Water</p>

  
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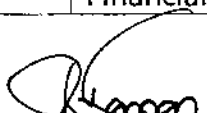
per TWAD Data, 70 year Normal Rainfall of Ariyalur Rain Gauge Station is 875 mm. Surface Runoffs from the ML Areas is estimated as per Manual of Artificial Recharge of Ground Water (CGWB, 2007). About 14,560 KL/Year is the Pre-Project Runoff and 61,285 KL/Year is the Post Project Runoffs. About 1,825 KL/Year is utilized as Raw Water for the Mines. The Balance Quantity of 46,725 KL/Year is recharging the Ground Water-table in the Mines vicinity. Also, there will be no Ground Water-table Intersection due to the Mining.	Reservoir to recharge the Ground Water-table in the vicinity. Water Quality has to be periodically monitored in the Lease vicinity. The monitored data are to be periodically submitted as half-yearly Compliance Reports to SEIAA-TN & Regional Office, MoEF&CC, Chennai.	
Total Amount		1.35

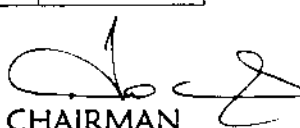
**Natural Resource Augmentation Plan:**

S. No.	Natural Resource Augmentation Activities	Amount(in Lakhs)
1.	Effective Green Belt developed has to be developed and maintained with good Survival Rate till Conceptual Stage. Native species will be preferred for the Green Belt development. Total Green Belt Area will be 1.813 Ha (21.79% Coverage) in total 8.32 Ha.	0.60
Total Amount		0.60

**Community Augmentation Plan:**

S.No.	Community Augmentation Activities	Amount(in Lakhs)
1.	In responses to the need based assessment study, the following measures are proposed for the society : Joining Hands with District Administration in implementing Govt. Schemes and local developments. Committed for Infrastructure Facility in the Region. Financial support to Govt. Schools.	0.35

  
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	Provision of medical facilities for the villages. Contribution to Education in the area. Carrying out various welfare activities for the benefit of the local population.	
2.	Occupational Health Surveillance Programme is to be carried out for all the Employees periodically with the following tests: Lung function test, ECG, Chest X-ray, Blood analysis test Urine analysis test, Audiometry, Checking colour blindness Stool Analysis, Sputum (Optional). All employees are to undergo Medical Check-up on recruitment and periodically during employment. Maintenance of Pre, during & Post Employment Records are to be kept for periodical review. Required Personal Protective Equipment for the employees are to be provided. Provision of ergonomically designed seats for drivers/operators has to be ensured.	
Total Amount		0.35


**Corporate Environmental Responsibility:**


S.No.	Corporate Environmental Responsibility Activities	Amount (in Lakhs)
1.	Safe Drinking Water. Promotion of Education. Promotion of Healthcare including Preventive Healthcare. Rural Development Projects.	2

Total Fund allocated for Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation plan is Rs. 2.30 Lacs.

Also, the SEAC observed that the Director of Geology and Mines department vide Demand Notice Lr.No.Rc.No.70/2019/mines Dt:26.08.2019, has levied a fine of Rs.1,60,26,400/- for quarrying limestone of 37,340 MT for the period of 15.01.2016 & 17.01.2017 without prior Environmental Clearance. In this regard, the proponent has remitted the said fine vide Challan No.34 Dt: 26.08.2021 (submitted receipt of fine remitted).

In view of the above and based on the presentation and document furnished by the project proponent for the Ecological damage, remediation plan and natural & community resource augmentation plan, has been accepted by the SEAC. Since this project comes

  
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under violation category, a sub-committee needs to visit the site and report to SEAC before final approval.

In this connection, the site was inspected by the sub-committee on 15.09.2021(Friday) and submitted the inspection report to the SEAC for further course of action.

#### **Sub-Committee Observations**

The Sub-Committee held detailed discussions with the officers present and assessed the prevailing site conditions to collect the factual information and took photographs of the salient features of the site to get the first-hand information. The photographs of the site taken at the time of site visit are presented in Annexure 1.

