

December 07, 2017

Member Secretary  
Goa State Pollution Control Board  
Dempo Tower, I Floor  
EDC Complex, Patto Plaza  
Panaji-403 001, Goa

Dear Sir,

**Subject: Submission of 17<sup>th</sup> Compliance Status Report of EC conditions including results of monitored data for the period April 2017 to September 2017**

**Reference: EC no. F.No. J-11011/217/2008-IA-II(I) dated 1<sup>st</sup> September, 2009 and Corrigendum dated 30<sup>th</sup> October, 2009 issued by Ministry of Environment and Forests, New Delhi.**

With reference to above and in compliance with the stipulated conditions mentioned in the Environmental Clearance (EC) issued to us, we are submitting herewith the 17<sup>th</sup> Compliance Status Report of the stipulated EC conditions including results of monitored data for the period April 2017 to September 2017. The soft copy of the same is also sent to your office by e-mail at [goapcb@rediffmail.com](mailto:goapcb@rediffmail.com) and the same is being uploaded on our Company's website at [www.zuari.in](http://www.zuari.in).

In compliance with the EC conditions, the Compliance Status Report is also submitted, both on hard copy which also has a CD version of the report firmly attached to the last page of the report as well sent as soft copy through e-mail, to RO-MoEF, Bangalore and ZO-CPCB, Bangalore.

All necessary contact details are also submitted herewith as Annexure I.

Thanking You,

Yours faithfully,  
For **Zuari Agro Chemicals Ltd.**



**A.A. Pacheco**  
**General Manager – Manufacturing**

Enclosed: as above

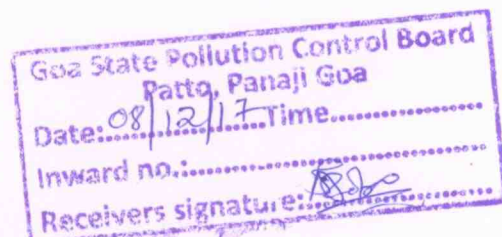
**ZUARI AGRO CHEMICALS LIMITED**  
(Formerly known as Zuari Holding Limited)

CIN No.: L65910GA2009PLC006177

Registered Office: Jaikisaan Bhawan, Zuarinagar, Goa - 403726, India

Tel: +0832 259 2180, 259 2181 Fax: +0832 255 5279

[www.zuari.in](http://www.zuari.in)



**ZUARI AGRO CHEMICALS LIMITED**

JAIKISAN BHAWAN, ZUARINAGAR- 403726, GOA

**17<sup>th</sup> COMPLIANCE STATUS REPORT OF ENVIRONMENTAL CLEARANCE CONDITIONS**

**INCLUDING RESULTS OF MONITORED DATA FOR THE PERIOD April 2017 to September 2017**

**Reference:**

Environmental Clearance No. J-11011/217/2008-IA-II (I) dt. 1<sup>st</sup> September, 2009 and Corrigendum dt. 30<sup>th</sup> October, 2009 issued by Ministry of Environment and Forests, Government of India, New Delhi.

**Project:**

Revamp of Ammonia plant for changeover of feedstock and fuel from Naphtha to NG / RLNG and reduction of specific energy consumption along with debottlenecking the capacity of Ammonia and Urea plants, changeover of fuel from FO to NG / RLNG in the Utility Boilers as also debottlenecking the capacity of NPK plants A & B along with product mix change at Zuarinagar, Goa by M/s. Zuari Agro Chemicals Ltd.

**Status of the Project:**

The first phase of feed and fuel change over from Naphtha to NG / RLNG in Ammonia plant and fuel changeover from Furnace Oil to NG / RLNG in Utilities Boilers has been successfully carried out on line without any plant stoppage during February 2013. For the revamp for debottlenecking the capacity of Ammonia and Urea (including Granulation) plants and at reduced specific energy consumption, the delivery of the Basic Engineering Design Package (BEDP) was completed in July-2016 by M/s CASALE, Switzerland. The next phase of the Ammonia-Urea Plant Revamp would be the Financial Closure and award of EPC Contract which is expected to be completed by H1-2018. Also, the Revamp of Steam-Power Generation Facility along with the Installation of Urea Granulation unit are integrated with the Revamp of Ammonia, Urea Plants. The Process of obtaining EC for these additional features is underway. In the Ammonia plant, in compliance with the EC/CREP, the Solution in the CO<sub>2</sub> Removal section has been swapped from Arsenic bearing Modified Benfield Solution to Non-Arsenic based GV Solution (V<sub>2</sub>O<sub>5</sub> based). Necessary hardware additions were also done along with the Solution Swap. The disposal of the modified Benfield Solution through Solidification/Stabilization has been completed in February, 2017. The debottlenecking project for enhanced capacity of NPK plant-A and NPK plant-B along with product mix change has been completed and the plants are operational effective from December, 2015 and May, 2017 respectively. The revamped Scrubbing Systems in the NPK-A and NPK-B Plants have been very effective such that the Ammonia emissions are well below the prescribed emission norms. We have obtained the Consent to Establish from Goa State Pollution Control Board in June 2012 for the entire project and we also obtained the Consent to operate the plants for enhanced capacities letter dt. 13<sup>th</sup> April, 2014.

