

**Minutes of the 112<sup>th</sup> SEAC Meeting held on 29<sup>th</sup> May 2018**

<p>112-  F.2453/2018</p>	<p><b>Proposed expansion of production capacity from 5,76,000 TPA to 23, 04,000 TPA of LPG by M/s. Indian Oil Petronas Private Limited at Athipattu Village, Ponneri Taluk, Thiruvallur District, Tamilnadu – Category “B1”-6 (b) Isolated Storage &amp; Handling of Hazardous Chemicals (As per threshold planning quantity indicated in column 3 of schedule 2 &amp; 3 of MSIHC Rules 1989 amended 2000)– Environmental Clearance to be issued- Regarding</b></p>
	<p>The proponent has obtained Environmental Clearance from MoEF &amp; CC for Butane / propane &amp; LPG import / export facility (6, 00,000 MT/ year) at Ennore Village, Ponneri Taluk, Thiruvallur District vide F.No. J-11011/433/2006-IA.II (I) dated: 28.04.2008. The proponent has obtained compliance report from Regional Office, MoEF &amp; CC, Bangalore dated: 09.12.2013.</p> <p>The Proponent, M/s. Indian Oil Petronas Private Limited, has applied to SEIAA-TN for Terms of Reference for the proposed expansion of production capacity from 5, 76 ,000 TPA to 23, 04,000 TPA of LPG at Athipattu Village, Ponneri Taluk, Thiruvallur District, Tamilnadu on 15.10.2015.</p> <p>In response to the application, Terms of Reference (ToR) was issued vide Lr.No. SEIAA-TN/F.No. 2453/2015/6(b)/ToR – 237/2015 dated: 23.12.2015 by SEIAA-TN with Public hearing.</p> <p>Based on the ToR issued, the proponent submitted the EIA report along with the Public Hearing minutes to SEIAA on 24.01.2018. On scrutiny of the EIA report, certain additional details were called vide office letter dated: 24.03.2018 and the proponent submitted the additional details on 15.05.2018.</p> <p>The salient features of the project are as follows:</p> <ol style="list-style-type: none"> <li>1) The Indian oil Petrons Pvt Ltd ( IPPL) has propose to increase its LPG throughput capacity by increasing the numbers of shifts from one to three and by installing four additional truck loading decanting (TLD) bays. The proposed expansion will take place at their Terminal located at Athipattu Village.</li> </ol>



## Minutes of the 112<sup>th</sup> SEAC Meeting held on 29<sup>th</sup> May 2018

	<p>Ponneri Taluk, Thiruvallur District. The LPG throughput will increase from 5,76,000 TPA to 23,04,000 TPA.</p> <p>2) Operations involves</p> <ul style="list-style-type: none"> <li>• Import of propane/butane in refrigerated state in Jetty through ship tankers and unloading the same at the jetty</li> <li>• Transfer of product through cross country pipeline and storing in dedicated refrigerated tanks (IPPL, Athipattu).</li> <li>• Transfer of product from tanks through pumps to heating train and then to online blending system for production of domestic LPG and Auto LPG</li> <li>• Mercaptan dosing of the LPG and transfer to loading gantry for loading on to road trucks for dispatch to destination.</li> </ul> <p>3) List of hazardous materials used in the factory premises</p> <ul style="list-style-type: none"> <li>• Propane</li> <li>• Butane and</li> <li>• LPG</li> </ul> <p>4) Safety management system:</p> <ul style="list-style-type: none"> <li>• Safety software such as EPA approved DNV – Phast is used of consequence analysis. This software is used for MCACA to calculate thermal radiation and explosion effect distance.</li> <li>• Maximum credible accident and consequence analysis (MCACA)</li> </ul> <p>5) In the Public Hearing conducted by the proponent, 14 participants have expressed their opinion about the project. Out of 14, 2 participants have expressed apprehension about the operation of the terminal due to the leakage of LPG gas from the terminal. The remaining participants have neither welcomed nor opposed the expansion project. However all of them have expressed their dissatisfaction with reference to the</p>
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## Minutes of the 112<sup>th</sup> SEAC Meeting held on 29<sup>th</sup> May 2018