1. There is no quarrying operation during the visit.
2. The fencing has been done properly.
3. There are many required trees are planted around these sides of the mine.
4. These projects were applied under Violation category and the proponent has paid the penalty for both the mines to the mines authority for the mining during the period January 2016 to 17.01.2017. The penalty amount Rs.1,60,26,400/- paid to State Government.
5. In the existing mines the benches are given with due consideration of the safety, and this would be model mine as per mining plan.
6. The green belt was developed in the required area and more plantation of trees are under progress.
7. The committee also discussed with the villages and they are very much satisfied with the spending of Corporate social Responsibility/ corporate Environment Responsibility (CER) fund and many of the nearby villagers are employed in the mines earlier.



Overall, the sites were developed mined as per the mining plan and recommended to the committee to consider the mines environmental Clearance.

#### **Sub committee Recommendations**

The sub-committee submit the inspection report to SEAC for the further course of action regarding the proposal of the Proposal seeking Environmental clearance Under violation for existing Limestone quarry lease (Vayalapadi Lease -I) over an extent of

  
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3.57.0Ha by M/s. Samayapuram Vel Industries Private Ltd at S.F.Nos. 14/3A(P), 14/3B(P), 15/1A(P), 15/1B(P), 18/3A, 18/3B & 18/3C of Vayalapadi Village, Kunnam Taluk, Perambalur District, Tamil Nadu.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.


As per SEAC-TN guidelines, the ecological damage and the remediation / augmentation plan falls under low level ecological damage category for limestone mining as follows:

SEAC-TN guideline for calculation of Low - level Ecological damage category				
Level of damage	Ecological Remediation Cost	Natural Resource Augmentation cost	Community Resource Augmentation cost	CER Cost
	(Rs. Lakhs/ Hectare).			
Low level Ecological damage for Lime stone Mine	0.25	0.30	0.40	0.25

Calculation of Cost of Ecological Remediation Plan, Natural Resource Augmentation Plan and Community Resource Augmentation Plan for Low level Ecological damage category – Lime stone mining – Area Extent(3.57.00 ha).

Level of damage	Ecological Remediation Cost (Rs.0.25 Lakhs/ Ha.).	Natural Resource Augmentation cost (Rs.0.30 Lakhs/ Hectare)	Community Resource Augmentation cost (Rs.0.40 Lakhs/ Hectare).	Corporate Environmental Responsibility (Rs.0.25 Lakhs/ Hectare).	Total (Rs. Lakhs)

  
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Low level Ecological damage	0.893	1.071	1.428	0.893	4.285
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The total cost of Ecological remediation, Natural Resource Augmentation and Community Resource Augmentation cost is Rs. 3.392 lakhs as per SEAC-TN guidelines for calculation of Low - level Ecological damage category is taken up which is greater than the cost Rs. 2.30 Lakhs arrived by the EIA coordinator.

The SEAC observed that the proposed lime stone mining activity was carried out without prior environmental clearance & the proposal seeking Environmental Clearance under violation category at S.F.No: 14/3A(P), 14/3B(P), 15/1A(P), 15/1B(P), 18/3A, 18/3B & 18/3C of Vayalapadi Village, Kunnam Taluk, Perambalur District Tamil Nadu by M/s. Samayapuram Vel Industries Private Ltd which is categorized under the "low level ecological damage category". The SEAC decided to recommended the project proposal for grant of Environmental Clearance subject to the following conditions, in addition to standard conditions stipulated by the MoEF&CC:

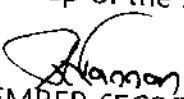
1. As per the MoEF& CC Notification, S.O.1030 (E) dated:08.03.2018, "The project proponent shall submit a bank guarantee equivalent to the amount of remediation plan and Natural and Community Resource Augmentation Plan with the State Pollution Control Board and the quantification will be recommended by the Expert Appraisal Committee for category A projects or by the State or Union territory level Expert Appraisal Committee for category B projects, as the case may be, and finalized by the concerned Regulatory Authority, and the bank guarantee shall be deposited.
2. Accordingly, the amount prescribed for Ecological remediation (Rs. 0.893lakhs), natural resource augmentation (Rs. 1.071 lakhs) & community resource augmentation (Rs. 1.428 lakhs), totaling Rs. 3.392 Lakhs. Hence the SEAC decided to direct the project proponent to remit the amount of Rs.3.392 Lakhs in the form of bank guarantee to Tamil Nadu Pollution Control Board and submit the acknowledgement of the same to SEIAA-TN. The funds shall be utilized for the

  
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remediation plan, Natural resource augmentation plan & Community resource augmentation plan as indicated in the EIA/EMP report.

3. The project proponent shall carry out the works assigned under ecological damage, natural resource augmentation and community resource augmentation within a period of one year. If not, the bank guarantee will be forfeited to TNPCB without further notice.
4. The amount committed by the Project proponent for CER (Rs.2 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.
5. The project proponent shall allocate a separate area for waste dumping and proper protective structure may be made to contain the fugitive emissions from the same.
6. The project proponent should install cautionary boards at the entry and important locations of the mining site displaying caution notice to the public about the danger of entering the mining areas.
7. The mining timings should also be displayed at strategic locations.
8. The project proponent should not carry out mining below the ground water table without the NoC /permission from the Central Ground water Authority
9. The proponent shall form the proper benches during the operation of quarry.
10. Fugitive emission measurements should be carried out during the mining operation and the report on the same may be submitted to SEIAA once in six months.
11. Proponent shall ensure that the Noise level is monitored during mining operation at the project site and adequate noise level reduction measures undertaken.
12. The proponent shall erect fencing all around the boundary of the proposed area with gates for entry/exit as per the conditions and shall furnish the photographs / map of the same before obtaining the CTO from TNPCB.

  
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13. Greenbelt needs to be developed in the periphery of the mines area so that at the closure time the trees would have grown well.
14. Ground water quality monitoring should be conducted once every six months and the report shall be submitted to TNPCB.
15. After mining is completed, proper leveling should be done by the Project proponent & Environmental Management Plan furnished by the Proponent should be strictly followed.
16. The Project proponent shall, after ceasing mining operations, undertake re-grassing the mining area and any other area which may have been disturbed due to their mining activities and restore the land to a condition that is fit for the growth of fodder, flora, fauna etc.
17. Proper barrier to reduce noise level, dust pollution and to hold down any possible fly material (debris) should be established by providing greenbelt and/or metal sheets along the boundary of the quarrying site and suitable working methodology to be adopted by considering the wind direction.
18. The operation of the quarry should not affect the agriculture activities & water bodies near the project site and a safety distance of 50m from the water body should be left vacant without any mining activity.
19. Transportation of the quarried materials shall not cause any hindrance to the Village people or damage to the existing Village road.
20. The Project Proponent shall comply with the mining and other relevant rules and regulations wherever applicable.
21. The proponent shall develop an adequate green belt with native species on the periphery of the mine lease area before the commencement of the mining activity, in consultation with DFO of the concerned district/agriculture.

  
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22. The quarrying activity shall be stopped if the entire quantity indicated in the Mining plan is quarried even before the expiry of the quarry lease period and the same shall be monitored by the District Authorities.
23. 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.
24. 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.
25. The mine closure plan submitted by the project proponent shall be strictly followed after the lapse of the mine.
26. 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 as proposed in the CER and furnish the same before placing the subject to SEIAA.
27. All the condition imposed by the in the mining plan approval letter issued by Indian Bureau of Mines vide letter No. TN/PBR/LST/ROMP-1528.MDS Dated 05.11.2018 should be strictly followed.
- 29) The project proponent shall conduct occupational health checkup including pulmonary function test (PFT) and X-ray for all employees at regular intervals.

