

STATE EXPERT APPRAISAL COMMITTEE – TAMIL NADU

Minutes of 331st meeting of the State Expert Appraisal Committee (SEAC) held on 24.11.2022 (Thursday) at SEIAA Conference Hall, 2nd Floor, PanagalMaligai, Saidapet, Chennai 600 015 for consideration of Building Construction Projects & Mining Projects.

Agenda No: 331-01

(File No: 9428/2022)

Proposed expansion of Construction of Residential group development, High Rise & Non-High-Rise Group Development at S.No. 404/1, 404/2, 405, 406/1A, 406/1B, 406/2, 407/2A2, 407/2B2, 408/1A, 408/1B2, 408/2A, 408/2B2, 410/1A1, 410/1A2B, 410/2, 410/3, 410/4, 414/1, 414/2, 425/2B, 425/2C1, 425/2D1A, 425/2D2A, 425/2D2B, Padappai Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu by M/s. Casa Grande Civil Engineering Private Limited- For Environmental Clearance. (SIA/TN/MIS/81558/2022 Dt. 02.08.2022)

The proposal was placed in this 331st SEAC Meeting held on 24.11.2022. The project proponent gave a detailed presentation. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, M/s. Casa Grande Civil Engineering Private Limited has applied for Terms of Reference for the proposed expansion of Construction of Residential group development, High Rise & Non-High-Rise Group Development at S.No. 404/1, 404/2, 405, 406/1A, 406/1B, 406/2, 407/2A2, 407/2B2, 408/1A, 408/1B2, 408/2A, 408/2B2, 410/1A1, 410/1A2B, 410/2, 410/3, 410/4, 414/1, 414/2, 425/2B, 425/2C1, 425/2D1A, 425/2D2A, 425/2D2B, Padappai Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 8(b) "Township and Area development Projects" of the Schedule to the EIA Notification, 2006.
3. M/s. Casa Grande Civil Engineering Private Limited has already obtained Environment Clearance vide Lr.No.SEIAA-TN/F.No.9094/EC/8(a)/842/2022 dated 14.06.2022 for the construction of Residential group


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development building in S.F.No. 404/1, 404/2, 405, 406/1A, 406/1B, 406/2, 407/2A2, 407/2B2, 408/1A, 408/1B2, 408/2A, 408/2B2, 410/1A1, 410/1A2B, 410/2, 410/3, 410/4, 414/1, 414/2, 425/2B, 425/2C1, 425/2D1A, 425/2D2A, 425/2D2B. Padappai Village, Kundrathur Taluk, Kanchipuram District, Tamil Nadu.

4. ToR issued vide Lr No.SEIAA-TN./F.No.9428/SEAC/ToR-12671/2022 Date 03.10.2022.

5. EIA submitted on 04.11.2022.

SL. NO.	DETAILS OF THE PROPOSAL	DATA FURNISHED		
1.	NAME OF THE PROJECT	PROPOSED EXPANSION OF HIGH RISE & NON-HIGH-RISE GROUP DEVELOPMENT BY M/S. CASA GRANDE CIVIL ENGINEERING PRIVATE LIMITED		
2.	LOCATION	S.NO. 404/1, 404/2, 405, 406/1A, 406/1B, 406/2, 407/2A2, 407/2B2, 408/1A, 408/1B2, 408/2A, 408/2B2, 410/1A1, 410/1A2B, 410/2, 410/3, 410/4, 414/1, 414/2, 425/2B, 425/2C1, 425/2D1A, 425/2D2A, 425/2D2B, PADAPPAI VILLAGE, KUNDRATHUR TALUK, KUNDRATHUR PANCHAYAT, KANCHIPURAM DISTRICT, TAMILNADU		
3.	TYPE OF THE PROJECT	BUILDING AND CONSTRUCTION PROJECTS SCHEDULE 8 (B), CATEGORY "B1"		
4.	LATITUDE AND LONGITUDE	S.NO.	LATITUDE	LONGITUDE
		1.	12°53'21.23"N	80° 1'55.86"E
		2.	12°53'21.40"N	80° 1'56.55"E
		3.	12°53'13.63"N	80° 1'56.63"E
		4.	12°53'12.91"N	80° 2'0.23"E
		5.	12°53'7.29"N	80° 1'53.96"E
		6.	12°53'3.82"N	80° 1'51.20"E
		7.	12°53'10.35"N	80° 1'50.90"E
		8.	12°53'12.76"N	80° 1'47.19"E
		9.	12°53'12.54"N	80° 1'50.83"E
		10.	12°53'15.64"N	80° 1'50.74"E
		11.	12°53'15.54"N	80° 1'55.53"E
5.	TOTAL AREA IN SQM	85990 SQ.M		
6.	BUILT UP AREA	193741.46 SQ.M		
7.	COST OF THE PROJECT	RS. 344.47 CRORES		

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8.	BRIEF DESCRIPTION OF THE PROJECT	<p>PHASE 1:</p> <p>CONSTRUCTION OF RESIDENTIAL GROUP DEVELOPMENT BUILDING COMPRISES OF 18 BLOCKS: STILT FLOOR (PART)/GROUND FLOOR (PART) + FIRST FLOOR, SECOND FLOOR (PART) TOTALLY 243 DWELLING UNITS, BLOCK NUMBER 18 CONSISTS OF - (CLUB HOUSE BLOCK), WITH GROUND FLOOR + FIRST FLOOR + SECOND FLOOR WITH OPEN SWIMMING POOL IN GROUND FLOOR HAVING TOTAL BUILT-UP AREA OF 43100.89 SQ.M.</p> <p>PHASE 2:</p> <p>CONSTRUCTION OF RESIDENTIAL HIGH RISE GROUP DEVELOPMENT CONSISTS OF 5 BLOCKS WITH COMBINED BASEMENT & NON-HIGH-RISE BLOCKS 6 & 7, TOTALLY 7 BLOCKS,</p> <ul style="list-style-type: none">➤ BLOCK 1 TO BLOCK 5 COMBINED BASEMENT WITH BLOCK 1: GROUND FLOOR + 18 UPPER FLOORS (76 D/U), BLOCK 2: GROUND + 19 UPPER FLOORS (240 D/U), BLOCK 3: GROUND + 21 UPPER FLOORS (308 D/U) WITH CLUB HOUSE GROUND FLOOR + FIRST FLOOR WITH SWIMMING POOL ON THE TERRACE FLOOR, BLOCK 4 & 5: GROUND + 21 UPPER FLOORS (308 D/U)➤ BLOCK 6: GROUND FLOOR + FIRST FLOOR (4 D/U),➤ BLOCK 7: GROUND FLOOR + FIRST FLOOR + SECOND FLOOR (PART) (17 D/U), <p>TOTALLY 953 DWELLING UNITS.</p> <p>TOTALLY 1196 DWELLING UNITS IN PHASE 1 AND PHASE 2.</p>		
9.	A)WATER REQUIREMENT (KLD)	S. NO.	DETAILS	QUANTITY (KLD)
		1.	TOTAL WATER REQUIREMENT	1012
		2.	FRESH WATER REQUIREMENT FOR DOMESTIC PURPOSES	618


