

EOL/CBM-RG (E)/WBPCB/2017/3348

Date 13th June 2017

To,
Senior Environmental Engineer
West Bengal Pollution Control Board,
Barrackpore (Kankinara) Regional Office
Panpur More, Kalyani Express Way
P. O. - Narayanpur

Essar Oil Limited
Exploration & Production Division
Village/ PO Gopalpur
Near Rajendra Nath Polytechnic College
Gopalpur Sarenga Road
PS Kanksha
Durgapur-713 212
Dist. Burdwan.
West Bengal
India

Corporate Identity Number :
U11100GJ1989PLC032116

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Sub: Submission of Form V: Environmental Statement (FY 2016-17)

Dear Sir,

Please find enclosed herewith the Environmental Statement for (FY 2016-17) of Raniganj East CBM Block- RG (E)-CBM-2001/1 Raniganj West Bengal of Essar Oil Limited, Durgapur.

Thanking you

Yours faithfully,
For Essar Oil Limited (E&P Division)


13/06/2017

Pramod Gupta
Vice President & Head- Operations

Enclosures: Form V: Environmental Statement of FY 2016-17

Copy to:

1. Environmental Engineer, Durgapur Regional office.
2. Director , Eastern Regional Office, MOEF&CC, Bhubaneswar

PART- C**Pollution discharged to environment/unit of output**

(Parameter as specified in the consent issued)

Sr. No.	Parameter	Pollutants Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
A	Water	Nil	Nil	-
B	Air	Nil	Nil	-

PART- D**HAZARDOUS WASTES**

(as specified under Hazardous Wastes (Management & Handling Rules, 1989).

Sr. No	Area	Hazardous Wastes	Total Quantity (Kg)	
			During the previous financial year (2015-2016)	During the current financial year (2016-2017)
1	From Process	1. Waste Oil/used oil 2. Oil contaminated Waste	18400 litres 2.970 MT	9870 litres 4.47 MT
2	From Pollution Control Facilities	Nil	Nil	Nil

PART - E**SOLID WASTES:**

Sr. No	Area	Solid Wastes	Total Quantity (Kg)	
			During the previous financial year	During the current financial year
A	From Process	Waste Mud & Drill Cutting during drilling	6150 MT	7650 MT
B	From Pollution Control Facilities		-	-
C	1. Quantity recycled or re-utilized within the unit. 2. Solid 3. Disposed		-	-

PART - F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Sr. No.	Types of Waste	Quantity	Mode of Disposal
1	Hazardous Waste- Waste/used Oil	9870 Litres	Sold to authorized recycler. Address of recycler: N K Company, J R Industrial Estate Vill- Banagram, Haran Molla Rd. PO- Rasapunja, PS Bishnupur
2	Oil contaminated waste	4.47 MT	Sent to TSDF, Haldia Address: West Bengal Waste Management Limited, J.I.no-103, Mouza-Purba Srikrishnapur, P.O & P.S.-Sutahata, PIN-721635, Haldia, Dist-Purba Midnapur
3	Solid Waste-Waste Mud & Drill Cutting	7650 MT	Drill cuttings have been disposed in HDPE lined pit after carrying out chemical analysis.

PART- G

Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.

1. Reuse of treated produced water in drilling, hydro fracturing & dust suppression.
2. Conversion of Diesel Generator sets to Gas based Generator Sets once production is started at well sites. Total 84 nos (02 nos 40 KVA, 17 no 50 KVA, 63 nos 125 KVA, and one 2 no 180 KVA) of Gas based Generator set is operation.
3. Installation RO (5100 KLD) for the treatment of Produced water generated from CBM wells

PART - H

Additional measures/investment proposal for environmental protection including abatement of pollution.

1. Regular environmental monitoring through CPCB/NABL approved laboratory for Ambient Air and Noise Quality monitoring and DG set Stack emission monitoring, sampling and Analysis of Produced water, Ground water, Drill cuttings. The analysis and monitoring report was submitted with half yearly Environmental Clearance compliance report.
2. Three colour Bin waste Management System is developed at all the major site to segregate the waste generated at source.

3. Around 1000 sapling planted at different site in the last financial year.

PART - I

MISCELLANEOUS:

1. CSR activity:

Health

The OPD service with a team comprising 1 doctor, 1 nurse and 1 lab technician. Community awareness program on prevention of anaemia, AIDS, hygiene, nutrition, dehydration, menstrual hygiene, hand washing, family planning. School health check-up camp at free primary schools. School awareness program on issues related to adolescents girls and boys at secondary & higher secondary schools. Capacity building training program of the Govt.'s health workers (ASHA, AWS). Training programme was organized through ASHA, AWS workers were trained. Life skill training program held at high schools. Special day/week celebration with various participatory activities. World Population Day, National Nutrition Week, AIDS Day, Diabetes Day, Women's Day and Breast Feeding Week, have been observed. Haemoglobin/anaemia test camps in villages.

Education

Pratappur Anchalik (Regional) Annual Free Primary School Sports Meet Laodoha Circle-level Annual Free Primary School Sports Meet. Durgapur Sub-Division (inter Junior High Schools) & Burdwan District Athletic Meet -2016. Sub Divisional Level Primary School Sports Meet, Kanksa.

Livelihood

'Sufalam'

System of rice intensification (SRI) & System of wheat intensification (SWI). Vermicomposting entrepreneurship development. Formation & formalisation by bank account opening of Self Help Group (SHG) & Farmer Interest Group (FIG). Orchard management

Sports & Cultural Activities

Sports

Sport and cultural activities have been perceived to have immense impact on the youth of the society. Increasing engagement in such activities helps in channelizing their energy towards positivity. Thus, we protect and promote sports & culture within our catchment area by supporting tournaments, annual sports' meets and related events organised by the administration and local youth clubs. Supported 29 nos. of sports tournament (Cricket, Football, Kabaddi and sports kit distribution).

Cultural activities

Support to block student - youth cultural festival at Loudoha Block Cultural event organized by Surya Sen Smriti Pathagar of Jamgora village under Loudoha Block 'Hool Utsav' an event of the tribal community at Bonkathi & Kuldiha villages of Kanksa Block

Community Infrastructure and Development

Supply of drinking water by tanker to address the acute shortage of drinking water during the summer season in selected villages under Loudoha block. Street lights installed at Rakhitpur village. Construction of gallery with recreation room at Sarpi football ground under Loudoha block. Construction of community toilets at Kanksa and Loudoha block as the Company's contribution to Mission Nirmal Bangla