

GOA STATE POLLUTION CONTROL BOARD

गोंय राज्य प्रदुशण नियंत्रण मंडळ

(An ISO 9001-2008 Certified Board)

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No. 5/53 47/17-PCB/C1-2491

Date: 25/01/2017

Renewal of Consent to Operate under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization/Renewal of under Rule 6(i) of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.

[To be referred as Water Act, Air Act and HW (M & T) Rules respectively]

RENEWAL OF CONSENT TO OPERATE AND AUTHORIZATION is hereby granted to:

M/s. CANACONA HYDROCARBONS
(Represented By: Shri. Edwin Kamaraj)
(Small Scale Enterprises)
(Orange Category)

Plot no. 87 & 89,
Canacona Industrial Estate,
Canacona-Goa.

Located in the area declared under the provisions of the Water Act, Air Act and Authorization under the provisions of HW (M & T) Rules, subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. This Renewal of Consent to operate and Authorization is issued in supersession of the earlier Consent Orders issued vide Order No.5/5112/11-PCB/2155 dt 02/07/2012 is valid up to **22/12/2023.**

2. This Renewal of Consent to operate and Authorization is valid for the manufacture of:

Sr. No	Description	Quantity
1	Recycling of Waste oil	16,200 KL/Annum
2	Sludge Oil	
3	Furnace Oil	

3. **CONDITIONS REQUIRED TO BE COMPLIED UNDER THE WATER ACT:**

(i) The daily quantity of industrial effluent from the factory shall not exceed **5 KL/QUARTER**

(ii) The daily quantity of domestic effluent from the factory shall not exceed **2.0 KLD**

(iii) **Industrial Effluent Treatment:**

The unit shall operate & maintain comprehensive effluent treatment plant (14KLD capacity) consisting of primary/ secondary and/ or tertiary treatment as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of the treated effluent to the following standards:

pH	Between	5.5 & 9.0
Suspended Solids	Not to exceed	100 mg/l
BOD, 3 days, 27° C	Not to exceed	30 mg/l
COD	Not to exceed	250 mg/l
Oil & Grease	Not to exceed	10mg/l

Other parameters should meet the standards specified in Schedule I (Rule 3) and Schedule VI [Rule 3(3A)] of the Environment (Protection) Act 1986 for the relevant Industry

(iv) **Industrial Effluent Disposal:**

The treated effluent shall be recycled to the maximum extent and remaining shall be used on land for gardening. There shall not be any discharge outside the factory premises.

(v) The unit shall at his own cost get the effluent samples collected both before and after treatment and analysed, every month the parameters indicated above from a laboratory recognized by Ministry of Environment and Forest under the Environment Protection Act, 1986 and rules there under and results shall be submitted regularly to this Board, by 15th of the succeeding month. .

(vi) **Domestic Effluent treatment and Disposal:-**

The domestic wastewater shall be treated in a properly designed septic tank and discharged on land for percolation through soak pit of adequate size within the factory premises.

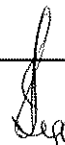
(vii) **The unit should empty septic tank and soak pit periodically through night soil tankers for safe disposal and submit the copies of the receipts to the Board on regular basis.**

(viii) A good house-keeping shall be maintained within the factory premises. All pipes, valves and drains shall be maintained in leak-proof condition. Floor washings shall be maintained to the effluent collection system only and shall not be allowed to find way in open areas.

(ix) **Non-Hazardous Solid Waste:**

All the Solid wastes arising in the premises shall be properly classified and disposed off to the satisfaction of the Board by:

- Landfill, incase of inert materials, care should be taken to ensure that the material does not give rise to leachate which may percolate into ground water or carried away with storm run-off.
- Controlled incineration wherever possible in case of combustible organic matter.
- Composting in case of bio degradable material
- As per the Authorization issued by this Board in case of Hazardous waste.


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Scientist 'C'

For Goa State Pollution Control Board

- (x) The unit shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977, as amended (to be referred as Cess Act) and the Rules there under.

The daily water consumption for the following categories shall not exceed, as under:

Domestic	2.0KLD
Industrial cooling	15.0 KLD
Others	1.2 KLD

The unit shall submit Water Consumption statement annually by 30th April online in the prescribed format and pay the Cess as specified under Section 3 of the Cess Act.