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		3.	FRESH WATER REQUIREMENT FOR SWIMMING POOL TOP UP	3																		
		4.	TREATED WASTEWATER REQUIREMENT FOR FLUSHING PURPOSES	316																		
		5.	TREATED WASTEWATER REQUIREMENT FOR GARDENING PURPOSES	45																		
		6.	TREATED WASTEWATER REQUIREMENT FOR OSR MAINTENANCE	30																		
10.	QUANTITY IF SEWAGE KLD	SEWAGE GENERATION- 872 KLD																				
11.	DETAILS OF SEWAGE TREATMENT PLANT	STP OF 215 KLD & 756 KLD <table><tr><th>S.NO</th><th>DESCRIPTION</th></tr><tr><td>1</td><td>BAR SCREEN CHAMBER</td></tr><tr><td>2</td><td>EQUALIZATION TANK</td></tr><tr><td>3</td><td>SBR TANK</td></tr><tr><td>4</td><td>DECANTER TANK</td></tr><tr><td>5</td><td>SLUDGE HOLDING TANK</td></tr><tr><td>6</td><td>UF FEED TANK</td></tr><tr><td>7</td><td>UF TREATED WATER TANK</td></tr><tr><td>8</td><td>TREATED WATER TANK</td></tr></table>			S.NO	DESCRIPTION	1	BAR SCREEN CHAMBER	2	EQUALIZATION TANK	3	SBR TANK	4	DECANTER TANK	5	SLUDGE HOLDING TANK	6	UF FEED TANK	7	UF TREATED WATER TANK	8	TREATED WATER TANK
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12.	MODE OF DISPOSAL OF TREATED SEWAGE WITH QUANTITY	TOILET FLUSHING- 316KLD GREEN BELT DEVELOPMENT & OSR - 391 KLD TO AVENUE PLANTATION- 437 KLD																				
13.	QUANTITY OF SOLID WASTE GENERATED PER DAY, MODE OF TREATMENT AND DISPOSAL OF SOLID WASTE	S. NO.	DESCRIPTION	QUANTITY (KG/DAY)	MODE OF TREATMENT / DISPOSAL																	
		1	BIODEGRADABLE (@40% OF WASTE GENERATED)	1696	WILL BE TREATED IN ORGANIC WASTE CONVERTER AND USED AS MANURE FOR GARDENING.																	


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		2	NON - BIODEGRADABLE (@ 60% OF WASTE GENERATED)	2543	SENT TO AUTHORIZED RECYCLERS OR LOCAL BODIES FOR RECYCLING																											
		3	STP SLUDGE	50	WILL BE USED AS MANURE FOR GREENBELT DEVELOPMENT																											
14.	POWER REQUIREMENT	4928 KVA FROM TANGEDCO																														
15.	DETAILS OF DG SET WITH CAPACITY	EXISTING EC - 1 NO. OF 200 KVA & 1 NO. OF 125 KVA PROPOSED EC - 3 NOS. OF 380 KVA, 2 NOS. OF 320 KVA																														
16.	DETAILS OF GREEN BELT AREA	12969.13 SQM																														
17.	DETAILS OF PARKING AREA	<table><tr><td colspan="3">PHASE 1:</td></tr><tr><td>DETAILS</td><td>NO. OF CAR PARKS</td><td>NO OF TWO-WHEELER PARKS</td></tr><tr><td>1) TOTAL NUMBER OF CAR PARKS IN STILT</td><td>243</td><td>-</td></tr><tr><td>2)TOTAL NUMBER OF CAR PARKS IN GROUND LEVEL (SURFACE PARKING)</td><td>70</td><td>-</td></tr><tr><td>TOTAL NUMBER OF CAR PARKS REQUIRED AS DTCP NORMS</td><td>310</td><td>-</td></tr><tr><td>TOTAL NUMBER OF CAR PARKS PROVIDED</td><td>313</td><td>-</td></tr><tr><td colspan="3">HASE 2:</td></tr><tr><td>DETAILS</td><td>NO. OF CAR PARKS</td><td>NO TWO-WHEELER PARKS</td></tr><tr><td>1) TOTAL NUMBER OF CAR PARKS IN BASEMENT</td><td>620</td><td>660</td></tr></table>				PHASE 1:			DETAILS	NO. OF CAR PARKS	NO OF TWO-WHEELER PARKS	1) TOTAL NUMBER OF CAR PARKS IN STILT	243	-	2)TOTAL NUMBER OF CAR PARKS IN GROUND LEVEL (SURFACE PARKING)	70	-	TOTAL NUMBER OF CAR PARKS REQUIRED AS DTCP NORMS	310	-	TOTAL NUMBER OF CAR PARKS PROVIDED	313	-	HASE 2:			DETAILS	NO. OF CAR PARKS	NO TWO-WHEELER PARKS	1) TOTAL NUMBER OF CAR PARKS IN BASEMENT	620	660
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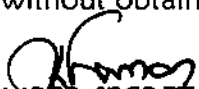
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		2)TOTAL NUMBER OF CAR PARKS IN GROUND LEVEL (SURFACE PARKING)	224	0	
		TOTAL NUMBER OF CAR PARKS REQUIRED AS PANCHAYAT NORMS	683	592	
		TOTAL NUMBER OF PARKING PROVIDED	884	660	
		10% VISITOR PARKING PROVIDED	68	59	
18.	PROVISION FOR RAIN WATER HARVESTING	TOTAL RAINWATER RUNOFF- 1075 CUM 600 CUM RAINWATER STORAGE TANK RECHARGE PIT: 102 NOS WITH DIA 1.5 M, DEPTH 3M			
19.	EMP COST (RS.)	CONSTRUCTION PHASE: CAPITAL & O&M EXPENSES- RS.19.10 LAKHS OPERATION PHASE: CAPITAL COST- RS.290.5 LAKHS RECURRING COST- RS.68.99 LAKHS			
20.	CER ACTIVITIES WITH THE SPECIFIC ALLOCATION OF FUNDS	RS.150 LAKHS			

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

1. The building shall conform to minimum of IGBC Gold green building norms and shall obtain IGBC certificate in this regard before obtaining CTO from TNPCB.
2. The PP shall obtain fresh water supply commitment letter and disposal of excess treated water from the local body /TWAD before obtaining CTO.
3. The treated/untreated sewage water shall not be let-out from the unit premises without obtain necessary permission from competent authority.


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4. The project proponent shall provide STP of capacity 215 KLD and 756 KLD to treat the sewage generated from the project. The treated water shall be utilized for flushing, green belt and avenue plantation after obtaining necessary permission from competent Authority.
5. The tree plantations shall be completed before obtaining CTE.
6. The PP shall adopt BOT contract so that the STP is maintained by the builder of STP for a minimum period of 10 years.
7. The PP shall analyse the treated wastewater samples periodically through TNPCB.
8. The treated/untreated sewage water shall not be let-out from the unit premises.
9. The proponent shall provide adequate organic waste disposal facility such as organic waste convertor within the project site as committed and non- bio-degradable waste to should be sent to authorized recyclers as committed.
10. The height of the stacks of DG sets shall be provided as per the CPCB norms.
11. The project proponent shall submit structural stability certificate from reputed institutions like IIT, Anna University etc, to TNPCB before obtaining CTO.
12. The proponent shall make proper arrangements for the utilization of the treated water from the proposed site for toilet flushing, Green belt development & OSR and no treated water be let out of the premise.
13. The PP shall construct a tank of appropriate size in the earmarked OSR land in consultation with the local body. The pond is meant to play three hydraulic roles, namely (1) as a storage, which acted as insurance against low rainfall periods and also recharges groundwater in the surrounding area, (2) as a flood control measure, preventing soil erosion and wastage of runoff waters during the period of heavy rainfall, and (3) as a device which was crucial to the overall eco-system.
14. 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.
15. The proponent shall provide the separate wall between the STP and OSR area as per the layout furnished and committed.
16. The purpose of green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be

- planted as given in the **Appendix**, in consultation with the State Forest and Horticulture Departments. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
17. Taller/one year old saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner.
 18. The proponent shall provide rain water harvesting sump of adequate capacity for collecting the runoff from rooftops, paved and unpaved roads as committed.
 19. The project proponent shall allot necessary area for the collection of E waste and strictly follow the E-Waste Management Rules 2016, as amended for disposal of the E waste generation within the premise.
 20. 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.
 21. No waste of any type to be disposed of in any other way other than as per the concerned regulations in force.
 22. 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.
 23. 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.
 24. The project proponent shall provide a medical facility, possibly with a medical officer in the project site for continuous monitoring of the health of construction workers during COVID and post-COVID period.
 25. The project proponent shall measure the criteria air pollutants data (including CO) due to vehicular traffic again before getting consent to operate from TNPCB and

submit a copy of the same to SEIAA.

