

F. No. J-11011/124/2015-IA.II (I)  
Government of India  
Ministry of Environment, Forest and Climate Change  
(Impact Assessment Division)

Indira Paryavaran Bhawan  
Aliganj, Jor Bagh Road,  
New Delhi -110 003

Telefax: 011-24695365  
E-mail: [yogendra78@nic.in](mailto:yogendra78@nic.in)

Dated: 28<sup>th</sup> March, 2017

To,

M/s Southern Petrochemical Industries Corporation Ltd.  
SPIC Nagar, Mullakadu Village, Thoothukudi Taluka  
Tamilnadu

**Sub: Changeover of Feedstock and Fuel from Naphtha to mixed feed stock (Natural gas and Naphtha) at SPIC Nagar, Muthiahpuram village, Tuticorin, Tamilnadu by M/s Southern Petrochemical Industries Corporation Ltd. - Environmental Clearance - reg.**

**Ref: Online Proposal No. IA/TN/IND2/57344/2014 dated 01<sup>st</sup> September, 2016.**


Sir,

This has reference to your online proposal no. IA/TN/IND2/57344/2014 dated 01<sup>st</sup> September, 2016 along with project documents including Form I, Terms of References, Pre-feasibility Report and EIA/EMP Report regarding the above mentioned project.

2. The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that the proposal is for Changeover of Feedstock and Fuel from Naphtha to mixed feed stock (Natural gas and Naphtha) at SPIC Nagar, Muthiahpuram village, Tuticorin, Tamilnadu by M/s Southern Petrochemical Industries Corporation Ltd. As informed and as per the documents submitted by the Project Proponent (PP), the total plot area of exiting unit is 4,61,341 sq. m, out of which 1,43,536 sq. m (32.9%) earmarked for greenbelt. The total project cost is ₹ 96 Crores. Cost earmarked for environmental protection measures are ₹ 50.6 Crores and recurring cost per annum is ₹ 11.735 crore. No national parks/wildlife sanctuaries/reserve forest/water body are located within 10 km radius of the project site.

3. All the Chemical Fertilizers industries (All projects including all Single Super Phosphate with H<sub>2</sub>SO<sub>4</sub> production except granulation of chemical fertilizers) are listed in S. No. 5(a) of Schedule of Environmental Impact Assessment (EIA) Notification, 2006 under Category 'A' and are appraised at Central Level by Expert Appraisal Committee (EAC).

4. The project proposal was considered by the Expert Appraisal Committee (Industry -2) in its 16<sup>th</sup> meeting held during 8<sup>th</sup> - 9<sup>th</sup> December, 2016. The project proponent and their accredited consultant M/s EQMS India Pvt. Ltd., Delhi gave a detailed presentation on the salient features of the project and proposed environmental protection measures to be undertaken as per Draft Terms of References (TORs) awarded during the 40<sup>th</sup> Meeting of the Expert Appraisal



Committee (Industry -2) held during 18<sup>th</sup> – 19<sup>th</sup> May, 2015 for preparation of EIA-EMP report. The TOR was issued by Ministry vide letter dated 30<sup>th</sup> June, 2015.

5. The PP have been granted with Environmental Clearance vide letter no. J-11011/171/2007-IA.II (I) dated 5<sup>th</sup> March, 2008. The PP has submitted the compliance status report for the conditions stipulated in the earlier Environmental Clearance vide letter no. S&E/E-23/15 dated 18/04/2016. The EAC deliberated on the compliance status report of the PP and found satisfactory. The EAC suggested the PP to submit the certified compliance status report from the concerned Regional Office of the MoEF&CC. The PP has submitted the certified compliance report issued by Ministry's Regional Office, Chennai dated 07.01.2015

6. Public hearing/consultation has been exempted for the project as per provisions under para 7 (ii) of the EIA Notification, 2006.

7. The ambient air quality monitoring was carried out at 8 locations during April, 2015–June, 2015 and the baseline data indicates the ranges of concentrations as: PM<sub>10</sub> (48 µg/m<sup>3</sup> – 87.1 µg/m<sup>3</sup>), PM<sub>2.5</sub> (21 µg/m<sup>3</sup>– 43 µg/m<sup>3</sup>), SO<sub>2</sub> (5 µg/m<sup>3</sup>–19.5 µg/m<sup>3</sup>), NO<sub>x</sub> (7.5 µg/m<sup>3</sup>–30 µg/m<sup>3</sup>), CO (0.01 µg/m<sup>3</sup>–0.95 µg/m<sup>3</sup>) and NH<sub>3</sub> (0 to 110.9 µg/m<sup>3</sup>) respectively. AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 5.1 µg/m<sup>3</sup>, 17.1 µg/m<sup>3</sup> and 7.55 µg/m<sup>3</sup> with respect to SPM, SO<sub>2</sub> and NO<sub>x</sub>. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

8. The existing site has 110 KVA Electrical Sub Station Connected with 230 KVA Auto substation of Tamil Nadu Electric Board. Existing Urea plant is getting the electric power from Tamil Nadu Electric Board. Existing Urea Plant has 18.4 MWH Captive Power Plant. DG Set of capacity 2760 KVA will be used as stand by.

9. Steam requirement will be met from two existing Oil/Natural gas fired boilers of capacity 90 Tons/hr and 1 additional boiler of capacity 120 Tons/hr.

10. Fresh water requirement of the proposed project is 15186 KLD which will be sourced from Tamil Nadu Water Supply and Drainage Board.

11. The PP vide letter dated 09/12/2016 has submitted that the present proposal does not involves: (i). Change in Urea production capacity , (ii). Change in area of the existing project, (iii). Change in Water requirement, (iv). Change in power requirement, (v). Change in captive power generation from existing limit and (vi). Change in effluent generation/waste water generation and other emissions.

12. The EAC, in its 16<sup>th</sup> meeting held during 8<sup>th</sup>- 9<sup>th</sup> December, 2016 has found that the final EIA/EMP report submitted by the PP is adequate. The EAC after detailed deliberations, on the basis of the information and presentation made by the PP, has recommended the project for environmental clearance subject to compliance of the other conditions in the existing EC.

13. Based on the proposal and information submitted by the Project Proponent, and considering the recommendation of the Expert Appraisal Committee (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the above project under the provisions of EIA Notification dated 14<sup>th</sup> September 2006.

14. All the other conditions in the environmental clearance letter no. J-11011/171/2007-IA.II (I) dated 5<sup>th</sup> March, 2008 remains the same. The PP shall comply with all the other conditions in the EC dated 05<sup>th</sup> March, 2008.

15. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.

16. The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.

*G. P. Singh*  
22.3.2017  
(Yogendra Pal Singh)  
Scientist 'D'

**Copy to:-**

1. The Secretary, Department of Environment, Government of Tamilnadu, No.1, Jeenis Road, Panagal Building, Ground Floor, Saidapet, Chennai, Tamilnadu-600 015
2. The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), 1<sup>st</sup> and II<sup>nd</sup> Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai - 600034
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 110 032.
4. The Chairman, Andhra Pradesh Pollution Control Board, Paryavaran Bhavan, A-III, Industrial Estate, Sanath Nagar, Hyderabad.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor Bhag, New Delhi- 110 003.
6. Guard File/Monitoring File/Website/Record File.

*G. P. Singh*  
22.3.2017  
(Yogendra Pal Singh)  
Scientist 'D'

