

# MAHARASHTRA POLLUTION CONTROL BOARD

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MPCB/AS(T)/TB/B- 3238

Date : 08/08/2014.

To,  
M/s Angadpal Industries Pvt. Ltd.,  
Plot No. H-4/3, MIDC Tarapur,  
Boisar, Tal. Palghar,  
Dist. Thane-401 506.

**Sub:-Permission for installation of Pet Coke fired 6 TPH Boiler on trial basis.**

- Ref:- 1)Your request letter No. ail/178/2013-14 dtd. 30/01/2014.  
2)Board's Office order No. 29 of 2014 vide letter No. MPCB/AS(T)/B-1315 dtd. 02/04/2014  
3)Minutes of the meeting of the working group/Committee constituted for Pet Coke dtd. 09/06/2014.  
4)M/s T.I.M.A.'s letter No. MPCB/TIMA/2014/106 dtd. 29/07/2014.

This has reference with request letters seeking permission for use of Pet Coke as an alternate fuel in place of Coal received in the Board in the month of January 2014 from several industries operating in MIDC Tarapur area. Board has constituted a working group/Committee vide letter referred at Ref. No. (2) above to study merits of use of Pet Coke as an alternative fuel in place of Coal.

The working group/Committee constituted for Pet Coke caused visit on 20/05/2014 to some of the industries in Tal. Palsana, Dist. Surat, Gujrat which have been granted permission for use of Pet Coke on trial basis by Gujrat Pollution Control Board to study the merits/demerits of use of Pet Coke as an alternative fuel in place of Coal with specially designed Wet Scrubber.

The working group/Committee's final meeting took place on 09/06/2014 which has recommended to grant permission for use of Pet Coke as an alternate fuel in place of Coal on trial basis subject to various conditions including provision of adequate air pollution control devices to control air emissions and provision of online monitoring facility for SO<sub>2</sub> etc.

Based upon the recommendations of the working group/Committee constituted for Pet Coke vide Ref. No.(3) above and request letter of M/s T.I.M.A. dtd. 29/07/2014, it has been decided by the Board to grant permission to you for installation of Pet Coke fired 6 TPH steam generation capacity Boiler on trial basis subject to the following conditions:

1. The applicant shall install pet coke fired Boiler of 6 TPH steam generation capacity for trial run only.
2. The applicant shall use premix of lime (20-30%) with pet coke as a fuel for boiler.
3. The boiler/furnace emissions shall conform to  $\text{SO}_2$  standards of  $400 \text{ mg/Nm}^3$  as laid down by the Ministry of Environment & Forests for the small boilers.
4. The industry shall provide well designed two stages de-sulphurization i.e. at combustion stage and for off flue gas emissions.
5. The industry shall install dry type air pollution control device, such as cyclone/multi-cyclone followed by spray type alkali scrubber and packed bed alkali scrubber. The industry shall use only caustic soda as scrubbing media.
6. The industry shall install online monitor for  $\text{SO}_2$  at the stack of the boiler.
7. The industry shall provide interlocking of pH meter, scrubber flow pump and online  $\text{SO}_2$  monitor with hooter system at the feeding system of boiler, so as to ensure that the feeding system of fuel in the boiler should become in shut down condition, in case, the pH of the scrubbing media reduces below 9 and/ or the concentration of  $\text{SO}_2$  increases beyond the prescribed standard of  $400 \text{ mg/Nm}^3$  at any time.
8. The industry shall provide online pH meter on the recirculation tank of scrubbing liquor, from where the said liquor is led to the air pollution control device and ensure that the pH of the feed scrubbing liquor should remain within the range of pH - 10 to 12.
9. The industry shall provide flow meter and pressure gauge at the outlet of the pump used to supply the scrubbing liquor to the alkali scrubber, so as to ensure that the scrubbing liquor is led to the all pollution control device at the desired rate and pressure.
10. The industry shall provide a stack of height calculated by using the formula  $H=14XQ^{0.4}$  or 30 meter whichever is higher.
11. The applicant shall get verified the compliance of the conditions of provisions of air pollution control systems, interlocking & hooter systems from Sub-group constituted by the M.P.C. Board in this regard and shall obtain separate permission to operate/ use pet coke on trial basis in writing from the M.P.C. Board before commencement of actual operation of the pet coke fired boiler.



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12. This Board reserves the right to amend, revoke or add any conditions in this Permission Letter and same shall be binding on the applicant.
13. This Permission should not be construed as an exemption from obtaining necessary NOC from any other Government agencies as may deem fit necessary.

  
(Rajeev Kumar Mital)  
Member Secretary

Copy to:

1. Asst. Sec. (Tech.)/Sr. L.O./J.D. (W.P.C.)/J.D. (A.P.C.)/P.S.O/R.O. (HQ), M.P.C. Board, Mumbai.
2. Regional Officer (Thane)/Sub-Regional Officer (Tarapur-I), M.P.C. Board, Thane.
3. M/s T.I.M.A., P-14, Recreation Centre, MIDC Tarapur Indl. Area, Tal. Palghar, Dist. Thane-401 506.