	<p>non fulfilment of welfare measures required for the community.</p> <ol style="list-style-type: none"><li>6) The existing terminal has a LPG production capacity of 5,76,000 TPA.</li><li>7) The present proposal is to increase the throughput of LPG from 5, 76, 000 TPA to 23, 04,000 TPA.</li><li>8) In the proposed expansion there is no addition of tanks. It is proposed to increase from one shift to three shifts.</li><li>9) For the proposed project, there is no extra land purchased for the proposed expansion.</li><li>10) The municipal waste generated on the site is segregated at the source and disposed through local bodies.</li><li>11) The spent oil generated from the operation of DG sets is handed over to the Authorized recyclers.</li><li>12) No additional man power is required for the proposed project. At present 110 number of man power including contract workers.</li><li>13) There will be no change in the power requirement.</li><li>14) The water requirement increases from 150 KLD to 187 KLD. The source of water is from CMWSSB. The details are as follows:<ul style="list-style-type: none"><li>• Cooling tower water increases from 114 KLD to 118 KLD.</li><li>• Domestic water consumption increases from 31 KLD to 64 KLD</li><li>• Fire water tank of 5 KLD remains the same.</li></ul></li></ol> <p>The proposal was placed in the 112<sup>th</sup> SEAC Meeting held on 29.05.2018. The project proponent made a presentation which covered the existing industrial operation including safety management. The proponent also detailed about the implications of the expansion regarding safety aspects. After detailed discussion, the Committee decided to recommend the proposal to SEIAA-TN for the grant of</p>
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## Minutes of the 112<sup>th</sup> SEAC Meeting held on 29<sup>th</sup> May 2018

Environmental Clearance subject to the following conditions in addition to the normal conditions:

- 1) The Athipattu Village is located just about 200m from the boundary of the terminal on the eastern side and also on the southern side. The proponent should operate and maintain the terminal in order to ensure safety of the people in Athipattu village. Strict monitoring of escape of hazardous gases in the terminal should be done and all safety management system should be in place round the clock.
- 2) In the public hearing, people have expressed their opinion regarding escape of LPG gas from the terminal to the village nearby. If the public perception is true then the proponent should strictly ensure that no escape of LPG into the atmosphere is caused and all safety measures should be in place.
- 3) Towards green belt, the project proponent has allotted 174993 sq.m (39.29 % of the total land area) more than the norms. Green belt shall be planted with 5570 numbers of indigenous species. The following species may be planted.

Pongamia glabra	Pungan
Michelia champaca	Shenbagam
Ficus religiosa	Arasu
Azadirachta indica	Vembu
Terminalia arjuna	Neermarudhu
Calophyllum inophyllum	Punnai
Syzygium cumini	Naval
Madhuca longifolia	Ilippai
Mimusops elengi	Magilam

The proponent has informed that around 2500 number of trees exists in the plant and proposed to plant another 3200 number of trees of native species. Thick greeneries should be developed

# Minutes of the 112<sup>th</sup> SEAC Meeting held on 29<sup>th</sup> May 2018

	<p>using tree plants between the villages and the industry. The species selected should have pollution abatement potential. This should be completed before getting EC. The dimensions &amp; DGPS (Differential Global Positioning System) co-ordinates of areas allocated for green belt shall be provided.</p> <p>4) For CER: The project proponent shall allocate and utilize the CER fund of Rs. 20 Lakhs totally (1 % of the project cost – one time), for the purpose of infrastructure facilities including basic amenities like drinking water supply and sanitation, sports facilities in the nearby Athipattu Village. The proponent should spend the CER funds before obtaining CTO from TNPCB.</p> <p>5) Towards CSR activities, the project proponent shall follow the existing norms i.e. 2% of the annual profit.</p>
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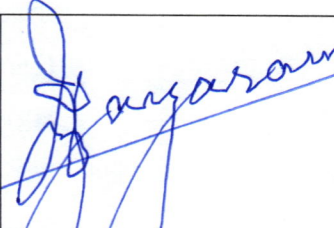
S.No	Name	Designation	Signature
1	Dr. K. Thanasekaran	Member	
2	Dr.K.Valivittan	Member	
3	Dr.Indumathi M. Nambi	Member	
4	Dr. G. S. Vijayalakshmi	Member	
5	Dr. M. Jayaprakash	Member	
6	Shri V. Shanmugasundaram	Member	
7	Shri B. Sugirtharaj Koilpillai	Member	
8	Shri. P. Balamadeswaran	Co-opt Member	

Member-Secretary, SEAC

Chairman, SEAC



**Minutes of the 112<sup>th</sup> SEAC Meeting held on 29<sup>th</sup> May 2018**

9	Shri. M.S. Jayaram	Co-opt Member	
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Member-Secretary, SEAC

  
Chairman, SEAC