26. Generation of the solar/renewable energy should not be less than 50% of total energy utilization and ensure that the entire roof of the building. Application of solar energy should be utilized maximum for illumination of common areas, street lighting etc.
27. The grant of this E.C. is issued from the environmental angle only and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the project proponent.
28. As per the MoEF&CC Office Memorandum F.No. 22-65/2017-IA.III dated: 30.09.2020 and 20.10.2020, the proponent shall include demolishing plan & its mitigation measures in the EMP and adhere the same as committed.
29. The Project Proponent stated that an amount Rs. 1.8 Crores shall be spent as CER for following Committed activities before obtaining CTO from TNPCB.

S.No	Beneficiary	Cost Allocation (in lakhs)
1.	Government Higher Secondary School, Padappai	100
2.	Government Middle School, Padappai	
3.	Maintenance of Padappai & Karasangal Lake	50
4.	Compound wall & Toilet construction at Primary Health Centre Kancheepuram	30
Total cost allocation		180

Agenda No: 331-02

(File No: 9479/2022)

Proposed Rough Stone Quarry and gravel quarry lease over an extent 4.50.0 Ha at S.F.No.88/1(Part-3) B.S Thimmasandram Village, Shoolagiri Taluk, Krishnagiri District , Tamil Nadu by Thiru.A Kumar - For Terms of Reference. (SIA/TN/MIN/83117/2022 dated 26.09.2022)

The proposal was placed in 331st meeting of SEAC held on 24.11.2022. The details of the project are available in the website (parivesh.nic.in).


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The SEAC noted the following:

1. The project proponent, Thiru.A Kumar has applied for Terms of Reference for the proposed Rough stone & gravel quarry lease over an extent of 4.50.0 Ha at S.F.No.88/1(Part-3) B.S Thimmasandram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years. The mining plan is for 5 years. The production for 5 years not to exceed **672990 cu.m of rough stone and 35705 cu.m of gravel** with an ultimate depth of 56m & 1st 5 year period depth is 26m below ground level.

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

1. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
2. The study on impact of the dust & other environmental impacts due to proposed quarrying operations on the Rose flowers being cultivated through green house nearby.
3. **The revised and corrected version of the Production & Development Plan shall be produced with showing the safety berm width of 2m is maintained for the bench height of 2m distinctly in the gravel formation and it shall be duly signed by the concerned QP & approved by the concerned AD (Geology & Mining).**
4. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease during the time of appraisal for obtaining the EC.

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

of the study area (core and buffer zone).

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

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

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

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

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

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

Agenda No: 331-03

(File No: 9484/2022)

Proposed Rough Stone Quarry and gravel quarry lease over an extent 1.68.0 Ha at S.F.No.210/7A of Melur Village, Kulathur Taluk, Pudukkottai district, Tamil Nadu by Thiru.R.Arockiya Raj - For Terms of Reference. (SIA/TN/MIN/400073/2022 dated 27.09.2022)


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC- TN


The proposal was placed in 331st meeting of SEAC held on 24.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru.R.Arockiya Raj has applied for Terms of Reference for the proposed Rough stone & gravel quarry lease over an extent of **1.68.0 Ha** at **S.F.No.210/7A of Melur Village, Kulathur Taluk, Pudukkottai district, Tamil Nadu.**
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years. The mining plan is for 5 years. The production for 5 years not to exceed **1,03,570 cu.m of rough stone and 24,312 cu.m of gravel** with an ultimate depth of 17m below ground level.

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

1. The original letter of approval obtained for the Mining Plan prepared for the mine shall be furnished during the EIA appraisal.
2. The bottom bench exists in the Section C-D shall be removed and accordingly the revised quantity are spelt out in the 'modified Production and Development Plan' to be submitted during the EIA appraisal.
3. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
4. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is


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SEAC- TN 

approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.

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

the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).

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

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

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

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


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

Agenda No. 331 - 04

(File No. 9488/2022)

Proposed Rough stone quarry over an extent of 1.42.0 Ha of Patta land at Survey No. 16/2B, 16/3 & 16/4 in Achankulam Village, Kallikudi Taluk, Madurai District, Tamil


MEMBER SECRETARY
SEAC -TN


CHAIRMAN
SEAC - TN

Nadu by Tmt.M.Meenatchi - for Terms of Reference (SIA/TN/MIN/402043/2022, Dated: 03.10.2022)

The proposal was placed in this 331st meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Tmt.M.Meenatchi has applied for Terms of Reference for the proposed Rough stone quarry over an extent of 1.42.0 Ha of Patta land at Survey No. 16/2B, 16/3 & 16/4 in Achankulam Village, Kallikudi Taluk, Madurai District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The precise area communication was issued for the period of 5 years. As per the approved mining plan, production for 5 years should not exceed 33,148 cu.m of Rough Stone and 2520 cu.m of Topsoil. The annual peak production is 8230 cu.m of Rough Stone (1st Year). The ultimate depth is 30m BGL (2m Topsoil + 28m Roughstone), (Existing pit- 19m BGL).

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

1. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations on 'Therku Aru' exists at 40 m (N), and a 'Tank' situated at 300m from the proposed quarry site and also on the other waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
2. The Proponent shall carryout various study about the impacts of proposed mining on the biodiversity, climate changes etc., and the same shall be included in EIA report.


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3. The PP shall develop greenbelt and garland drain around the boundary of the proposed quarry and the photographs & videography indicating the same shall be shown during the EIA appraisal.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same during the EIA appraisal.
5. The Proponent shall submit a conceptual 'Slope Stability Plan' for the planned working of the quarry by maintaining appropriate benches incorporating the haul road with ruling gradient as the depth of the proposed quarry is exceeding 30 m, during the EIA appraisal.
6. The PP shall furnish an affidavit stating that the common boundary of not less than 7.5 width will be maintained with the neighbouring quarries unless the relaxation is obtained under Reg. 111 (3) of MMR 1961 for the complete extraction of the same from the concerned Regional Director of Mines Safety, DGMS.
7. The Proponent shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager directly employed on full-time basis only by the proponent.
8. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
9. The Proponent shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry.
10. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.

11. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,

What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?

- a. Quantity of minerals mined out.
- b. Highest production achieved in any one year
- c. Detail of approved depth of mining.
- d. Actual depth of the mining achieved earlier.
- e. Name of the person already mined in that leases area.
- f. If EC and CTO already obtained, the copy of the same shall be submitted.
- g. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.

12. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).

13. The Proponent shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,

14. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.

15. The Project Proponent shall provide the **Organization chart** indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.

16. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc.

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

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

if any, should be provided.

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

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

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

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

Agenda No: 331-05

(File No: 9489/2022)

Proposed Black Granite quarry lease over an extent of 2.07.5 Ha Patta Land at S. F. Nos. S.F.No. 61/3 of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu by M/s. S.R.A.Granites- for Terms of Reference (SIA/TN/MIN/82899/2022 Dated 24.08.2022)

The proposal was placed in this 331st meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available on the PARIVESH web portal (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, M/s. S.R.A.Granites has applied seeking Terms of Reference for EIA study for the proposed Black Granite quarry lease over an extent of 2.07.5 Ha Patta Land at S. F. Nos. S.F.No. 61/3 of Karandapalli Village, Denkanikottai Taluk, Krishnagiri District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006, as amended.
3. Mine plan has been prepared for the lease period, i.e., 20 years fulfilling the requirements of the provisions laid under the clause (b) of the sub-section (2) of the Mines and Minerals (Development and Regulation) Amendment Act, 2015 but however, the a 'Tentative scheme of mining and annual programme and plan for excavation from year to year for five years' as a part of the aforesaid approved Mining Plan has been prepared for 5 years as per the provisions of Mineral Conservation Rules, 1960.
4. Hence, the total production for the first 5 years not to exceed RoM: 16715 m³, Granite (30% recovery) – 5,015 m³, Granite Waste(70%)- 11,700, Weathered Rock-5,669m³ and Topsoil-6,429m³ with maintaining the depth at 22m and however the Uultimate depth shall not exceed 37m. The annual peak production shall not exceed 1040 m³(4th year).

