

Minutes of the 95th SEAC Meeting held on 07.10.2017

95th - 96 F.480/ 2012	<p>Proposed production enhancement from 0.05 MTPA to 0.75 MTPA of Limestone & Marl by M/S. Dalmia Cement (Bharat) Ltd, over an extent of mining lease-II of 13.295Ha at S.F.No.113/2 of Kallakudi Village (Pit – 2) and 81/1A of Kovandakurichi Village (pit No.4) , Lalgudi Taluk, Trichy District , Tamil Nadu –Environment Clearance - Schedule S. No. 1 (a) of Category “B1” – (<50 Ha)- Regarding.</p>
	<p>The Proponent of M/S. Dalmia Cement (Bharat) Ltd has applied for Environmental Clearance for proposed production enhancement from 0.05 MTPA to 0.75 MTPA of Limestone & Marl over an extent of mining lease-II of 13.295Ha at S.F.No.113/2 of Kallakudi Village (Pit – 2) and 81/1A of Kovandakurichi Village (pit No.4) , Lalgudi Taluk, Trichy District , Tamil Nadu on 06.07.2017.</p> <p>Earlier the proponent has applied & obtained Terms of Reference (ToR) for the above said expansion vide SEIAA Lr.No.SEIAA-TN/F.No.480/2012/M-XLI/TOR-141/2013 dated: 09.07.2013 and valid upto 08.07.2015. Subsequently, the project proponent has applied and obtained Extension of Terms of Reference (ToR) for a period of one Year valid upto 09.07.2017.</p> <p>The proposal consists of EIA report along with public hearing minutes which were placed in the 95th meeting of the SEAC held on 06.10.2017. Based on the presentation made by the proponent and the documents furnished, the SEAC made the following observations:</p> <ol style="list-style-type: none">1. The project involves production of 0.05 MTPA of Limestone & Marl now


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and the proponent proposes to expand the project to produce 0.75 MTPA. It means 15 times expansion. Obviously there will be significant environmental implications due to the expansion, if adequate pollution control measures are not implemented.

2. From the perusal of the EIA report and the data presented by the proponent during the meeting, the following important observations are made:

- a) In the Public hearing out of 39 recorded participants (villagers), 24 participants either opposed the project or expressed serious reservation about the expansion. They highlighted the problems they face such as smoke, dust, noise, impact on water table, etc.
- b) In the expansion, in the PVK pit 4, it is proposed to deepen the depth of mining upto 89 mts where the water table is at 45 – 55 mts. It means intersection with the ground water table.
- c) It is mentioned that the project has no adverse impact on water table but no supporting data in the form of water level in the adjoining wells have been furnished.
- d) From the baseline data presented by the proponent, the following are the air pollutant levels:
 - i. $PM_{2.5}$ – Maximum 41 microgram/ m^3 whereas permissible is 60 microgram/ m^3
 - ii. PM_{10} – Maximum 71 microgram/ m^3 whereas permissible is


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100 microgram/m³

- iii. SPM – Maximum 163 microgram/m³ at station A1 whereas maximum is 200 microgram/m³ (it is also noted that SPM is not a parameter in the current NAAQ standards)
- iv. Mean dust fall – 5.6 MT/km²/month (limit prescribed by NEERI is 10 MT/ km²/month)

From the data presented in (b), it is observed that the present level of dust pollution is closer to the maximum levels permissible. Hence, the proponent should take adequate dust pollution control measures in order to avoid further increase in the dust pollution.

3. From the data presented by the proponent, it is observed that noise levels reach upto 90 dB (A) during daytime and 85 dB (A) during night time in the project area. This has implications for the village community nearby.

The above concerns related to environment were communicated to the proponent and the proponent was asked to furnish a report on appropriate pollution control measures in order to mitigate the pollution due to the proposed expansion. The proponent was asked to submit the report in this regard on 07.10.2017.

The proponent submitted the report on 07.10.2017 to SEAC. The committee perused the report and interacted with the proponent regarding the proposals contained in the report. The salient features of the proposal


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submitted by the proponent covers the following:

1. Dust suppression measures
2. Green belt development
3. CSR activities
4. Health issues
5. Noise pollution control

Based on perusal of the additional report, EIA report and interaction with the proponent, the Committee decided to recommend the proposal to SEIAA for the grant of Environmental Clearance subject to the following specific conditions in addition to the normal conditions:

1. The proponent should completely implement all environmental pollution control measures as detailed in the EIA report and in the additional report.
2. Additional sprinklers to be effectively added along the route for transporting limestone from the mines to the plant.
3. Avenue plantation wherever needed has to be carried out along the route for dust suppression.
4. The green belt developed for the prevention of dust pollution should not form a part of the larger green belt development envisaged in the EIA report.
5. Regarding CSR activities, the proponent should concentrate more on infrastructure facilities useful to the local community. They should


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include skill development and sports as some of the activities in this regard. Specifically, they have agreed to donate Rs. 5 lakhs to Seva Mandhir at Parangipettai. In this regard, they have to deposit a DD of Rs. 5 lakhs in favour of the Seva Mandhir and submit the receipt to SEIAA before obtaining EC. The proponent should conduct youth development programmes for the local community.

6. Regular monitoring and check up for pulmonary and carcinogenic diseases to be carried out regularly, not only for the workers involved in the mines but also to the people in the villages adjoining the mines. Interaction with the PHC & district medical officer should be on regular basis to monitor the incidence of the diseases if any and to provide suitable medical facility for the patients.

7. As mining operations are conducted by deploying rock breakers which is bound to produce noise as well as vibration, a survey has to be undertaken for studying the vibrations and remedial action need to be taken to circumvent the noise pollution and dissemination from the source. Vibration studies need to be conducted by a reputed organization like Annamalai University, Anna University, NIT, Trichy. Green barrier needs to be provided between the mine boundary and the nearby habitation to minimize the noise pollution.

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	


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2	Dr.A.Navaneetha Gopalakrishnan	Member	
3	Dr.K.Valivittan	Member	
4	Dr.Indumathi M. Nambi	Member	
5	Dr. G. S. Vijayalakshmi	Member	
6	Dr. M. Jayaprakash	Member	
7	Shri V. Sivasubramanian	Member	
8	Shri V. Shanmugasundaram	Member	
9	Shri B. SugirtharajKoilpillai	Member	
10	Dr. P. Balamadeswaran	Co- Member	opt 
11.	Shri. M.S. Jayaram	Co- Member	opt 


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