- (xi) The unit should implement rain water harvesting and ground water re-charge measures in consultation and approval of the Water Resource Department, Govt. of Goa and Directorate of Industries, Trade and Commerce, Govt. of Goa.
- (xii) **The unit should have zero discharge policy. ie, the treated waste water may be re-used in process/green belt development /or any other use as deemed fit by the unit with due permission from the Board**

4. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE AIR ACT:

- (i) The unit shall maintain and operate air pollution control system of adequate capacity for the following equipments

Sr. No.	Name of Equipments/ Installation	No of Installation	Capacity	SO ₂ Kg/Hr	Particulate Matter mg/Nm ³
1.	Furnace	1	1 lakh Kcal/hr	0.36	150
2.	Boiler	1	10 lakh Kcal/hr	7.92	150

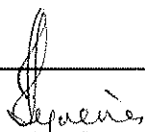
- (ii) The unit shall erect the chimney(s) of the following specifications:

Sr. No	Chimney attached to	Height
1.	Furnace	20 meters
2.	Boiler	20 meters

- (iii) The unit shall observe the following standards:-

Sr. No	Type of fuel	Quantity /hr
1.	Furnace oil(for Furnace)	5 liters/hr.
2.	Furnace oil (for Boiler)	110 liters/hr.

- (iv) The unit should carry out emission monitoring from the stacks once in 3 months from a laboratory recognized by Ministry of Environment and Forest under the Environment Protection Act, 1986 and the result shall be submitted to this Board by the 15th of the subsequent month .
- (v) **The Stack Port Hole and Platform is to be designed as per CPCB guidelines Method 1 Part 1 of Stack Monitoring – Material & methodology for isokinetic sampling**
- (vi) The unit should comply with all the standards for D.G. Sets prescribed at Sr. no. 94, 95 and 96 of Schedule I of the Environment (Protection) Rules, 1986.


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- (vii) The unit should carry out emission monitoring from the stacks every month from a laboratory recognized by Ministry of Environment and Forest under the Environment Protection Act, 1986 and the result shall be submitted to this Board.
- (viii) The unit shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise. The limits are as follows

Category of Area/ Zone	Limits in dB (A) Leq	
	Day time	Night time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

Day time is reckoned between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.

- (ix) Adequate mitigation measures shall be taken to control emissions of SO₂, NO_x, PM_{2.5}, RSPM. Applicant shall achieve following Ambient Air Quality standards:

SO ₂	Not to Exceed (Annual Average)	50 µg/ m ³
	Not to Exceed (24 hours)	80 µg/ m ³
NO _x	Not to Exceed (Annual Average)	40 µg/ m ³
	Not to Exceed (24 hours)	80 µg/ m ³
PM ₁₀	Not to Exceed (Annual Average)	60 µg/ m ³
	Not to Exceed (24 hours)	100 µg/ m ³
PM _{2.5}	Not to Exceed (Annual Average)	40 µg/ m ³
	Not to Exceed (24 hours)	60 µg/ m ³

All other parameters should meet the standards specified in NAAQS notification dated 16th November 2009 for the relevant industry

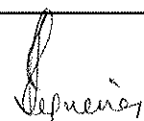
- (x) **The Unit shall carry out Ambient Air Quality Monitoring once every month from a laboratory recognized by MOEF under the Environment Protection Act., 1986 and the report should be submitted to the Board by the 15th of the subsequent months**

5. CONDITIONS REQUIRED TO BE COMPLIED UNDER THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES 2016:

- (i) The unit is hereby granted authorization to operate a facility for collection, storage and disposal of hazardous wastes as specified below:

Sr. No.	Category	Type of waste	Quantity	Mode of disposal
1.	4.1	Oily sludge from recycling waste oil	0.35 MT /month	To be sent to M/s Mumbai Waste Management Ltd. at Talaja for incineration

- (ii) The authorizer shall comply with the provisions of the Environment (Protection) Act, 1986 and the rule made thereunder.


