



Essar Oil and Gas Exploration and Production Ltd  
Essar House - Durgapur  
Village & Post Office – Molandighi  
Block - Kanksa  
Durgapur Sub-Division  
Dist. - Paschim Bardhaman  
Durgapur – 713212  
West Bengal  
India

CIN: U11203GJ2016PLC091903

E.eogepl@essarenp.co.in  
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EOGEPL/CBM- RG (E)/ HSE/ 2023/5099

**29<sup>th</sup> September 2023**

The Environmental Engineer and In-Charge  
Durgapur Regional Office  
West Bengal Pollution Control Board  
Sahid Khudiram Sarani, City Centre  
Durgapur, Paschim Bardhaman 713216



Sub: **Submission of Environmental Statement (as Form V) for the Financial Year 2022-23.**

Dear Sir,

With due respect, please find attached herewith the Environmental Statement (as **Form V**) for the FY 2022-23 of Raniganj CBM Block- RG (East)- CBM-2001/1, Durgapur, West Bengal operated by Essar Oil and Gas Exploration and Production Limited.

Kindly acknowledge and oblige.

Thanking you,

For Essar Oil and Gas Exploration and Production Limited

Vikram Goday  
Vice President & Head- Facilities  
Raniganj East, CBM Project-Durgapur



Enclosed: i) Environmental Statement (Form V), FY 2022-23.  
ii) Annexure- I, II, III, IV, V, VI, VII & VIII

Cc:

The Regional Director, Integrated Regional Office, MOEF&CC, IB -198, Sector III, Salt Lake City, Kolkata- 700106

**FORM-V**  
(See rule 14)

**Environmental Statement for the Financial Year ending with 31<sup>st</sup> March 2023**

**PART- A**

- i. **Name and address of the owner/occupier of the industry operation or process.**  
*Mr. Pankaj Kalra – Mines Owner, Raniganj East CBM Project-Durgapur*  
*Essar Oil and Gas Exploration and Production Limited,*  
*3<sup>rd</sup> Floor, Essar House, 11 K. K. Marg, Mahalaxmi, Mumbai-400034, Maharashtra*
- ii. **Industry category Primary (STC Code),**  
**Secondary (SIC Code)** : *Oil & Gas Extraction including CBM*  
*(On-shore extraction through drilling wells)*
- iii. **Production Capacity** : *52,200,000 m<sup>3</sup>/month*
- iv. **Year of establishment** : *Established in the Financial Year 2008-09.*
- v. **Date of the last Environmental Statement**  
**Submitted** : *28-09-2022*

**PART - B**

**Water and Raw Material Consumption**

**i. Water Consumption in m<sup>3</sup>/d**

Process: *Nil*

Cooling: *Not applicable*

Domestic: *14.85 m<sup>3</sup> per day*

| Sr. No. | Name of Products | Process water consumption per unit of product output. |                                   |
|---------|------------------|-------------------------------------------------------|-----------------------------------|
|         |                  | During the previous financial year                    | During the current financial year |
| 1       | Coal Bed Methane | Nil                                                   | Nil                               |

**ii. Raw Material Consumption**

| Sr. No. | Name of raw materials* | Name of Products                | Consumption of raw material per unit of Output    |                                                  |
|---------|------------------------|---------------------------------|---------------------------------------------------|--------------------------------------------------|
|         |                        |                                 | During the previous financial year (FY 2021-2022) | During the current financial year (FY 2022-2023) |
| 1       | Bentonite Powder       | Water Based Mud (Non-hazardous) | 36 MT                                             | 1677 MT                                          |
|         | Polymer                |                                 |                                                   |                                                  |
|         | PGS (Pre Gel Starch)   |                                 |                                                   |                                                  |
|         | Caustic Soda           |                                 |                                                   |                                                  |
|         | Mud Lube               |                                 |                                                   |                                                  |



*Signature*



|   |                                 |   |          |           |
|---|---------------------------------|---|----------|-----------|
|   | LCM (Loss Circulation Material) |   |          |           |
|   | Coal Stabilizers                |   |          |           |
|   | Fly ash                         |   |          |           |
|   | Cement                          |   |          |           |
| 2 | HSD (as fuel)                   | - | 26.44 MT | 359.67 MT |

# MT denotes Metric Ton

\* 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)

