

राजस्थान परियोजना,
ऑयल हाऊस, 2-ए, डिस्ट्रीक्ट शॉपिंग सेन्टर,
सरस्वती नगर, बासनी,
जोधपुर-342 005, राजस्थान, भारत
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फैक्स : 0291-2727050
वेबसाइट : www.oil-india.com
सी एस टी सं. : 08AAACO2352C1ZX
सी.आई.एन. : L11101AS1959GO1001148



Rajasthan Project
OIL HOUSE, 2-A, Dist. Shopping Centre,
Saraswati Nagar, Basni,
Jodhpur - 342 005, Rajasthan, India
Telephone : 0291-2729417
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Website : www.oil-india.com
GST No. : 08AAACO2352C1ZX
CIN : L11101AS1959GO1001148

R/S&E/E-2/72/18

28.09.2018

To,

The Member Secretary
Rajasthan State Pollution Control Board,
4, Institutional Area, Jhalana Doongari
Jaipur-302004

Subject: Environment Statement for the financial year 2017-18

Sir,

Please find enclosed herewith the Environment Statements of Drilling & Production Mine, of Rajasthan Project of Oil India Limited for the financial year ending 31.03.2018 for your kind information and perusal.

Enclosed: Environment Statement-2017-18 (Form V)

Yours faithfully,
OIL INDIA LIMITED

(G. Goel)
Chief Engineer (FS)
For Executive Director (RP)

CC: The Regional Officer
RSPCB, SPL-2, MIA, Phase-1
Basni, Jodhpur

[FORM – V]
(See rule 14)

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

PART – A

- (i) Name and address of the owner/occupier of the industry operation or process.
Mr. B.KDas, General Manager (Drilling)-Rajasthan Project, Oil India Ltd.
2-A District Shopping Centre, Saraswati Nagar, Basni, Jodhpur, Rajasthan-342005
- (ii) Industry category Primary ---- (STC code) RED
Secondary. ----- (STC Code) **Oil and Gas Exploration**
- (iii) Production capacity:
Chartered Hired Rig: John#29 (Diesel mechanical Rig, HP rating: 1000 HP)
- (iv) Year of establishment:01.11.2017 (Date of commissioning of Rig: John#29 in Dandewala Field:
Prior to this drilling activities were carried out by another Chartered Hired Rig: John-12 in
Dandewala and Baghewala Field)
- (v) Date of the last environmental statement submitted: **28.09.2017**

PART – B

Water and River Material Consumption

- (i) Water consumption m³/d:
Process: - **22.96** m³/day
Cooling: - NIL
Domestic: -**11** m³/day

Name of Products	Process water consumption per unit of product output.	
	During the previous financial Year	During the Current financial Year
1	2	3
Drilling* (m ³ /M)	3.42	1.5

*m³/METRE DRILLED

b) Air	Ambient air quality data is being regularly measured by M/s. Arihant Analytical Laboratory (MoEF & CC recognised & NABL accredited laboratory)	PM _{2.5} : 48.15 µg/m ³ PM ₁₀ : 86.32 µg/m ³ SO ₂ : 10.15 µg/m ³ NO ₂ : 20.82 µg/m ³ CO: 1.0 mg/m ³ VOC: 0.74 µg/m ³ PM: 0.15 g/kw-hr CO: 1.60 g/kw-hr NO _x +HC:3.05 g/kw-hr	No deviation from prescribed standards.
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PART – D

Hazardous Wastes

(As specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Wastes	Total Quantity (Kg.)	
	During the previous financial year	During the current financial year
a) From process	2.8 KL (Burnt Oil)	1.07 KL(Burnt Oil)
b) From pollution control facilities.	NIL	NIL

PART – E

Solid Wastes

Solid Wastes	Total Quantity (Kg.)	
	During the previous financial year	During the current financial year
(a) From process	385.45 MT Drilled cuttings (non-hazardous)	170 MT Drilled cuttings (non-hazardous)
(b) Form pollution control facility	-	-
(c) (1) Quantity recycled or re-utilized within the unit	-	-
(2) Sold	-	-
(3) Disposed see Part H, and Part F	-	-

(ii) Raw Material Consumption

Name of raw materials	Name of products	Name of raw material	Consumption of raw material per Unit of output	
			During the previous financial year	During the current financial year
Chartered Hired Rig (John :29)	Drilling of exploratory wells for oil and gas (Output is Meter drilled during the FY)	HSD(KL/M)	0.11	0.15
		Oil Well	0.06	0.18
		Cement (MT/M)		
		Bentonite (MT/M)	0.0106	0.061
		Barite (MT/M)	0.0372	0.026
		Common Salt (MT/M)	0.0036	0.0795
		EP Lubricant (KL/M)	0.0005	NIL
		Drilling Detergent (KL/M)	0	0.00028
		Micronized Calcium Carbonate (MT)	0	0.00934

Polluting Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART – C

Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume) Unit in ppm	Percentage of variation from prescribed standards with reasons
a) Water	Water generated during washing, cleaning and dewatering of mud is collected in the effluent pit.	Water collected in the effluent pit is solar evaporated.	No deviation from prescribed standards.

PART – F

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

Burnt Oil	Material sold to registered recyclers M/s Jyoti Petrochem Industries, F-663, 4 th Phase, RIICO, Boranada, Jodhpur (RAJ)
Used batteries	Sent to suppliers as per corporate buy back policy
Drilled Cuttings	Drill cuttings (DC) originating are separated from Water base mud (WBM) and properly washed and disposed off in a well-designed pit lined with 0.5mm HDP liner located on-site. Drill cuttings were non-hazardous in nature due to use of water based mud and eco-friendly chemicals.
Sewage Disposal	Sewage Disposed in septic tanks.