Based on the presentation made by the proponent, SEAC recommended to grant of


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

1. The Proponent shall develop greenbelt and garland drain around the boundary of the proposed quarry and the photographs indicating the same shall be shown during the EIA appraisal.
2. The proponent shall furnish a revised EMP budget for entire life of proposed mining. i.e. for 20 years of mining lease period as per the format prescribed.
3. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
4. The PP shall incorporate the study on mitigation measures at a cost of 5 lakhs in consultation with the DFO, since the CNWLS is located within 10 Km.
5. The structures within the radius of (i) 100 m, (ii) 300 m, and (iii) 500 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
6. The Proponent shall submit a conceptual 'Slope Stability Assessment' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the proposed working is extended beyond 30 m below ground level.
7. The Proponent shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
8. The Proponent shall present a conceptual design for carrying out only controlled blasting operation involving line drilling in the proposed quarry such that the blast-induced ground vibrations are controlled.
9. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
10. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,

- a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?

- b. Quantity of minerals mined out.
 - c. Highest production achieved in any one year
 - d. Detail of approved depth of mining.
 - e. Actual depth of the mining achieved earlier.
 - f. Name of the person already mined in that leases area.
 - g. If EC and CTO already obtained, the copy of the same shall be submitted.
 - h. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
11. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
12. The Proponent shall carry out Drone video survey covering the cluster, Green belt, fencing etc.,
13. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
14. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
15. The Project Proponent shall provide the Organization chart indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
16. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may

clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.

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

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

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

Agenda No. 331-06

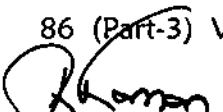
(File No. 9499/2022)


Proposed Rough Stonequarry over an extent of 2.00.00 Ha in S. F No. 86 (Part-3) Venkatesapuram Village of Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by M/s. S.R. Enterprises- for Terms of Reference. (SIA/TN/MIN/402134/2022 dated 10.10.2022)

The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent M/s. S.R. Enterprises has applied for Terms of Reference for the Proposed Rough Stone quarry over an extent of 2.00.00 Ha in S. F No. 86 (Part-3) Venkatesapuram Village of Shoolagiri Taluk, Krishnagiri District,


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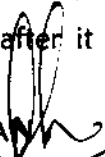
Tamil Nadu

2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.
3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years & the production should not exceed 4,25,695 m³ of Rough Stone and 38,740m³ of Top soil (Gravel) with an ultimate depth of mining 47m (2 m Topsoil (Gravel) + 45m Rough stone) [Surface ground level is 10m and surface ground level below depth is 37m]. The annual peak production 112935 m³ of Rough Stone (1st year).

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

1. The Proponent shall submit the '**Production & Development Plan**' prepared as a part of the approved Mining Plan, duly signed by the concerned QP & approved by the concerned AD (Geology & Mining) during the EIA appraisal.
2. The Proponent shall develop greenbelt and construct the garland drainage around the boundary of the proposed quarry and the photographs/videography indicating the same shall be shown during the EIA appraisal.
3. The proponent shall furnish a revised EMP budget for entire life of proposed mining. i.e. for 10 years of mining lease period as per the format prescribed.
4. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
5. The structures within the radius of (i) 100 m, (ii) 300 m, and (iii) 500 m shall be enumerated with details such as dwelling houses with number of occupants, whether it belongs to the owner (or) not, places of worship, industries, factories, sheds, etc.
6. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is


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approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.

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

and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).

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

climate change and flood control & health impacts. Accordingly, the Environment Management plan should be prepared keeping the concerned quarry and the surrounding habitations in the mind.

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

to the Office Memorandum of MoEF& CC accordingly.

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

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

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

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

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

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

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


36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be

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

Agenda No: 331-07

(File No: 9500/2022)

Proposed Rough Stone Quarry and gravel quarry lease over an extent 1.00.0 Ha at S.F.No.1/7 (part-11), Panamarathupatti Village, Salem Taluk, Salem District , Tamil Nadu by Thiru. P Sivakumar - For Terms of Reference. (SIA/TN/MIN/401236/2022 dated 27.09.2022)


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The proposal was placed in 331st meeting of SEAC held on 24.11.2022. The details of the project are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent, Thiru. P Sivakumar has applied for Terms of Reference for the proposed Rough stone & gravel quarry lease over an extent 1.00.0 Ha at S.F.No.1/7 (part-11), Panamarathupatti Village, Salem Taluk, Salem District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Minerals Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan, the lease period is for 10 years. The mining plan is prepared for the lease period but the 'Production & Development Plan' has been prepared for 5 years not to exceed **189025 cu.m of rough stone** with an ultimate depth of 66m (46m AGL+ 20m BGL).

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

1. The structures within the radius of (i) 50 m, (ii) 100 m, (iii) 200 m and (iv) 300 m shall be enumerated with details such as dwelling houses with number of occupants, places of worship, industries, factories, sheds, etc.
2. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry indicating the mitigating measures to be adopted while working in the hilly terrain during the EIA appraisal, as the depth of the proposed working is extended beyond 30 m above ground level and also extends below ground level.
3. The PP shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
4. The PP shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed

quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 20 m from the blast site.

5. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
6. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b. Quantity of minerals mined out.
 - c. Highest production achieved in any one year
 - d. Detail of approved depth of mining.
 - e. Actual depth of the mining achieved earlier.
 - f. Name of the person already mined in that leases area.
 - g. If EC and CTO already obtained, the copy of the same shall be submitted.
 - h. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
7. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
8. The PP shall carry out Drone video survey covering the cluster, Green belt, fencing etc. and it shall be furnished during the EIA appraisal,
9. The PP shall furnish the revised manpower including the statutory & competent persons as required under the provisions of the MMR 1961 for the prosed quarry based on the volume of rock handled & area of excavation.
10. The proponent shall take photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan and it shall be furnished during the EIA appraisal.

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

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

28. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the **appendix-I** in consultation with the DFO, State Agriculture University and local school/college authorities. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
29. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site-specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
30. A Disaster Management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
31. A Risk Assessment and Management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
32. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
33. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
34. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given

with time frames for implementation.

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

Agenda No. 331-08

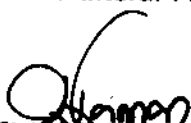
(File No. 9506/2022)

Proposed Rough Stonequarry over an extent of 2.50.00Ha in S.F.No. 86(PART-I) of Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu by Thiru.A.Brian Balachander- for Terms of Reference.(SIA/TN/MIN/402681/2022 dated 13.10.2022)

The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following:

1. The project proponent Thiru.A.Brian Balachander has applied for Terms of Reference for the Proposed Rough Stone quarry over an extent of 2.50.00Ha in S.F.No. 86(PART-I) of Venkatesapuram Village, Shoolagiri Taluk, Krishnagiri District, Tamil Nadu
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining of Mineral Projects" of the Schedule to the EIA Notification, 2006.



MEMBER SECRETARY
SEAC -TN


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3. As per mining plan, the lease period is 5 years. The mining plan is for the period of five years and the production should not exceed 2,65,065m³ of Rough Stone and 9600 m³ of Top soil (Gravel) with an ultimate depth of mining 47m (2m Top soil (Gravel) + 45m rough stone) below ground level [Surface ground level height is 12m and surface ground level below depth is 35m]. The annual peak production 69,050 m³ of Rough Stone (4th year) .