| 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     | TSS                     | TSS- 1.53 kg/day                             | Parameter                                                                          | MCS | GG#1   | Gopalpur Warehouse | No positive variation identified. All parameters are within the specified limit. (Annexure I)  |
|         |           | BOD                     | BOD- 0.82 kg/day                             | TSS (mg/l)                                                                         | 63  | 23     | 57                 |                                                                                                |
|         |           | COD                     | COD- 3.64 kg/day                             | BOD (mg/l)                                                                         | 26  | 26     | 25                 |                                                                                                |
|         |           | Oil & Grease            | Oil & Grease- 0.19 kg/day                    | COD (mg/l)                                                                         | 108 | 124    | 108                |                                                                                                |
|         |           |                         |                                              | Oil & Grease (mg/l)                                                                | 6   | 6.5    | <5                 |                                                                                                |
| B       | Air       | Total NOx + NMHC        | Total NOx + NMHC – 476.04 g/kw-day.          | One sample stack report provided. Stack No.-39, GGS- 01, Capacity- 180 KVA DG Set. |     |        |                    | No positive variation identified. All parameters are within the specified limit. (Annexure II) |
|         |           | Carbon Monoxide (CO)    | Carbon Monoxide (CO) – 408.30 g/kw-day.      | Total Conc. Nox + NMHC , (g/Kw-hr)                                                 |     | 0.1608 |                    |                                                                                                |
|         |           | Particulate Matter (PM) | Particulate Matter (PM)- 108.41 g/kw-day     | Concentration of Carbon Monoxide (CO), (g/Kw-hr)                                   |     | 0.13   |                    |                                                                                                |
|         |           |                         |                                              | Concentration of Particulate Matter (PM), (g/Kw-hr)                                |     | 0.08   |                    |                                                                                                |



*Signature*



## **PART - D**

### **Hazardous Wastes:**

(As specified under Hazardous & Other Waste (Management & Transboundary Movement) Rules, 2016).

| Sr. No | Area                                          | Hazardous Wastes                 | Total Quantity: Metric Ton (MT)                |                                               |
|--------|-----------------------------------------------|----------------------------------|------------------------------------------------|-----------------------------------------------|
|        |                                               |                                  | During the previous financial year (2021-2022) | During the current financial year (2022-2023) |
| 1      | From Process                                  | Used Oil                         | 13.86 MT                                       | 20.772 MT                                     |
|        |                                               | Oil contaminated Waste           | 3.45 MT                                        | 7.16 MT                                       |
|        |                                               | Spent Oil Filter Medium          | 3.485 MT                                       | 1.565 MT                                      |
|        |                                               | Used small battery               | 0.46 MT                                        | -                                             |
|        |                                               | Spent Silica Gel                 | 0.665 MT                                       | 1.945 MT                                      |
| 2      | From Pollution Control Facilities ( RO Plant) | Spent RO Membrane Filter Medium. | 2.955 MT                                       | 0.95 MT                                       |

# MT denotes Metric Ton

## **PART - E**

### **Solid Wastes:**

| Sr. No | Area                                              | Solid Wastes                   | Total Quantity: Metric Ton (MT)                |                                               |
|--------|---------------------------------------------------|--------------------------------|------------------------------------------------|-----------------------------------------------|
|        |                                                   |                                | During the previous Financial Year (2021 – 22) | During the current Financial Year (2022 – 23) |
| A      | From Process                                      | Drill Cuttings (non-hazardous) | Nil (No Drilling Operation)                    | 462 MT                                        |
| B      | From Pollution Control Facilities.                | Solid Waste (non-hazardous)    | 1 MT                                           | 440 MT                                        |
| C      | Quantity recycled or re-utilized within the unit. |                                | 1 MT                                           | 902 MT                                        |
|        | Sold (recyclable and reusable)                    |                                | 17.4 MT                                        | 33.44 MT                                      |
|        | Disposed                                          |                                | 17.6 MT                                        | 30.45 MT                                      |

# MT denotes Metric Ton

## **PART - F**

Please specify the characteristics (in terms of concentration of 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                                                                                                                                                                                |
|--------------------------|----------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Hazardous Wastes:</b> |                |           |                                                                                                                                                                                                 |
| 1                        | Used Oil       | 20.772 MT | Sold to below authorized re-processor/co-processor through Manifest as Form 10.<br><b>Address:</b><br>1. M/s Inspec Oils Ltd.<br>A/122, Phase-III, Block-A, Kalyani, Nodia.<br>2. M/s Texus Lub |





|                      |                                                   |          |                                                                                                                                                                                                                    |
|----------------------|---------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      |                                                   |          | Delhi Road, Bamunari, Rishra<br>P.O.- Mollaber, P.S.- Dankuni, Dist.- Hoogly<br>Pin.- 712250<br>(Annexure III)                                                                                                     |
| 2                    | Oil contaminated waste                            | 7.16 MT  | Disposed through below authorized CHWTSDf,<br>Saltora, Bankura, through Manifest as Form 10.<br><br><b>Address:</b><br>M/s West Bengal Waste Management Limited,<br>Saltora, Bankura, Pin-722158.<br>(Annexure IV) |
|                      | Spent Oil Filter Medium                           | 1.565 MT |                                                                                                                                                                                                                    |
|                      | Spent R.O. Membrane<br>Filter Medium              | 0.95 MT  |                                                                                                                                                                                                                    |
|                      | Spent Silica Gel                                  | 1.945 MT |                                                                                                                                                                                                                    |
| <b>Solid Wastes:</b> |                                                   |          |                                                                                                                                                                                                                    |
| 1                    | Drill cutting and drilled<br>mud (non-hazardous). | 1166 MT  | Reutilized within the unit for well pad development.                                                                                                                                                               |
| 2                    | Recyclable waste                                  | 33.44 MT | Sold for recycling. (Annexure V)                                                                                                                                                                                   |
| 3                    | Biodegradable waste                               | 30.45 MT | Disposed through the municipal dumping yard.<br>(Annexure V)                                                                                                                                                       |