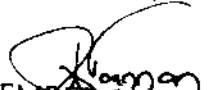
Agenda No: 234-37


(File No: 8231/2021)

Proposed Construction of Residential & Commercial Development, Nolambur Village, Madhuravoyal Taluk, Chennai District by M/s. Brigade Enterprises Limited - For Terms of Reference.

(SIA/TN/MIS/217696/2021dated: 02.07.2021).

The proposal was placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021. The details of the project furnished by the proponent are available on the website (parivesh.nic.in).

  
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The project proponent gave detailed presentation. SEAC noted the following:

1. The Project Proponent, M/s. Brigade Enterprises Limited has applied for Terms of Reference for the Proposed Construction of Residential & Commercial Development, Nolambur Village, Madhuravoyal Taluk, Chennai District.
2. The project/activity is covered under category "B1" of Item 8(b) "Township & Area Development Projects" of the Schedule to the EIA Notification, 2006.
3. EC issued vide Letter. No. SEIAA-TN/F-1067/EC(8a)/378/2013 Dt:30.03.2015.

Earlier, Terms of Reference (TOR) was issued to the proposed project vide SEIAA Lr.No.SEIAA-TN/F.No.8231/SEAC/8 (b)/TOR-943/2021 Dt:27.04.2021.

In this connection, the Sub-Committee held detailed discussions with the project proponent of the building project Brigade Enterprises Limited and visited the project site on 20<sup>th</sup> September, 2021 (Monday) to collect the factual information and the details are presented below.

#### Observation of the Sub-Committee:

The following are the observations by the Sub-Committee Team during field visit on September 20<sup>th</sup>, 2021 (Monday) to the project site.

During the discussion with the project proponent at the time of inspection, the following observations were made:

1. The water balance has not been revised appropriately and hence the project proponent was instructed to revise the water balance and accordingly the STP and grey water design has to be revised. The treated water should not be let out into CMWSSB and it should be used for green belt development or it shall be used for avenue plantation with Corporation/Municipality after getting due permission from the Corporation/Municipality.
2. The project proponent was instructed to submit the actual change in their plan which are proposed in this EC application.
3. It was witnessed that the block A,B,C,D are completely occupied and blocks E, F,G,H,J,K,L are under construction. Club house is also constructed and it is in operation.

  
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4. The project proponent has informed that they are generating around 2% solar power of the total power requirement.

#### RECOMMENDATIONS

The Sub-Committee submit the inspection report to SEAC for the further course of action regarding the proposal of the Proposal seeking Terms of Reference for the expansion Residential cum Commercial Development by M/s. Brigade Enterprises Limited in S. Nos. 118/1, 119, 120, 124/1A2A, 134, 135, 136/1, 136/2, 137/1, 137/2, 137/3, 138, 140, 143/1, 144, 145/1, 145/2, 146/1, 146/2, 147/1, 147/3, 154/2, 155, 158/1B2, 158/2B2, 159, 160, 161, 163/1B, 163/2 & 163/3 of Nolambur Village, Maduravoyal Taluk, Chennai District, Tamil Nadu.

In this regard, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

Based on the inspection report of sub-committee and the documents furnished by the Project proponent, SEAC after detailed deliberations decided to call for the proponent for presentation in any one of the forthcoming SEAC meetings.

Agenda No: 234-38

(File No: 4045/2020)

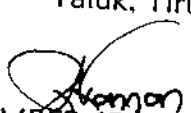
Proposed Colour Granite Quarry lease over an extent of 22.88.5Ha at S.F.No. 55A/1B1 (Part) at Sengunam Village, Polur Taluk, Tiruvannamalai District, Tamil Nadu by M/s. Tamil Nadu Minerals Limited – For Environmental Clearance.

(SIA/TN/MIN/59723/2019, dated: 08.01.2021)

The proposal was placed in this 218<sup>th</sup> meeting of SEAC held on 09.07.2021. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The project proponent gave detailed presentation. SEAC noted the following:

1. The Proponent, M/s. Tamil Nadu Minerals Limited has applied seeking Environmental Clearance for the proposed Colour Granite Quarry lease over an extent of 22.88.5 Ha at S.F.No. 55A/1B1 (Part) at Sengunam Village, Polur Taluk, Tiruvannamalai District, Tamil Nadu.