PART – G

In respect of the pollution abatement measures taken up on conservation of natural resources and on the cost of production.

- a. Plantation of trees around the installation

PART – H

Additional measures/investment proposal for environmental protection including Abatement of pollution, prevention of pollution.

- a. Laying of 'HDPE Liner' at waste water pit for preventing contamination of ground water.
- b. Provisioning of oil trap in effluent pit for retaining oily materials, if any.
- c. Concrete lining of area for accommodating drill cuttings, after washing and subsequently covering them with top 'soil'.
- d. Measurement of Ambient air quality and noise levels at well site and nearby villages.
- e. Drilling Fluid & drill Cuttings testing through M/s. Arihant Analytical Laboratory (MoEF & CC recognised & NABL accredited laboratory)
- f. Garland drain at the drill site location for water conservation and proper treatment of waste water.

PART – I

Any other particulars for improving the quality of the environment.

Environment Management Plans.

- Usage of engine power as per load requirement.
- Use of only acoustic gen sets at well site.
- Collection of safe disposal of burnt oil from engines.

- Complete arrest of leakage through gland packing of pumps, valves, pipe joints etc. So as to prevent run way of excess water to pit.
- Minimum usage of water on derrick floor for washing purpose by use of wiper rubber plug while tripping tubular so as to minimize accumulation of water in effluent pit.

Yours Faithfully



(B.K.Das)

General Manager-Drilling

28/9/2011

Mines Manager
Drilling Mine (RP)
Drilling Mine
वेधन खान
Oil India Limited, Jodhpur
ऑयल इण्डिया लिमिटेड, जोधपुर
Rajasthan Project
राजस्थान परियोजना

FORM-V
See Rule (14)

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

PART-A

(i) Name and address of the owner/occupier of the industry operation or process:

Shri M N Talukdar, Chief General Manager (P)- Rajasthan Project, Oil India Ltd. 2-A,
District Shopping Centre, Saraswati Nagar, Basni, Jodhpur, Rajasthan - 342005.

(ii) Industry category:

Primary - (STC Code) **RED**
Secondary - (STC Code) **Gas Production**

(iii) Production capacity: **0.94 Unit- MMSCUMD (Million metric standard cubic meter per day)**

(iv) Year of establishment: **Dandewala GPC-1996 (Production Installation- Gas)**

Date of the last environmental statement submitted: - --- **28.09.2017**

PART-B

Water and Raw Material Consumption

(i) **Water consumption m³/d**

Process - NIL
Cooling - NIL
Domestic - 08 m³/day

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
1	2	3
Natural Gas	nil	nil

(ii) Raw material consumption

Name of Raw Material*	Name of products	Consumption of raw material per unit of output(Per meter)	
		During the previous financial year (16-17)	During the current financial year (17-18)
Not applicable	Natural Gas (Hydrocarbon)	Nil	Nil

*Polluting Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw material used.

PART-C

Pollution discharged to environment/unit of output
(Parameters Specified if the consent issued)

Pollutants	Quantity of pollutants discharged (mass/day)	Concentration of pollutants discharged (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Nil	NA	NA
(b) Air	Not significant	<ol style="list-style-type: none"> 1. Particulate matter, PM_{2.5}=36.11 μm^3 2. Particulate Matter, PM₁₀=68.15 μm^3 3. SO₂=7.56 μm^3 4. NO₂=12.11 μm^3 5. CO=1.0 μm^3 6. Hydrocarbon as Methane=1.25 μm^3 7. Hydrocarbon as Non Methane=0.60 μm^3 8. VOC=1.12 μm^3 	All the tested parameters meet the requirement of National Ambient Air Quality Standard as per CPCB

PART-D
HAZARDOUS WASTES

(As specified under Hazardous Wastes / Management and handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous financial year	During the current financial Year
(a) From process		
(i) Burnt oil	194 liter	194 liter
(ii) Formation Water	35253.20 KL	30084 KL
(b) From pollution control facilities	NIL	NIL

PART-E
SOLID WASTE

Solid Waste	Total Quantity	
	During the previous financial year	During the current financial year
(a) From Process	N.A.	N.A.
(b) From pollution control facility	N.A.	N.A.
(c) Quantity recycled or re-utilized within the unit.	N.A.	N.A.

PART-F

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

Burnt oil	Material sold to registered recyclers M/s. Jyoti Petrochem Industries, F-663, 4 th Phase, RIICO, Bornada, Jodhpur (RAJ)
Used batteries	Sent to suppliers as per corporate buy back policy
Formation Water	The Formation water is being disposed in Formation water disposal (FWDW) well at depth of 1000m from surface.

PART-G

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

- a. Plantation of trees in and around the installation.

PART- H

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

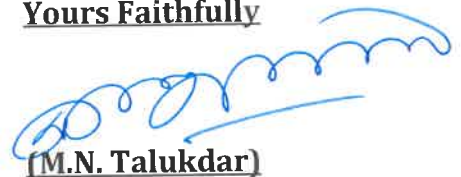
- a. Replacement of old DG sets with new high efficiency acoustic type DG Sets.
- b. Plantation of trees

PART- I

Any other particulars in respect of environmental protection and abatement of pollution.

- a. Plantation of trees in and around the installation.
- b. Flaring of natural gas to bare minimum.
- c. Periodic AAQMS, Stack monitoring and noise survey as per plans.

Yours Faithfully



(M.N. Talukdar)

Chief General Manager(Production)

Date: 28/09/2018

**MINES MANAGER (P)
OIL INDIA LIMITED**