# MT denotes Metric Ton

#### **PART- G**

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

1. Produced water is reused in drilling and other activities, there are no use of fresh water.
2. Gas based Generator Set is used at well sites and surface facilities, where electricity is generated by the combustion of CBM (free from Sulfur) having comparatively lesser pollution load than HSD and coal.
3. The total volume of produced gas is evacuated through National Gas Grid "Urja Ganga Pipeline". Accordingly, EOGEP is approaching to "Zero Flaring". By the Financial Year 2022-23, EOGEP achieved only 0.07% flaring.
4. The entire produced water is treated through RO Plant (Cap. - 6900 KLD) and after treatment, the treated water is satisfying the specified discharge limit. Whereas, the treated water is primarily used in the project activities (drilling, work over & hydro-fracturing) and excess water is discharge to Kunur Nala. The RO Plant water analysis report enclosed as (Annexure- VI).



## PART – H

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

1. In the last financial year (FY 2022-23), EOGEPPL spent the amount of Rs. 64, 01, 535. 00 as CAPEX and Rs. 2, 57, 95, 309. 00 as OPEX for the RO plant operation and maintenance. **Annexure VII**
2. Regular environment monitoring is conducted through NABL & MoEF&CC approved laboratory for the monitoring of ambient air, noise level, GG/DG set stack emission, produced water, RO water, surface water, ground water quality and ground water level. The expenditure incurred for the FY 2022-23 is Rs. 11, 58, 993. 00. **Annexure VII**
3. Waste is segregated at source through different colors bins (RED, BLUE & GREEN) and YELLOW bag. The color RED for hazardous waste, BLUE for dry recyclable waste, GREEN for disposable waste and YELLOW for bio-medical waste.
  - i) Hazardous waste is disposed through authorized CHWTSDF, where Used Oil is recycled through authorized re-processor/co-processor.
  - ii) Recyclable solid wastes are sold for recycling.
  - iii) Disposable solid wastes are disposed through the municipal dumping yard.
  - iv) Bio-medical waste is disposed through the authorized agency M/s Medicare Environmental Management Pvt. Ltd.

The expenditure towards the waste management for the FY 2022-23 is Rs. 16, 81, 024. 00. **Annexure VII**

4. Toxicology analysis is conducted for drill cuttings through NABL accredited laboratory, where it is observed that all the analyzed parameters are lower than the permissible limit. The expenditure incurred for the FY 2022-23 is Rs. 1, 22, 988. 00. **Annexure VII**
5. Green belt development & maintenance is a tradition of EOGEPPL, where we added around 500 more native species of saplings by the FY 2022-23, those are already grown up. The expenditure incurred is Rs. 4, 89, 649. 00. **Annexure VII**
6. By the FY 2022-23, around 0.75 MT E-waste (code- ITEW2) has been sold to the authorized recycler/dismantler M/s Hulladek Recycling Pvt. Ltd. **Annexure VIII**

## PART - I

### Any Other Particulars for improving the Quality of the Environment

EOGEPL, always endeavor for socio-economic development by adopting of clean and environment friendly technology.

For example, EOGEPPL do conduct operation & maintenance to an ICDS center of Village- Dhabani, where mid-day meal is cooked through CBM gas for more than 80 children.



| Surface Drain Water Analysis Report |                           |                                          |      |                                                                                         |                                    |                                    |                                          |
|-------------------------------------|---------------------------|------------------------------------------|------|-----------------------------------------------------------------------------------------|------------------------------------|------------------------------------|------------------------------------------|
| Type                                |                           |                                          |      |                                                                                         | Surface Drain                      | Surface Drain                      | Surface Drain                            |
| Sample Identification No.           |                           |                                          |      |                                                                                         | SW-050-2023                        | SW-405-2022                        | SW-051-2023                              |
| Latitude & Longitude                |                           |                                          |      |                                                                                         | Lat:23°34'08"N,<br>Long:87°24'33"E | Lat:23°37'41"N,<br>Long:87°21'07"E | Lat:23°30'18.29"N,<br>Long:87°23'39.80"E |
| S. No.                              | Parameter                 | Method of Analysis                       | Unit | CPCB Limit for<br>Discharge of<br>Environmental<br>Pollutants (Inland<br>surface water) | MCS- Malandighi                    | GGs#001 Khatgoria<br>Surface Drain | Gopalpur Warehouse<br>Surface Drain      |
| Date                                |                           |                                          |      |                                                                                         | 18.02.2023                         | 18.11.2022                         | 16.02.2023                               |
| 1                                   | pH at 27°C                | APHA 23rd Edition, 4500-H <sup>+</sup> B | —    | 5.5 to 9.0                                                                              | 6.51                               | 7.36                               | 7.17                                     |
| 2                                   | Total Suspended Solids    | APHA 23rd Edition, 2540 D                | mg/l | 100                                                                                     | 63                                 | 23                                 | 57                                       |
| 4                                   | Biochemical Oxygen Demand | IS 3025 (Part 44):1983                   | mg/l | 30                                                                                      | 26                                 | 26                                 | 25                                       |
| 5                                   | Chemical Oxygen Demand    | APHA 23rd Edition, 5220 B                | mg/l | 250                                                                                     | 108                                | 124                                | 108                                      |
| 6                                   | Oil & Grease              | APHA 23rd Edition, 5520 B                | mg/l | 10                                                                                      | 6                                  | 6.5                                | 5                                        |