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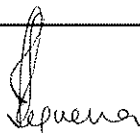
- (iii) The person authorized shall not rent, lend, sell or transfer or otherwise transport the hazardous waste without obtaining prior permission of the Goa State pollution Control Board.
- (iv) Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
- (v) It is a duty of the authorized person to take permission of the Goa State Pollution Control Board to close down the facility.
- (vi) The inner bottom surfaces of the tank shall be impervious enough to prevent leakage or seepage of these wastes into the sub surface soil or ground water.
- (vii) The occupier shall maintain a manifest system as per Rule 19 for disposal of hazardous wastes to ensure that these wastes are delivered to the designated facility preventing pilferage and clandestine disposal due to unforeseen events that may occur during transit.
- (viii) The manifest shall be endorsed by the dispatcher, transporter and receiver of hazardous wastes. The endorsed copy shall be furnished to the Goa State Pollution Control Board.
- (ix) Under no circumstances the hazardous waste shall be disposed to unauthorized facilities.
- (x) The occupier shall maintain the records for collection, storage and disposal of hazardous waste in Form 3 of as per Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016.
- (xi) The occupier shall furnish monthly returns for collection, storage and disposal of hazardous waste through online XGN system.
- (xii) The unit shall put up an online board (minimum size 6x4 Feet) at prominent location near the main gate providing details as follows in English and Konkani languages:-
- Hazardous Waste category number.
 - Hazardous Waste quantity number.
 - Treatment facility for each category.
 - Mode of disposal for each category.
 - Hazardous Waste Authorization number, date and validity period.
 - Water Consent number, date and validity period.
 - Air Consent number, date and validity period.
 - Quantity and Nature of Hazardous Chemicals being used.
- (xiii) The occupier shall ensure that the Hazardous Wastes are not allowed to be stored for more than 90 days.
- (xiv) An Authentic MSDS (Material Safety Data Sheet) is to be provided for the products manufactured, byproducts & waste generated, duly signed & stamped by an authorized representative of the unit.**


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6. GENERAL CONDITIONS:

- (i) The unit shall not change or alter the quantity, quality of discharge, temperature or the mode of the effluent/ emission or hazardous wastes or control equipments provided for without previous permission of the Board.
- (ii) The unit shall provide facility for collection of samples of effluent, air emissions and hazardous wastes to the Board staff.
- (iii) An application in prescribed form along with the prescribed fees for renewal of Consent shall be submitted at least 60 days before the expiry of validity of this Consent. An application for renewal of Consent submitted after expiry of the validity shall accompany with penalty of 50% of the Consent fees in addition to the prescribed consent fees.
- (iv) The Board shall be forthwith informed of any accident or unforeseen event involving discharge of any poisonous, noxious or polluting matter into a stream or well or on land or into the atmosphere, as result of such discharge water/ air is being polluted.
- (v) This Consent to Operate is granted without any prejudice to any of the permission(s) required under any law, by laws and regulations in force. The Consent to Operate is confined to matters arising out of the Air Act and Water Act, and the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 only
- (vi) The Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the applicant.
- (vii) The unit shall submit to this office, the Environmental Statement Report in Form V for the Financial Year ending April to March by 30th September of the succeeding year as per the provisions of the rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- (viii) Reliable flow meter shall be installed to maintain record of water consumption/waste water generation per day. The records so maintained shall be made available to the Board officials whenever required.
- (ix) The industry shall bear the cost of analysis / monitoring in case of complaints received by the Board/ reinspections due to non compliances observed by the Board & monitoring carried by the Board.
- (x) The unit shall submit the details of the Public Liability Insurance Policy under the P.L.I Act 1991, to the Board office as applicable.
- (xi) The unit shall submit returns for disposal of batteries under the Batteries (Management & Handling) Rules 2011, if applicable.


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(xiii) The unit shall submit returns for disposal of e - waste under the E- Waste (Management) Rules 2016, if applicable.


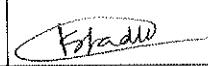
(xiv) The unit shall submit returns for disposal of plastic waste under the Plastic Waste (Management) Rules 2016, if applicable.

To,
M/s. CANACONA HYDROCARBONS
Plot no. 87 & 89,
Canacona Industrial Estate,
Canacona-Goa.

Copy to:-
1 Accounts Section
2 Concerned File
3 Guard File

Received Consent fee of: **The capital Investment of the unit is Rs. 120.00lakhs**

Challan no.	Amount	Date
1285	Rs.44,000/- Air & water consent fees	07/09/2016

Typed by	Verified by
	


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