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

1. **The proponent shall furnish a revised EMP budget for entire life of proposed mining. i.e. for 10 years of mining lease period as per the format prescribed.**
2. The Proponent shall carry out Bio diversity study through reputed Institution and the same shall be included in EIA Report.
3. Detailed survey of permanent structures located within 2 Km from the project site shall be included in the EIA report.
4. In the case of proposed lease in an existing (or old) quarry where the benches are not formed (or) partially formed as per the approved Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the benches in the proposed quarry lease after it is approved by the concerned Asst. Director of Geology and Mining during the time of appraisal for obtaining the EC.
5. The Proponent shall submit a conceptual 'Slope Stability Assessment' for the proposed quarry during the appraisal while obtaining the EC, when the depth of the working is extended beyond 30 m below ground level.
6. The Proponent shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager appointed by the proponent.
7. The Proponent shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the


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- proposed quarry such that the blast-induced ground vibrations are controlled as well as no fly rock travel beyond 30 m from the blast site.
8. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
 9. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
 - a. What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - b. Quantity of minerals mined out.
 - c. Highest production achieved in any one year
 - d. Detail of approved depth of mining.
 - e. Actual depth of the mining achieved earlier.
 - f. Name of the person already mined in that leases area.
 - g. If EC and CTO already obtained, the copy of the same shall be submitted.
 - h. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
 10. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
 11. The Proponent shall carry out Drone video survey covering the cluster, Green belt, fencing etc. and it shall be produced during the EIA appraisal.
 12. The proponent shall take photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan and it shall be produced during the EIA appraisal.
 13. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with

justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.

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

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


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30. The purpose of Green belt around the project is to capture the fugitive emissions, carbon sequestration and to attenuate the noise generated, in addition to improving the aesthetics. A wide range of indigenous plant species should be planted as given in the Appendix-I in consultation with the DFO, State Agriculture University. The plant species with dense/moderate canopy of native origin should be chosen. Species of small/medium/tall trees alternating with shrubs should be planted in a mixed manner.
31. Taller/one year old Saplings raised in appropriate size of bags, preferably eco-friendly bags should be planted as per the advice of local forest authorities/botanist/Horticulturist with regard to site specific choices. The proponent shall earmark the greenbelt area with GPS coordinates all along the boundary of the project site with at least 3 meters wide and in between blocks in an organized manner
32. A Disaster management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
33. A Risk Assessment and management Plan shall be prepared and included in the EIA/EMP Report for the complete life of the proposed quarry (or) till the end of the lease period.
34. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP. The project specific occupational health mitigation measures with required facilities proposed in the mining area may be detailed.
35. Public health implications of the Project and related activities for the population in the impact zone should be systematically evaluated and the proposed remedial measures should be detailed along with budgetary allocations.
36. The Socio-economic studies should be carried out within a 5 km buffer zone from the mining activity. Measures of socio-economic significance and influence to the local community proposed to be provided by the Project Proponent should be indicated. As far as possible, quantitative dimensions may be given with time frames for implementation.

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

Agenda No: 331 - 09


(File No: 9511/2022)

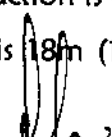
Proposed Rough stone Quarry lease over an extent of 1.88.0 Ha at S.F.Nos. 75/1A, 75/1B & 75/2 of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu by Tmt V. Kavitha - For Terms of Reference. (SIA/TN/MIN/402665/2022 Dt. 10.10.2022)

The proposal was placed in 331st SEAC meeting held on 24.11.2022. The details of the project furnished by the proponent are given in the website (parivesh.nic.in).

The SEAC noted the following:

1. The Project Proponent, Tmt. V. Kavitha has applied for Terms of Reference for the Proposed Rough stone Quarry lease over an extent of 1.88.0 Ha at S.F.Nos. 75/1A, 75/1B & 75/2 of Kuppam Village, Pugalur Taluk, Karur District, Tamil Nadu.
2. The project/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The lease period is 5 years and the mining for the entire period of five years should not exceed 22,500 cu. m of Rough Stone. The annual peak production is 4,500 cu. m of Rough Stone (1st year). The ultimate depth of mining is 18m (13m –


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Existing pit depth and 5m proposed depth).

4. The proponent has planned to carry out by adopting the manual means of hand breaking of stone.

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

1. The proponent is requested to submit the valid registered lease document during the EIA appraisal after the previous lease granted for the mining operations is legally surrendered (or) lapsed with the consent of the competent authority.
2. The proponent is requested to carry out a survey and enumerate on the structures including the crematory shed located within 100m, 200m, 300m from the boundary of the mine lease area.
3. The proponent must conduct a survey and furnish the details of habitations which is located within 300m radius (Nochikattur village) from the proposed mine lease area.
4. The proponent must submit certified compliance report obtained from IRO of MoEF&CC as per OM IA3-22/10/2022-IA.III Dated 08.06.2022.
5. The proponent shall furnish photographs of adequate fencing, green belt along the periphery including replantation of existing trees & safety distance between the adjacent quarries & water bodies nearby provided as per the approved mining plan.
6. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Necessary data and documentation in this regard may be provided.
7. The proponent shall submit the details regarding the nature of blasting activity which will be carried out.

8. The PP shall furnish DFO letter stating that the proximity distance of Reserve Forests, Protected Areas, Sanctuaries, Tiger reserve etc., upto a radius of 25 km from the proposed site.
9. The PP shall provide individual notice regarding the Public Hearing to the nearby house owners located in the vicinity of the project site.
10. In the case of proposed lease in an existing (or old) quarry where the benches are non-existent (or) partially formed critical of the bench geometry approved in the Mining Plan, the Project Proponent (PP) shall prepare and submit an 'Action Plan' for carrying out the realignment of the 'highwall' benches to ensure slope stability in the proposed quarry lease which shall be vetted by the concerned Asst. Director of Geology and Mining, during the time of appraisal for obtaining the EC.
11. The Proponent shall submit a conceptual 'Slope Stability Plan' for the proposed quarry indicating the proposed stabilizing measures during the appraisal while obtaining the EC, as the depth of the proposed working is extended beyond 30 m below ground level.
6. The PP shall furnish the affidavit stating that no blasting operation in the proposed quarry is carried out as it involves only manual means of rock breaking.
7. If the blasting operation is to be carried out, the PP shall present a conceptual design for carrying out the NONEL initiation based controlled blasting operation involving line drilling & muffle blasting and Simulation Model indicating the anticipated Blast-induced Ground Vibration levels in the proposed quarry as stipulated by the DGMS Circular No.7 of 1997, during the EIA Proposal.
8. Details of Green belt & fencing shall be included in the EIA Report.
9. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
10. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,

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

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

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

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

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

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

Agenda No. 331 - 10

(File No. 9516/2022)

Proposed Rough stone & Gravel quarry over an extent of 2.25.0 Ha of Patta Land in S.F.No. 82/3 Pachapalayam Village, Suler Taluk, Coimbatore District, Tamil Nadu by Thiru. S.Nandhagopal - for Terms of Reference (SIA/TN/MIN/401522/2022, Dated: 27.09.2022)


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The proposal was placed in this 331st meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru. S.Nandhagopal has applied for Terms of Reference for the proposed Rough Stone & Gravel Quarry over an area of 2.25.0 Ha of Patta land at Survey No. 82/3 in Pachapalayam Village, Sulur Taluk, Coimbatore District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B1" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. As per the mining plan the lease period is 5 years. As per the mining plan, the production for 5 years should not exceed 2,26,817 cu.m. of Rough Stone. The annual peak production 50597 cu.m. of Rough Stone (2nd Year). The ultimate depth is 40m BGL (Existing pit – 17m)

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

1. The PP shall furnish the original Registered lease deed document obtained from the Pattadhars.
2. The PP shall submit a detailed hydrological report indicating the impact of proposed quarrying operations other waterbodies like lake, water tanks, etc are located within 1 km of the proposed quarry.
3. The Proponent shall carryout various study about the impacts of proposed mining on the biodiversity, climate changes etc., and the same shall be included in EIA report.
4. The proponent shall construct the 'S3 (or) G2' type of fencing all around the boundary of the proposed working quarry with gates for entry/exit before the commencement of the operation as recommended in the DGMS Circular, 11/1959 and shall furnish the photographs showing the same during the EIA appraisal.