## Annexure II

[illegible]



## Annexure II

[illegible]

## Annexure II

[illegible]

## Annexure II

[illegible]

**GG set and DG set Emissions Details**

**Annexure II**

| NO. OF STACKS                                       | 32                | 33                | 34                | 35                | 36                | 37                | 38                | 39                |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Date of Sampling                                    | 14.06.2022        | 14.06.2022        | 14.06.2022        | 14.06.2022        | 14.06.2022        | 14.06.2022        | 15.06.2022        | 15.06.2022        |
| Date of Reporting                                   | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        |
| Site Name                                           | EDE-001           | EDD - 003         | EDD - 022         | EDD - 017         | EDD - 015         | EDD - 012         | GGs -001          | GGs - 1           |
| Village Name                                        | JATGORIA          | BARGORIA          | GOPEDANGA         | PRATAPPUR         | BARGORIA          | KANTABERIA        | KHATGORIA         | KHATGORIA         |
| Stack connected to                                  | 125 KVA GG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 125 KVA GG Set    | 125 KVA GG Set    | 180 KVA DG Set    |
| Emission due to                                     | Combustion of CBM | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of CBM | Combustion of CBM | Combustion of HSD |
| Material of construction of stack                   | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              |
| Shape of stack                                      | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          |
| Height of the stack from ground level               | 3.96 m.           | 4.26 m.           | 4.57m.            | 4.57 m.           | 4.57 m.           | 6.09 m.           | 4.87 m.           | 4.87 m.           |
| Height of the sampling point from ground level      | 3.65 m.           | 3.04 m.           | 3.65 m.           | 3.65 m.           | 3.65 m.           | 4.87 m.           | 3.65 m.           | 3.65 m.           |
| Diameter of the stack at Sampling Point             | 0.1015 m          | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.127 m           | 0.1015 m.         | 0.1015 m.         |
| Fuel used                                           | CBM               | HSD               | HSD               | HSD               | HSD               | CBM               | CBM               | HSD               |
| Capacity                                            | 125 KVA GG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 125 KVA GG Set    | 125 KVA GG Set    | 180 KVA DG Set    |
| Temperature of emission, (deg. C)                   | 80                | 108               | 78                | 126               | 112               | 122               | 108               | 111               |
| Barometric pressure, (mm of Hg)                     | 757               | 757               | 757               | 757               | 757               | 757               | 757               | 757               |
| Velocity of gas in stack, (m/Sec)                   | 9.98              | 11.08             | 10.75             | 11.34             | 10.32             | 10.64             | 10.37             | 11.12             |
| Quantity of gas flow, (Nm <sup>3</sup> /hr)         | 246.06            | 253.14            | 266.46            | 247.36            | 233.28            | 234.47            | 236.82            | 252.02            |
| Total Conc. Nox + NMHC , (g/Kw-hr)                  | 0.2098            | 0.1875            | 0.2173            | 0.1866            | 0.1744            | 0.1850            | 0.1894            | 0.1608            |
| Concentration of Carbon Monoxide (CO), (g/Kw-hr)    | 0.15              | 0.17              | 0.17              | 0.16              | 0.16              | 0.15              | 0.16              | 0.13              |
| Concentration of Particulate Matter (PM), (g/Kw-hr) | 0.00              | 0.12              | 0.11              | 0.10              | 0.10              | 0.00              | 0.00              | 0.08              |

