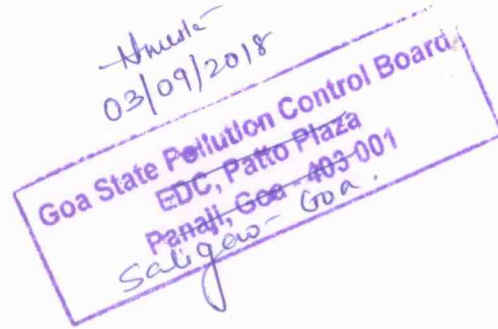


August 31, 2018

Member Secretary,
Goa State Pollution Control Board,
Nr. Pilerne Industrial Estate,
Opp. Saligao Seminary,
Saligao-Bardez,
Goa 403511



Dear Sir,

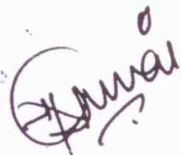
Subject: Environmental Statement for the year 2017-18

Please find enclosed herewith the "Environmental Statement" for the year 2017-18 in Form - V in compliance with Rule-14 of the Environment (Protection) Rules, 1986.

Hope the information provided meets your requirement.

Thanking you,

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



N.G Dessai
Chief General Manger-Operations

Enclosed: as above

ZUARI AGRO CHEMICALS LIMITED

CIN No.: L65910GA2009PLC006177

Registered Office: Jaikisaan Bhawan, Zuarinagar, Goa - 403 726, India.

Tel: +0832 2592180. 2592181. 6752399

ZUARI AGRO CHEMICALS LTD, ZUARINAGAR, GOA

FORM - V

Environmental Statement for the financial year ending 31st March, 2018

PART – A

(i) Name and Address of the Owner / Occupier of the Industry, Operation or Process

Mr. Sunil Sethy
Managing Director
Zuari Agro Chemicals Ltd.
(Fertilizer Division)
Jaikisaan Bhawan
Zuarinagar – 403 726
Goa

(ii) Industry Category ----- Primary – (STC Code) / Secondary – (SIC Code)

Chemical Fertilizer Industry (Nitrogenous and Complex Grades)

(ii) Production Capacity – Units

| Sr. No. | Product | Installed Production Capacity MT/ Year | Actual Production for 2017-18, MT |
|----------------|-------------------------------|---|--|
| 1 | Ammonia * | 346500 | 297650 |
| 2 | Urea | 495000 | 472897 |
| 3 | Complex Grades in NPK-A plant | 500000 | 346073.1 |
| 4 | Complex Grades in NPK-B plant | 500000 | 342045.3 |

(* Intermediate Product used for captive consumption)

(iv) Year of Establishment

1967 (Actual commercial production started in 1973)

(v) Date of the last Environmental Statement submitted

September 28, 2017

PART – B

Water and Raw Material Consumption

| | |
|------------------------------|---|
| (i) Water Consumption | M³ / Day (Based on typical water balance) at Avg. plant loads) |
| Process | 3470 * |
| Cooling | 5630 |
| Domestic | 470 |
| Total | 9570 ** |

(* includes Boiler feed water make up, Treated water etc.)

(**excludes Avg. colony water supply of about 400 M³ / Day)

| Name of Products | Process water consumption per unit of product output | |
|-------------------------------|--|---|
| | During the previous financial year 2016-17 | During the current financial year 2017-18 |
| Urea | 7.16 M ³ / MT | 7.145 M ³ / MT |
| Complex Grades in NPK-A plant | 0.3746 M ³ / MT | 0.2887 M ³ / MT |
| Complex Grades in NPK-B plant | 0.3701 M ³ / MT | 0.4123 M ³ / MT |

(* Process water consumption requirement of NPK-A and NPK-B plants is met by recycling the effluent/ waste water from Effluent Treatment Plant)

(i) Raw Material Consumption

| Name of Raw Material * | Name of Products | Consumption of Raw Material per unit of Output (MT/MT) | |
|------------------------|--|--|---|
| | | During the previous financial year 2016-17 | During the current financial year 2017-18 |
| Natural Gas | Ammonia (Intermediate product for captive consumption) | 0.565 | 0.562 |
| Ammonia | Urea | 0.58 | 0.58 |
| CO ₂ | | 0.748 | 0.758 |

| Name of Raw Material * | Name of Products | Consumption of Raw Material per unit of Output (MT/MT) | |
|--|-------------------------------|--|--|
| | | During the previous financial year 2016-17 | During the current financial year 2017-18 |
| Ammonia P ₂ O ₅ H ₂ SO ₄ Filler Urea | 18:46:00 grade (Samrat) | 0.2152 0.4680 0.0353 0.0491 0.00929 | 0.2120 0.4715 0.0353 0.0445 0.0153 |
| Ammonia P ₂ O ₅ Potash H ₂ SO ₄ Filler | 10:26:26 grade (Samarth) | 0.1250 0.2655 0.4495 0.0083 0.0404 | 0.1249 0.2729 0.4500 0.0043 0.0530 |
| Ammonia P ₂ O ₅ Potash H ₂ SO ₄ Filler | 12:32:16 grade (Sampatti) | 0.1488 0.3209 0.2793 0.0147 0.0562 | 0.1466 0.3245 0.2790 0.0066 0.0620 |
| Ammonia P ₂ O ₅ Potash H ₂ SO ₄ Filler Urea | 19:19:19 grade (Sampoorna) | 0.0794 0.1977 0.3340 0.0130 0.0149 0.2829 | 0.0834 0.1959 0.3340 0.0162 0.0309 0.2732 |

(* Industry may use codes if disclosing the details of raw materials would violate contractual obligations, otherwise all industries have to name the raw materials used)