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5. The PP shall furnish the 'Action Plan' for the stability of highwall benches shown for a height of 13 m & 17 m in the existing quarry, during the EIA appraisal.
6. The Proponent shall submit a conceptual 'Slope Stability Plan' for the planned working of the quarry by maintaining appropriate benches incorporating the haul road with ruling gradient as the depth of the proposed quarry is exceeding 30 m, during the EIA appraisal.
7. The PP shall furnish an affidavit stating that the common boundary of not less than 7.5 width will be maintained with the neighbouring quarries unless the relaxation is obtained under Reg. 111 (3) of MMR 1961 for the complete extraction of the same from the concerned Regional Director of Mines Safety, DGMS.
8. The Proponent shall furnish the affidavit stating that the blasting operation in the proposed quarry is carried out by the statutory competent person as per the MMR 1961 such as blaster, mining mate, mine foreman, II/I Class mines manager directly employed on full-time basis only by the proponent.
9. The PP shall enumerate the existence of houses, permanent structures, habitations, etc within a distance range of 100 m, 200 m, 300 m, and 500 m.
10. The Proponent shall present a conceptual design for carrying out only controlled blasting operation involving line drilling and muffle blasting in the proposed quarry.
11. The EIA Coordinators shall obtain and furnish the details of quarry/quarries operated by the proponent in the past, either in the same location or elsewhere in the State with video and photographic evidences.
12. If the proponent has already carried out the mining activity in the proposed mining lease area after 15.01.2016, then the proponent shall furnish the following details from AD/DD, mines,
What was the period of the operation and stoppage of the earlier mines with last work permit issued by the AD/DD mines?
 - a. Quantity of minerals mined out.
 - b. Highest production achieved in any one year
 - c. Detail of approved depth of mining.
 - d. Actual depth of the mining achieved earlier.


- e. Name of the person already mined in that leases area.
 - f. If EC and CTO already obtained, the copy of the same shall be submitted.
 - g. Whether the mining was carried out as per the approved mine plan (or EC if issued) with stipulated benches.
13. All corner coordinates of the mine lease area, superimposed on a High Resolution Imagery/Topo sheet, topographic sheet, geomorphology, lithology and geology of the mining lease area should be provided. Such an Imagery of the proposed area should clearly show the land use and other ecological features of the study area (core and buffer zone).
14. The Proponent shall carry out Drone video survey covering the cluster, Green belt, fencing etc, and it shall be furnished during the EIA appraisal.
15. The Project Proponent shall provide the details of mineral reserves and mineable reserves, planned production capacity, proposed working methodology with justifications, the anticipated impacts of the mining operations on the surrounding environment and the remedial measures for the same.
16. The Project Proponent shall provide the **Organization chart** indicating the appointment of various statutory officials and other competent persons to be appointed as per the provisions of Mines Act'1952 and the MMR, 1961 for carrying out the quarrying operations scientifically and systematically in order to ensure safety and to protect the environment.
17. The Project Proponent shall conduct the hydro-geological study considering the contour map of the water table detailing the number of ground water pumping & open wells, and surface water bodies such as rivers, tanks, canals, ponds etc. within 1 km (radius) along with the collected water level data for both monsoon and non-monsoon seasons from the PWD / TWAD so as to assess the impacts on the wells due to mining activity. Based on actual monitored data, it may clearly be shown whether working will intersect groundwater. Necessary data and documentation in this regard may be provided.
18. The proponent shall furnish the baseline data for the environmental and ecological parameters with regard to surface water/ground water quality, air quality, soil quality & flora/fauna including traffic/vehicular movement study.
19. The Proponent shall carry out the cumulative impact study due to mining

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

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

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


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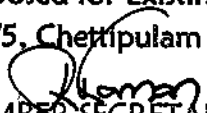

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36. Occupational Health impacts of the Project should be anticipated and the proposed preventive measures spelt out in detail. Details of pre-placement medical examination and periodical medical examination schedules should be incorporated in the EMP.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

Agenda No: 331 - 11

(File No.5707/2022)

Proposed for Existing Silica Sand Mine over an extent of 1.49.0Ha at S.F. Nos 254/1-I, 231/5, Chettipulam Village, Vedaranyam Taluk, Nagapattinam District, Tamil Nadu by


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Thiru. N. Sargunam - for Extension of validity of the Terms of References under Violation (SIA/TN/MIN/274798/2022 dated: 25.05.2022)

The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru. N. Sargunam has applied for Extension of validity for the Terms of References for the proposed Existing Silica Sand Mine over an extent of 1.49.0Ha at S.F. Nos. 254/1-I, 231/5, Chettipulam Village, Vedaranyam Taluk, Nagapattinam District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The PP had applied for ToR to carry out the EIA study under violation vide Proposal No. SIA/TN/MIN/22413/2018 dated: 17.03.2018.
4. The ToR for carrying out EIA study under violation issued vide SEIAA Lr. No.SEIAA-TN/F.No.5707/ToR-510/2018, dated: 01.08.2018.
5. As per MoEF&CC O.M Dt: 29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/274798/2022 dated: 25.05.2022 for the extension of validity of ToR with all required documents.
7. The PP has submitted that we were unable to complete the EIA EMP Studies and Violation Studies awaiting for clarification regarding-
 - i. Awaiting for Guidelines regarding preparation of Ecological Damage Assessment Plan, Remediation Plan, Natural Resource & Community Resource Augmentation Plan.
 - ii. Applicability of Public Consultation for the project.
 - iii. Awaiting for clarification regarding penalty to be paid for violation projects as S.O.P Case No W.P(MD) No. 11757 2021 titled Fatima Vs Union of India Stayed order 15th July 2021 with Honourable High Court of Madras.


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- iv. The PP has also submitted that unfortunately the outbreak of the Coronavirus (covid-19) and subsequent lockdowns had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

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

Hence, the SEAC after detailed discussions decided to extend the validity of the ToR for one more year (i.e.) the validity of the ToR issued is deemed to be valid upto **31.07.2023** as per the aforesaid MoEF Notification dtd. 18.01.2021 for completing the required EIA study along with the Public Hearing.

Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following – (i) facets of violation, (ii) assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment.

Agenda No: 331 - 12

(File No.6617/2022)

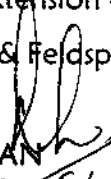
Proposed for Existing Quartz & Feldspar Quarry over an extent of 4.22.0 Ha at S.F.No 808, 809/2 (P), 809/3A & 809/3B at Kosanam 'B' Village, Gopichettipalayam Taluk, Erode District, Tamil Nadu by Thiru. P. Balasubramaniam - for Extension of validity for the Terms of References "Under Violation".(SIA/TN/MIN/285299/2022 dated: 25.07.2022)

The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru. P. Balasubramaniam has applied for Extension of validity for the Terms of References for the proposed Existing Quartz & Feldspar


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Quarry over an extent of 4.22.0 Ha at S.F.No 808, 809/2 (P), 809/3A & 809/3B at Kosanam 'B' Village, Gopichettipalayam Taluk, Erode District, Tamil Nadu.