**GG set and DG set Emissions Details**

**Annexure II**

| NO. OF STACKS                                       | 40                | 41                | 42                | 43                | 44                | 45                | 46                | 47                |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Date of Sampling                                    | 15.06.2022        | 15.06.2022        | 15.06.2022        | 15.06.2022        | 15.06.2022        | 15.06.2022        | 16.06.2022        | 16.06.2022        |
| Date of Reporting                                   | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        |
| Site Name                                           | GGs - 002         | GGs - 002         | MCS               | CGS               | CGS               | WAREHOUSE         | EDI - 038         | EDI-032           |
| Village Name                                        | AKANDARA          | AKANDARA          | MALANDIGHI        | BANSKOPA          | BANSKOPA          | GOPALPUR          | PATHARDIHA        | AKANDARA          |
| Stack connected to                                  | 125 KVA GG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 50 KVA DG Set     | 50 KVA GG Set     | 125 KVA DG Set    | 125 KVA GG Set    | 125 KVA GG Set    |
| Emission due to                                     | Combustion of CBM | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of CBM | Combustion of HSD | Combustion of CBM | Combustion of CBM |
| Material of construction of stack                   | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              |
| Shape of stack                                      | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          |
| Height of the stack from ground level               | 3.65 m.           | 4.26 m.           | 4.87 m.           | 3.96 m.           | 4.57 m.           | 4.87 m.           | 4.87 m.           | 4.21 m.           |
| Height of the sampling point from ground level      | 3.04 m.           | 3.65 m.           | 3.65 m.           | 3.35 m.           | 3.96 m.           | 3.65 m.           | 4.26 m.           | 2.43 m.           |
| Diameter of the stack at Sampling Point             | 0.1015 m.         | 0.1015 m          | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         |
| Fuel used                                           | CBM               | HSD               | HSD               | HSD               | CBM               | CBM               | CBM               | CBM               |
| Capacity                                            | 125 KVA GG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 50 KVA DG Set     | 50 KVA GG Set     | 125 KVA DG Set    | 125 KVA GG Set    | 125 KVA GG Set    |
| Temperature of emission, (deg. C)                   | 93                | 118               | 104               | 68                | 60                | 110               | 110               | 122               |
| Barometric pressure, (mm of Hg)                     | 757               | 757               | 757               | 757               | 757               | 757               | 757               | 757               |
| Velocity of gas in stack, (m/Sec)                   | 10.98             | 11.30             | 11.02             | 9.81              | 8.85              | 11.08             | 10.39             | 11.40             |
| Quantity of gas flow, (Nm <sup>3</sup> /hr)         | 261.01            | 251.61            | 254.34            | 250.27            | 231.13            | 254.11            | 236.06            | 251.27            |
| Total Conc. Nox + NMHC , (g/Kw-hr)                  | 0.1968            | 0.1899            | 0.2023            | 0.2693            | 0.2794            | 0.1958            | 0.1888            | 0.1916            |
| Concentration of Carbon Monoxide (CO), (g/Kw-hr)    | 0.17              | 0.16              | 0.16              | 0.29              | 0.26              | 0.16              | 0.14              | 0.16              |
| Concentration of Particulate Matter (PM), (g/Kw-hr) | 0.00              | 0.12              | 0.11              | 0.17              | 0.00              | 0.12              | 0.00              | 0.00              |



## GG set and DG set Emissions Details

## Annexure II

| NO. OF STACKS                                       | 48                | 49                | 50                | 51                | 52                | 53                | 54                | 55                |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Date of Sampling                                    | 16.06.2022        | 16.06.2022        | 16.06.2022        | 16.06.2022        | 16.06.2022        | 21.11.2022        | 21.11.2022        | 21.11.2022        |
| Date of Reporting                                   | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 30.06.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        |
| Site Name                                           | EDI-036           | EDI-120           | EDI-039           | EDN-162           | EDI-115           | EDH-033           | EDH-031           | EDH - 029         |
| Village Name                                        | AKANDARA          | HARIKI            | SARASWATIGUN      | PATHARDIHA        | SARASWATIGUN      | LABNAPARA         | DHABANI           | DHABANI           |
| Stack connected to                                  | 125 KVA GG Set    | 125 KVA GG Set    | 125 KVA GG Set    | 50 KVA DG Set     | 50 KVA DG Set     | 125 KVA GG Set    | 125 KVA GG Set    | 50 KVA GG Set     |
| Emission due to                                     | Combustion of CBM | Combustion of CBM | Combustion of CBM | Combustion of HSD | Combustion of HSD | Combustion of CBM | Combustion of CBM | Combustion of CBM |
| Material of construction of stack                   | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              |
| Shape of stack                                      | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          |
| Height of the stack from ground level               | 5.91 m.           | 3.76 m.           | 4.26 m.           | 3.80 m.           | 4.57 m.           | 3.96 m.           | 3.05 m            | 3.65 m.           |
| Height of the sampling point from ground level      | 3.04 m.           | 3.04 m.           | 3.65 m.           | 3.65 m.           | 3.65 m.           | 3.35 m.           | 3.05 m.           | 3.65 m.           |
| Diameter of the stack at Sampling Point             | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m          | 0.1015 m          | 0.1015 m          |
| Fuel used                                           | CBM               | CBM               | CBM               | HSD               | HSD               | CBM               | CBM               | CBM               |
| Capacity                                            | 125 KVA GG Set    | 125 KVA GG Set    | 125 KVA GG Set    | 50 KVA DG Set     | 50 KVA DG Set     | 125 KVA GG Set    | 125 KVA GG Set    | 50 KVA GG Set     |
| Temperature of emission, (deg. C)                   | 124               | 119               | 117               | 51                | 63                | 111               | 98                | 98                |
| Barometric pressure, (mm of Hg)                     | 757               | 757               | 757               | 757               | 757               | 756               | 756               | 756               |
| Velocity of gas in stack, (m/Sec)                   | 10.58             | 10.51             | 11.33             | 9.51              | 9.79              | 10.36             | 10.08             | 10.98             |
| Quantity of gas flow, (Nm <sup>3</sup> /hr)         | 231.93            | 233.38            | 252.82            | 256.18            | 251.11            | 227.32            | 231.78            | 251.11            |
| Total Conc. Nox + NMHC , (g/Kw-hr)                  | 0.1798            | 0.1826            | 0.1909            | 0.3306            | 0.2852            | 0.1217            | 0.1252            | 0.1001            |
| Concentration of Carbon Monoxide (CO), (g/Kw-hr)    | 0.14              | 0.13              | 0.15              | 0.29              | 0.13              | 0.11              | 0.11              | 0.09              |
| Concentration of Particulate Matter (PM), (g/Kw-hr) | 0.00              | 0.00              | 0.00              | 0.19              | 0.20              | 0.00              | 0.00              | 0.00              |

