118- F. 3258	**Proposed capacity enhancement of cement grinding from 0.9 MiTPA to 1.8 MiTPA by M/s. The India Cements Limited for the existing cement grinding unit located at S.F. No. 1497, 1499/1A, 1B, 1C, 1500, 1501/1, 2, 3, 1502/2, 1503/1, 2, 1506, 1507, 1508/1, 2, 1509, 1510, 1516, 1517, 1518, 1519, 1520/2, 1522, 1530, 1531/2, 3, 4, 5, 6, 1532/1, 2, 1533/1, 2, 1546 of Vallur Village, Ponneri Taluk, Thiruvallur District, Tamilnadu – Category "B1"-3(b) – Cement Grinding Units – Environmental Clearance - Regarding**
	The project proponent, M/s. **The India Cements Limited** has applied for ToR to SEIAA-TN for the proposed capacity enhancement of cement grinding from 0.9 MiTPA to 1.8 MiTPA for the existing cement grinding unit located at S.F. No. 1497, 1499/1A, 1B, 1C, 1500, 1501/1, 2, 3, 1502/2, 1503/1, 2, 1506, 1507, 1508/1, 2, 1509, 1510, 1516, 1517, 1518, 1519, 1520/2, 1522, 1530, 1531/2, 3, 4, 5, 6, 1532/1, 2, 1533/1, 2, 1546 of Vallur Village, Ponneri Taluk, Thiruvallur District, Tamil Nadu. In response to the application, Terms of Reference (ToR) was issued vide Lr. No. SEIAA-TN/F. 3258/2016/ 3(b)/ToR – 247/2016 dated: 17.05.2016 by SEIAA-TN with Public Hearing. Based on the ToR issued, the proponent submitted the EIA report along with the minutes of the public hearing meeting held on 02.08.2017 on 20.10.2017 to SEIAA-TN. On scrutiny of the EIA report, certain additional details were called vide office letter dated: 13.02.2018 and the proponent submitted the additional details to SEIAA-TN. The salient features of the project are as follows: 1. The India Cements Limited has obtained Environmental Clearance for the existing cement grinding unit having cement grinding capacity of 0.9 MTPA (vide Lr. F.No. J-11011/363/2007-AI-II (I) dated: 24.08.2007). The proponent has furnished the compliance report obtained from the Regional Office, MoEF & CC, Chennai vide letter dated: 14.10.2014. 2. The current proposal is for the production of ordinary

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	Portland Cement and Portland Pozzolana Cement from 0.9 MiTPA to 1.8 MiTPA by producing additional product white cement. 3. The expansion activity will take place in phase wise manner. Phase 1 – increase in number of shifts of operation from 2- 3 thereby increasing the production capacity to 1.26 MiTPA. Phase II – introducing roller press of suitable capacity and ball mill of capacity 15 Tonnes / annum exclusively for white cement, thereby increasing the production capacity to 1.8 MiTPA. 4. For existing operation, ordinary Portland Cement - 0.18 MTPA, Portland Pozzolana Cement – 0.72 MTPA totally 0.9 MTPA. 5. The raw material requirement for the existing: clinker (Grey) – 740800 Tonnes /annum, Flyash – 223, 200 tonnes /annum and Phospogypsum – 36000 Tonnes/annum. For expansion, clinker (Grey) – 1,132,800 Tonnes /annum, clinker (White) – 192, 000 Tonnes/annum, Flyash – 403, 200 tonnes /annum and Phospogypsum – 72000 Tonnes/annum. 6. For proposed, the existing product remains the same and in addition white cement will be added as a product. Put together, the total production capacity will be 1.8 MTPA. 7. The water requirement will be sourced from tankers. The total fresh water demand for the proposed expansion will be 70 KLD from which 25 KLD is used for industrial usage, 6 KLD for domestic usage, 7 KLD for cooling tower makeup & 32 KLD for green belt development. 8. The process involved is as follows: • The purchased clinker is being unloaded from the wagon by mechanical means for which a wagon

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	tippler is provided. • The unloaded clinker is being transported through closed belt conveyors to a completely closed clinker silo with a capacity of 10000 tonnes. • From silo, the clinker will be extracted and feed into two counter rotating rolls of roller press (pre grinding unit) in which the material is crushed. • The crushed compacted cakes then fed into the closed circuit ball mill with sepol separator. • In the separator, the cement with required finesses is separated as a final product where as the coarse are recycled to the mill for further grinding. • For ordinary Portland cement, the clinker is ground with gypsum and for Portland pozzolona cement, the clinker is ground with fly ash and gypsum. • In case of white cement, white clinker is being used instead of grey clinker. • It is then conveyed to the cement silo by means of air slides. • The pre grinding of clinker takes place in the roller press circuit, hence the ball mill capacity increases. • Two completely closed concrete silos of capacity 5000 MT each are available for storing the ground cement. • The cement will be drawn from cement silos for packing through the air slides and elevator. • Then it is stored in a hopper from where it will be packed in bags by means of electronic packer. • The packed cement will be conveyed through the belt

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	conveyors to the trucks for dispatching the cement bags to the market. 9. Athipattu village and Athipattu Pudhu nagar are located at 1.2 Km and will be subject to particulate matter pollution from the industry. The particulate matter from the industry has the potential to cause silicosis in human beings. 10. There will be fugitive emission within the industry in handling of raw material and grinding operations. The workers in the industry will be exposed to the fugitive emission. The EIA report was placed in the 118th SEAC Meeting held on 02.08.2018. Based on the presentation made by the proponent and the documents furnished, the SEAC decided to recommend the proposal to SEIAA-TN for the grant of Environmental Clearance subject to the following conditions in addition to the normal conditions: 1. The proposal includes the Survey nos. 1499/1A, 1500, 1501/3, 1502/2, 1503/1, 2 & 1507 comes under primary residential use zone. The project proponent is directed to obtain land use reclassification from primary residential use zone to industrial zone from the CMDA and submit the same before issue of EC. 2. Comprehensive and periodical health check up should be conducted for workers with reference to health problems like silicosis due to the particulate matter generated in the industry. This should be done for the public in the Athipattu villages. 3. Adequate engineering measures should be implemented to contain fugitive emissions completely. 4. Workers should be protected against inhalation of dust particles with appropriate protective measures. 5. Thick greeneries should be developed using tree plants between the villages and the industry. The species selected should have pollution abetment potential.

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	6. For CER, the proponent has spent Rs. 74 Lakhs for creating infrastructure in the nearby communities. However, no supporting documents provided. The proponent has to pay amount of Rs.30 Lakhs towards CSR for the existing project activities to " Cancer Institute, Adyar " before issue of EC. As a part of CER activity for the present proposal, an amount of 30 Lakhs should be deposited with District Collector for implementing welfare measures related to the Athipattu village and Athipattu Pudhu Nagar people for infrastructure projects.

S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr.K.Valivittan	Member	
3	Dr.Indumathi M. Nambi	Member	
4	Dr. G. S. Vijayalakshmi	Member	
5	Dr. M. Jayaprakash	Member	
6	Shri V. Sivasubramanian	Member	
7	Shri V. Shanmugasundaram	Member	
8	Shri B. Sugirtharaj Koilpillai	Member	
9	Shri. P. Balamadeswaran	Co-opt Member	
10	Shri. M.S. Jayaram	Co-opt Member	

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