2. The proposed quarry/activity is covered under Category "B2" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The PP had applied for ToR to carry out the EIA study under violation vide Proposal No. SIA/TN/MIN/23187/2018 dated: 06.04.2018.
4. The ToR for carrying out EIA study under violation issued vide SEIAA Lr. No.SEIAA-TN/F.No.6617/ToR-532/2018, dated: 30.07.2018.
5. As per MoEF&CC O.M Dt: 29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/285299/2022 dated: 25.07.2022 for the extension of validity of ToR with all required documents.
7. The PP has submitted that we were unable to complete the EIA EMP Studies and Violation Studies awaiting for clarification regarding-
 - i. Awaiting for Guidelines regarding preparation of Ecological Damage Assessment Plan, Remediation Plan, Natural Resource & Community Resource Augmentation Plan.
 - ii. Applicability of Public Consultation for the project.
 - iii. Awaiting for clarification regarding penalty to be paid for violation projects as S.O.P Case No W.P(MD) No. 11757 2021 titled Fatima Vs Union of India Stayed order 15th July 2021 with Honourable High Court of Madras.
 - iv. The PP has also submitted that unfortunately the outbreak of the Coronavirus (covid-19) and subsequent lockdowns had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

The SEAC had observed that as per MoEF&CC Notification S.O. 221(E), dated the 18th January, 2021, ".....the period from the 1st April, 2020 to the 31st March, 2021 shall not be considered for the purpose of calculation of the period of validity of


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Prior Environmental Clearances granted under the provisions of this notification in view of outbreak of Corona Virus (COVID-19) and subsequent lockdowns (total or partial) declared for its control, however, all activities undertaken during this period in respect of the Environmental Clearance granted shall be treated as valid.....”.

Hence, the SEAC after detailed discussions decided to confirm that the ToR issued is (deemed to be) valid up to **29.07.2023** as per the aforesaid MoEF Notifications.

Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following – (i) facets of violation, (ii) assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment.

Agenda No: 331 - 13

(File No.6351/2022)

Proposed for Existing Limited for Limestone Mine over an extent of 3.21.5 Ha at S.F. Nos. 285/1B(P), 285/2B(P), 287/1B, 287/2 and 283(P) (patta land) & 286(P) (Govt land) in Palayam Village, Vendasandur Taluk, Dindigul District, Tamil Nadu by Thiru. J. Sheik Abdulla - for Extension of validity for the Terms of References “Under Violation”. (SIA/TN/MIN/268358/2022 dated: 18.04.2022)

The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru. J. Sheik Abdulla has applied for Extension of validity for the Terms of References for the proposed Existing Limestone Mine over an extent of 3.21.5 Ha at S.F. Nos. 285/1B(P), 285/2B(P), 287/1B& 287/2 (patta land) and 283(P) & 286(P) (Govt. land) in Palayam Village, Vendasandur Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category “B” – “Under Violation” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.
3. The PP had applied for ToR to carry out the EIA study under violation vide Proposal No. SIA/TN/MIN/23095/2018 dated: 03.04.2018.
4. The ToR for carrying out EIA study under violation issued vide SEIAA Jr.

No.SEIAA-TN/F.No.6351/ToR-339/2018, dated: 11.05.2018.

5. As per MoEF&CC O.M Dt: 29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/268358/2022 dated: 18.04.2022 for the extension of validity of ToR with all required documents.
7. The PP has submitted that we were unable to complete the EIA EMP Studies and Violation Studies awaiting for clarification regarding-
 - i. Awaiting for Guidelines regarding preparation of Ecological Damage Assessment Plan, Remediation Plan, Natural Resource & Community Resource Augmentation Plan.
 - ii. Applicability of Public Consultation for the project.
 - iii. Awaiting for clarification regarding penalty to be paid for violation projects as S.O.P Case No W.P(MD) No. 11757 2021 titled Fatima Vs Union of India Stayed order 15th July 2021 with Honourable High Court of Madras.
 - iv. The PP has also submitted that unfortunately the outbreak of the Coronavirus (covid-19) and subsequent lockdowns had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

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

Hence, the SEAC after detailed discussions decided to confirm that the ToR issued is (deemed to be) valid up to **10.05.2023** as per the aforesaid MoEF Notifications.

Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following – (i) facets of violation, (ii) assessment of ecological damage, remediation plan and natural and community


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resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment.

Agenda No: 331 - 14

(File No.6225/2022)

Proposed for Existing Rough Stone quarry Lease over an extent of 2.50.0Ha at S.F.No. 814(Part-1) of Thimmarasanayakkanur Bit-I Village, Andipatty Taluk, Theni District, Tamil Nadu by Thiru. T. Rajavelpandian - for Extension of validity for the Terms of References "Under Violation".(SIA/TN/MIN/269616/2022 dated: 26.04.2022)

The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru. T. Rajavelpandian has applied for Extension of validity for the Terms of References for the proposed Existing Rough Stone quarry Lease over an extent of 2.50.0Ha at S.F.No. 814(Part-1) of Thimmarasanayakkanur Bit-I Village, Andipatty Taluk, Theni District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B2" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The PP had applied for ToR to carry out the EIA study under violation vide Proposal No. SIA/TN/MIN/23192/2018 dated: 05.04.2018.
4. The ToR for carrying out EIA study under violation issued vide SEIAA Lr. No.SEIAA-TN/F.No.6225/ToR-453/2018, dated: 04.06.2018.
5. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/269616/2022 dated: 26.04.2022 for the extension of validity of ToR with all required documents.
7. The PP has submitted that we were unable to complete the EIA EMP Studies and Violation Studies awaiting for clarification regarding-


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- i. Awaiting for Guidelines regarding preparation of Ecological Damage Assessment Plan, Remediation Plan, Natural Resource & Community Resource Augmentation Plan.
- ii. Applicability of Public Consultation for the project.
- iii. Awaiting for clarification regarding penalty to be paid for violation projects as S.O.P Case No W.P(MD) No. 11757 2021 titled Fatima Vs Union of India Stayed order 15th July 2021 with Honourable High Court of Madras.
- iv. The PP has also submitted that unfortunately the outbreak of the Coronavirus (covid-19) and subsequent lockdowns had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

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

Hence, the SEAC after detailed discussions decided to confirm that the ToR issued is (deemed to be) valid up to **03.06.2023** as per the aforesaid MoEF Notifications.

Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following – (i) facets of violation, (ii) assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment.

Agenda No: 331 - 15

(File No.6113/2022)

Proposed for Existing Limestone Mine lease over an Extent of 7.10.0Ha in S.F.Nos. 406/1G, 2, 417/1, 2, 3, 4, 5, 6A, 6B, 6C, 6D, 6E, 7, 8, 9, 10, 418/1A, 1B, 3A, 3B, 3C, 3D, 3E, 3F, 2, 419/7B, 8, 9A, 9B, 10A, 10B, 11A, 11B & 12 at Valajanagaram Village of Ariyalur Taluk, Ariyalur District, Tamil Nadu State by M/s. Venkateswara Cements Ltd., - for Extension of validity for the Terms of References “Under Violation”. (SIA/TN/MIN/268375/2022 dated: 18.04.2022)


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The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Venkateswara Cements Ltd., has applied for Extension of validity for the Terms of References for the proposed Existing Limestone Mine lease over an Extent of 7.10.0Ha in S.F.Nos.406/1G, 2, 417/1, 2, 3, 4, 5, 6A, 6B, 6C, 6D, 6E, 7, 8, 9, 10, 418/1A, 1B, 3A, 3B, 3C, 3D, 3E, 3F, 2, 419/7B, 8, 9A, 9B, 10A, 10B, 11A, 11B & 12 at Valajanagaram Village of Ariyalur Taluk, Ariyalur District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" – "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The PP had applied for ToR to carry out the EIA study under violation vide Proposal No. SIA/TN/MIN/23060/2018 dated: 03.04.2018.
4. The ToR for carrying out EIA study under violation issued vide SEIAA Lr. No.SEIAA-TN/F.No.6113/ToR-318/2018, dated: 10.05.2018.
5. As per MoEF&CC O.M Dt: 29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/268375/2022 dated: 18.04.2022 for the extension of validity of ToR with all required documents.
7. The PP has submitted that we were unable to complete the EIA EMP Studies and Violation Studies awaiting for clarification regarding-
 - i. Awaiting for Guidelines regarding preparation of Ecological Damage Assessment Plan, Remediation Plan, Natural Resource & Community Resource Augmentation Plan.
 - ii. Applicability of Public Consultation for the project.
 - iii. Awaiting for clarification regarding penalty to be paid for violation projects as S.O.P Case No W.P(MD) No. 11757 2021 titled Fatima Vs Union of India Stayed order 15th July 2021 with Honourable High Court of Madras.

iv. The PP has also submitted that unfortunately the outbreak of the


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Coronavirus (covid-19) and subsequent lockdowns had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

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

Hence, the SEAC after detailed discussions decided to confirm that the ToR issued is (deemed to be) valid up to **09.05.2023** as per the aforesaid MoEF Notifications.

Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following – (i) facets of violation, (ii) assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment.

Agenda No: 331– 16


(File No. 6253/2022)

Proposed for Existing Limestone Quarry over an extent of 2.53.0 Ha at S.F.No. 693/5A(P), 696/2, 3(P), 4(P), 5, 698/1, 2, 3, 4A, 4B, 4C & 5, Sirugudi Village, Natham Taluk, Dindigul District, by M/s. Sivam Mines - Extension of validity for the Terms of References “Under Violation”.(SIA/TN/MIN/268975/2022, dated: 21.04.2022)

The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Sivam Mines has applied for Extension of validity for the Terms of References for the proposed Limestone Quarry over an extent of 2.53.0 Ha at S.F.No. 693/5A(P), 696/2, 3(P), 4(P), 5, 698/1, 2, 3, 4A, 4B, 4C & 5, Sirugudi Village, Natham Taluk, Dindigul District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category “B” – “Under Violation” of Item 1(a) “Mining Projects” of the Schedule to the EIA Notification, 2006.


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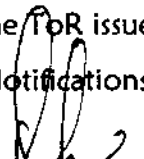

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3. The PP had applied for ToR to carry out the EIA study under violation vide Proposal No. SIA/TN/MIN/23074/2018, dated: 03.04.2018.
4. The ToR for carrying out EIA study under violation issued vide SEIAA. Lr. No. SEIAA-TN/F.No.6253/ToR-604/2019, dated: 07.02.2019.
5. As per MoEF&CC O.M Dt: 29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
6. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/268975/2022 dated: 21.04.2022 for the extension of validity of ToR with all required documents.
7. The PP has submitted that we were unable to complete the EIA EMP Studies and Violation Studies awaiting for clarification regarding-
 - i. Awaiting for Guidelines regarding preparation of Ecological Damage Assessment Plan, Remediation Plan, Natural Resource & Community Resource Augmentation Plan.
 - ii. Applicability of Public Consultation for the project.
 - iii. Awaiting for clarification regarding penalty to be paid for violation projects as S.O.P Case No W.P(MD) No. 11757 2021 titled Fatima Vs Union of India Stayed order 15th July 2021 with Honourable High Court of Madras.
 - iv. The PP has also submitted that unfortunately the outbreak of the Coronavirus (covid-19) and subsequent lockdowns had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

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

Hence, the SEAC after detailed discussions decided to confirm that the ToR issued is (deemed to be) valid up to **06.02.2024** as per the aforesaid MoEF Notifications.


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Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following – (i) facets of violation, (ii) assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment.

Agenda No: 331-17.

(File No. 6560/2018)

Proposed quarrying of Quartz and Feldspar lease over an extent of 1.67.0Ha at S.F. No. 373/1A(P) of Chittoor Bit-2 Village, Edappadi Taluk, Salem District, Tamil Nadu by M/s. Ramana Iyyaner Mines and Minerals for Extension of validity for the Terms of References "Under Violation". (SIA/TN/MIN/269735/2022 dated: 26.04.2022)

The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022. The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, M/s. Ramana Iyyaner Mines and Minerals as applied for Extension of validity for the Terms of References for the proposed quarrying of Quartz and Feldspar lease over an extent of 1.67.0Ha at S.F. No. 373/1A(P) of Chittoor Bit-2 Village, Edappadi Taluk, Salem District, Tamil Nadu.
2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The ToR for carrying out the EIA study under violation issued vide SEIAA. Lr. No.SEIAA-TN/F.No.6560/ToR-404/2018, dated: 15.05.2018.
4. ToR Amendment issued vide Letter F.No.6560/SEAC- CXVIII/TOR-404(A)/2018 Dated: 30.07.2018.
5. ToR Extension under violation issued vide SEIAA Lr. No.SEIAA-TN/F.No.6560/ToR-404/2018/A/ dated: 30.10.2021.
6. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
7. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/269735/2022 dated: 26.04.2022 for the extension of validity of ToR with all required documents.
8. The PP has submitted that unfortunately the outbreak of the Coronavirus (covid-


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19) and subsequent lockdowns had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

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

Hence, the SEAC after detailed discussions decided to confirm that the ToR issued is (deemed to be) valid up to **14.05.2023** as per the aforesaid MoEF Notifications.

Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following – (i) facets of violation, (ii) assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment.

Agenda No: 331-18.

(File No. 6616/2018)


Proposed existing Quartz and Feldspar Mines over an extent of 4.07.0 Ha at S.F. Nos. 809/1B (P), 809/2 (P), 832/4, 832/5, 832/6, 832/7, 832/8, 832/9, 832/10, 843/6 and 843/7, Kosanam 'B' Village, Gobichettipalayam Taluk, Erode District, Tamil Nadu by Thiru.P.Ramamoorthy for Extension of validity for the Terms of References "Under Violation". (SIA/TN/MIN/285274/2022 dated: 25.07.2022)

The proposal was placed in this 331st Meeting of SEAC held on 24.11.2022.

The details of the project furnished by the proponent are available in the website (parivesh.nic.in).

The SEAC noted the following

1. The Project Proponent, Thiru.P.Ramamoorthy as applied for Extension of validity for the Terms of References for the proposed existing Quartz and Feldspar Mines over an extent of 4.07.0 Ha at S.F. Nos. 809/1B (P), 809/2 (P), 832/4, 832/5, 832/6, 832/7, 832/8, 832/9, 832/10, 843/6 and 843/7, Kosanam 'B' Village, Gobichettipalayam Taluk, Erode District.


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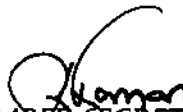

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2. The proposed quarry/activity is covered under Category "B" - "Under Violation" of Item 1(a) "Mining Projects" of the Schedule to the EIA Notification, 2006.
3. The ToR for carrying out the EIA study under violation issued vide SEIAA Lr. No. SEIAA-TN/F.No.6616/ToR-543/2018, dated: 30.07.2018.
4. As per MoEF&CC O.M Dt:29.08.2017, the validity of ToR shall be 4 years for all the projects/activities and 5 years for River Valley and HEP Projects.
5. Now the PP has applied online through Parivesh portal vide Proposal No. SIA/TN/MIN/285274/2022 dated: 25.07.2022 for the extension of validity of ToR with all required documents.
6. The PP has submitted that unfortunately the outbreak of the Coronavirus (covid-19) and subsequent lockdowns had put the studies initiated as a part of EIA on hold and they were unable to proceed further to submit the final EIA report in time.

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

Hence, the SEAC after detailed discussions decided to confirm that the ToR issued is (deemed to be) valid up to **29.07.2023** as per the aforesaid MoEF Notifications.

Therefore, the project proponent is requested to submit Public Hearing minutes, EIA/EMP report along with required details on the following – (i) facets of violation, (ii) assessment of ecological damage, remediation plan and natural and community resource augmentation plan which shall be prepared as an independent chapter in the environment impact assessment.


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