## Annexure II

[illegible]

## Annexure II

[illegible]

## Annexure II

[illegible]

## Annexure II

[illegible]

**GG set and DG set Emissions Details**

**Annexure II**

| NO. OF STACKS                                       | 88                | 89                | 90                | 91                | 92                | 93                | 94                | 95                |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Date of Sampling                                    | 25.11.2022        | 25.11.2022        | 26.11.2022        | 26.11.2022        | 26.11.2022        | 26.11.2022        | 26.11.2022        | 26.11.2022        |
| Date of Reporting                                   | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        |
| Site Name                                           | EDI-039           | EDI-038           | EDI-040           | EDI-042           | EDI - 032 [A]     | EDI - 032 [B]     | EDH - 034         | EDI-036           |
| Village Name                                        | SARASWATIGUN      | SARASWATIGUN      | SARASWATIGUN      | SARASWATIGUN      | AKANDARA          | AKANDARA          | AKANDARA          | AKANDARA          |
| Stack connected to                                  | 125 KVA GG Set    | 125 KVA GG Set    | 125 KVA GG Set    | 50 KVA DG Set     | 125 KVA GG Set    | 125 KVA GG Set    | 125 KVA GG Set    | 125 KVA GG Set    |
| Emission due to                                     | Combustion of CBM | Combustion of CBM | Combustion of CBM | Combustion of HSD | Combustion of CBM | Combustion of CBM | Combustion of CBM | Combustion of CBM |
| Material of construction of stack                   | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              |
| Shape of stack                                      | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          |
| Height of the stack from ground level               | 4.26 m.           | 4.87 m.           | 4.26 m.           | 3.65 m.           | 4.43 m.           | 4.43 m.           | 4.26 m.           | 5.91 m.           |
| Height of the sampling point from ground level      | 3.65 m.           | 4.26 m.           | 4.26 m.           | 3.40 m.           | 4.21 m.           | 4.21 m.           | 4.26 m.           | 3.04 m.           |
| Diameter of the stack at Sampling Point             | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         |
| Fuel used                                           | CBM               | CBM               | CBM               | HSD               | CBM               | CBM               | CBM               | CBM               |
| Capacity                                            | 125 KVA GG Set    | 125 KVA GG Set    | 125 KVA GG Set    | 50 KVA DG Set     | 125 KVA GG Set    | 125 KVA GG Set    | 125 KVA GG Set    | 125 KVA GG Set    |
| Temperature of emission, (deg. C)                   | 118               | 120               | 117               | 74                | 118               | 145               | 150               | 139               |
| Barometric pressure, (mm of Hg)                     | 756               | 756               | 756               | 756               | 756               | 756               | 756               | 756               |
| Velocity of gas in stack, (m/Sec)                   | 10.44             | 10.47             | 12.78             | 9.83              | 11.29             | 10.81             | 10.75             | 10.60             |
| Quantity of gas flow, (Nm <sup>3</sup> /hr)         | 225.91            | 225.11            | 227.3             | 240.04            | 245.73            | 217.95            | 213.48            | 217.13            |
| Total Conc. Nox + NMHC , (g/Kw-hr)                  | 0.1078            | 0.1074            | 0.1091            | 0.1877            | 0.1173            | 0.1057            | 0.1013            | 0.1129            |
| Concentration of Carbon Monoxide (CO), (g/Kw-hr)    | 0.12              | 0.12              | 0.11              | 0.09              | 0.11              | 0.11              | 0.11              | 0.11              |
| Concentration of Particulate Matter (PM), (g/Kw-hr) | 0.00              | 0.00              | 0.00              | 0.15              | 0.00              | 0.00              | 0.00              | 0.00              |