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

Based on the presentation made and the documents furnished by the Project proponent, SEAC directed to submit the following additional particulars

1. To revise assessment of Ecological damage, remediation plan and natural & community resource augmentation plan by the accredited consultant and also with collection and analysis of data for the 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, 1986, accredited by NABET or a laboratory of Council of Scientific and Industrial Research Institutions working in the field of Environment.
2. To furnish details of measures taken regard to control of noise, fugitive emission and safety of wild animals and for the grievances mentioned during public hearing as per the public hearing minutes.
3. The Proponent shall carry out the impact study due to mining on the environment in terms of ambient air quality considering vehicular movement & noise level and the Environment Management plan should be prepared, accordingly.
4. To furnish NOC from District Forest Officer, Tiruvannamalai District with regard to the existence/Non - existence of wild animals & birds as mentioned during public hearing by the general public in the proposed mining area.
5. The proponent shall furnish photographs of adequate fencing, green belt along the periphery under Miyawaki method with native species including re-plantation of existing trees as per the approved mining plan.
6. The proponent shall furnish details of silica/PM<sub>2.5</sub> & PM<sub>10</sub> exposure survey conducted for the nearby residents & employees.

Further, SEAC after detailed deliberations decided to make an onsite inspection to assess the present environmental settings of the project site by the sub-committee to

  
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be constituted by the SEAC. On receipt of the aforesaid details, SEAC would further deliberate on this project and decide the further course of action.

In this connection, the site was inspected by the sub-committee on 04.09.2021(Saturday) and submitted the inspection report to the SEAC for further course of action.


#### OBSERVATIONS OF THE SUB-COMMITTEE

- The quarry field is mountain and has its own ecology of Grass and thousands of huge rocks as shown in the photo
- During the visit, the mining operation is not found
- There are no houses nearby or within the radius of 300 m
- Many boulders brought from the top of the mountain to foot of the hills and making cut as per the size of the stone are rejected due to minor cracks and colour variation
- The native grass and native trees Pungan and Neem are not disturbed due to the quarry operation
- The proponent also planted some trees at foot of the hills which are well grown now.
- There is no human habitation either as agriculturist or as local residents.
- The committee has not found any cattle grazing nearby the quarry field.

#### RECOMMENDATIONS OF THE SUB COMMITTEE

After the inspection of the field on 04-09-2021 the subcommittee furnish the following recommendation

- The quarry operation is around 22.88.5 Ha only in the mountain area. The Natural stones from the mountain is brought to foot and making cut for required size. So the damage on the ecosystem is minimal.
- Since there is no human activities nearby the hills, there shall not be any severe ecological damage in and around the field. But the proponent shall furnish the study of Ecological damage / status report

  
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- The proponent shall be given EC and shall be allowed to operate the Quarry to maximize the good quality of stone.
- Directed to get the NOC from the forest office about the non-existence of wild animals
- Few houses are seen at the entrance of the Ghat route, which is more than 1.50 km (aerial route) away from the quarry site. While interacting with them regarding the effects of the quarry on settlement they said that they are not at all affected because of this project.
- Since the quarry operation is partly in the hill and foot of the hills. So there is no need of fencing the Quarry area.
- There is no cutting of trees found and the native ecology itself has good numbers of native trees, no need of green belt promotion.

In this connection, the proposal was again placed for appraisal in this 234<sup>th</sup> meeting of SEAC held on 22.09.2021.

In view of the above, SEAC after detailed deliberations directed the proponent to furnish NOC from DFO regarding movement of wild animals/birds for the proposed mining activity and to conduct and submit report on exposure survey for parameters such as silica/PM<sub>2.5</sub> & PM<sub>10</sub> to the nearby residents & employees.

Thanking the Chairman, Member Secretary and the Members of SEAC-TN, the 234<sup>th</sup> meeting of SEAC came to an end at 8.40 PM.

  
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