**GG set and DG set Emissions Details**

**Annexure II**

| NO. OF STACKS                                       | 96                | 97                | 98                | 99                | 100               | 101               | 102               | 103               |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Date of Sampling                                    | 26.11.2022        | 28.11.2022        | 28.11.2022        | 28.11.2022        | 28.11.2022        | 28.11.2022        | 28.11.2022        | 28.11.2022        |
| Date of Reporting                                   | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        |
| Site Name                                           | EDI - 037         | EDD - 003         | EDD - 006         | EDD - 007         | EDD - 011         | EDD - 017         | EDD - 015         | EDD - 405         |
| Village Name                                        | AKANDARA          | BARGORIA          | BARGORIA          | GOPEDANGA         | BORGORIA          | PRATAPPUR         | BARGORIA          | KALIKAPUR         |
| Stack connected to                                  | 125 KVA GG Set    | 125 KVA DG Set    | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     | 125 KVA DG Set    | 125 KVA DG Set    | 50 KVA DG Set     |
| Emission due to                                     | Combustion of CBM | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD |
| Material of construction of stack                   | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              |
| Shape of stack                                      | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          |
| Height of the stack from ground level               | 4.26 m.           | 4.26 m.           | 4.21 m.           | 4.26 m.           | 3.57m.            | 4.57 m.           | 4.57 m.           | 4.65 m.           |
| Height of the sampling point from ground level      | 4.26 m.           | 3.04 m.           | 4.00 m.           | 4.20 m.           | 3.25 m.           | 3.65 m.           | 3.65 m.           | 3.26 m.           |
| Diameter of the stack at Sampling Point             | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         |
| Fuel used                                           | CBM               | HSD               | HSD               | HSD               | HSD               | HSD               | HSD               | HSD               |
| Capacity                                            | 125 KVA GG Set    | 125 KVA DG Set    | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     | 125 KVA GG Set    | 125 KVA DG Set    | 50 KVA DG Set     |
| Temperature of emission, (deg. C)                   | 138               | 130               | 88                | 76                | 62                | 128               | 132               | 60                |
| Barometric pressure, (mm of Hg)                     | 756               | 756               | 756               | 756               | 756               | 756               | 756               | 756               |
| Velocity of gas in stack, (m/Sec)                   | 10.72             | 10.95             | 9.16              | 9.01              | 8.83              | 10.59             | 10.64             | 8.81              |
| Quantity of gas flow, (Nm <sup>3</sup> /hr)         | 218.89            | 215.76            | 215.25            | 218.01            | 222.25            | 222.24            | 221.33            | 222.15            |
| Total Conc. Nox + NMHC , (g/Kw-hr)                  | 0.1128            | 0.1149            | 0.1476            | 0.1702            | 0.1607            | 0.1319            | 0.1305            | 0.1793            |
| Concentration of Carbon Monoxide (CO), (g/Kw-hr)    | 0.11              | 0.14              | 0.13              | 0.12              | 0.12              | 0.14              | 0.15              | 0.16              |
| Concentration of Particulate Matter (PM), (g/Kw-hr) | 0.00              | 0.09              | 0.15              | 0.14              | 0.16              | 0.09              | 0.09              | 0.16              |



## GG set and DG set Emissions Details

Annexure II

| NO. OF STACKS                                       | 104               | 105               | 106               | 107               | 108               | 109               | 110               | 111               |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Date of Sampling                                    | 29.11.2022        | 29.11.2022        | 29.11.2022        | 29.11.2022        | 29.11.2022        | 29.11.2022        | 29.11.2022        | 29.11.2022        |
| Date of Reporting                                   | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        |
| Site Name                                           | EDC - 072         | EDD - 409         | EDG - 077         | EDG - 074         | EDD - 049         | EDD - 053         | EDD - 027         | EDD - 028         |
| Village Name                                        | NACHAN            | PRATAPPUR         | KAMALPUR          | PARULIA           | NACHAN            | NACHAN            | KANTABERIA        | DHABANI           |
| Stack connected to                                  | 125 KVA DG Set    | 125 KVA DG Set    | 50 KVA DG Set     | 125 KVA DG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 50 KVA DG Set     | 50 KVA DG Set     |
| Emission due to                                     | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD |
| Material of construction of stack                   | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              |
| Shape of stack                                      | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          |
| Height of the stack from ground level               | 4.26 m.           | 4.57 m.           | 3.65 m.           | 4.57 m.           | 3.87 m.           | 4.03 m.           | 4.26 m.           | 4.26 m.           |
| Height of the sampling point from ground level      | 4.20 m.           | 3.65 m.           | 3.26 m.           | 3.65 m.           | 3.26 m.           | 3.25 m.           | 4.20 m.           | 3.65 m.           |
| Diameter of the stack at Sampling Point             | 0.1015 m          | 0.1015 m.         | 0.1015 m.         | 0.1015 m          | 0.1015 m          | 0.1015 m          | 0.1015 m          | 0.1015 m.         |
| Fuel used                                           | HSD               | HSD               | HSD               | HSD               | HSD               | HSD               | HSD               | HSD               |
| Capacity                                            | 125 KVA DG Set    | 125 KVA DG Set    | 50 KVA DG Set     | 125 KVA DG Set    | 125 KVA DG Set    | 125 KVA DG Set    | 50 KVA DG Set     | 50 KVA DG Set     |
| Temperature of emission, (deg. C)                   | 140               | 136               | 67                | 134               | 140               | 152               | 72                | 66                |
| Barometric pressure, (mm of Hg)                     | 756               | 756               | 756               | 756               | 756               | 756               | 756               | 756               |
| Velocity of gas in stack, (m/Sec)                   | 10.74             | 10.68             | 8.90              | 10.66             | 10.70             | 10.89             | 9.80              | 8.86              |
| Quantity of gas flow, (Nm <sup>3</sup> /hr)         | 218.66            | 221.00            | 220.45            | 221.29            | 218.31            | 216.62            | 240.58            | 221.15            |
| Total Conc. Nox + NMHC, (g/Kw-hr)                   | 0.1274            | 0.1375            | 0.1752            | 0.1319            | 0.1271            | 0.1247            | 0.1682            | 0.1649            |
| Concentration of Carbon Monoxide (CO), (g/Kw-hr)    | 0.14              | 0.14              | 0.11              | 0.14              | 0.14              | 0.14              | 0.12              | 0.11              |
| Concentration of Particulate Matter (PM), (g/Kw-hr) | 0.10              | 0.11              | 0.17              | 0.10              | 0.11              | 0.10              | 0.18              | 0.15              |

**GG set and DG set Emissions Details**

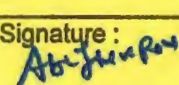
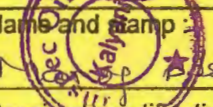
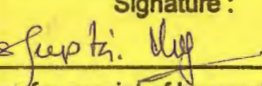
Annexure II

| NO. OF STACKS                                       | 112               | 113               | 114               | 115               | 116               | 117               |
|-----------------------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Date of Sampling                                    | 30.11.2022        | 30.11.2022        | 30.11.2022        | 30.11.2022        | 30.11.2022        | 30.11.2022        |
| Date of Reporting                                   | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        | 10.12.2022        |
| Site Name                                           | EDI - 070         | EDI - 038         | EDI - 115         | EDI - 046         | EDI-120           | EDN-162           |
| Village Name                                        | GHATAKDANGA       | SARASWATIGUNG     | SARASWATIGUNG     | AKANDARA          | HARIKI            | PATHARDIHA        |
| Stack connected to                                  | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     |
| Emission due to                                     | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD | Combustion of HSD |
| Material of construction of stack                   | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              | M.S.              |
| Shape of stack                                      | Circular          | Circular          | Circular          | Circular          | Circular          | Circular          |
| Height of the stack from ground level               | 4.57 m.           | 4.84 m.           | 4.57 m.           | 3.87 m.           | 4.26 m.           | 3.85 m.           |
| Height of the sampling point from ground level      | 4.26 m.           | 4.26 m.           | 3.65 m.           | 3.65 m.           | 3.65 m.           | 3.85 m.           |
| Diameter of the stack at Sampling Point             | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         | 0.1015 m.         |
| Fuel used                                           | HSD               | HSD               | HSD               | HSD               | HSD               | HSD               |
| Capacity                                            | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     | 50 KVA DG Set     |
| Temperature of emission, (deg. C)                   | 54                | 60                | 61                | 67                | 79                | 75                |
| Barometric pressure, (mm of Hg)                     | 756               | 756               | 756               | 756               | 756               | 756               |
| Velocity of gas in stack, (m/Sec)                   | 7.81              | 8.06              | 8.81              | 8.87              | 8.07              | 9.84              |
| Quantity of gas flow, (Nm <sup>3</sup> /hr)         | 200.87            | 203.84            | 221.87            | 220.68            | 193.58            | 239.57            |
| Total Conc. Nox + NMHC , (g/Kw-hr)                  | 0.1857            | 0.1649            | 0.1796            | 0.1645            | 0.1460            | 0.1756            |
| Concentration of Carbon Monoxide (CO), (g/Kw-hr)    | 0.11              | 0.12              | 0.13              | 0.12              | 0.12              | 0.14              |
| Concentration of Particulate Matter (PM), (g/Kw-hr) | 0.13              | 0.17              | 0.19              | 0.16              | 0.15              | 0.17              |

## FORM 10

[See rule 19 (1)]

## MANIFEST FOR HAZARDOUS AND OTHER WASTE

|                                                                                     |                                                                         |                                                                                                                                                                                                                                                                                                       |                                                                |     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-----|
| 1.                                                                                  | Sender's name and mailing address<br>(including Phone No. and e-mail)   | ESSAR OIL AND GAS EXPLORATION<br>AND PRODUCTION LTD. AN 818 SEC-2B<br>MARTIN LUTHER KING SARANI,<br>BIDHANNAHAR, DURGAHAR - 713212                                                                                                                                                                    |                                                                |     |
| 2.                                                                                  | Sender's authorisation No.                                              | :                                                                                                                                                                                                                                                                                                     | 15/25 (HW) - 2449/2008                                         |     |
| 3.                                                                                  | Manifest Document No.                                                   | :                                                                                                                                                                                                                                                                                                     |                                                                |     |
| 4.                                                                                  | Transporter's name and address :<br>(including Phone No. and e-mail)    | Inspec Oils Limited<br>A/122, Phase-III, Block-A-Kalyan                                                                                                                                                                                                                                               |                                                                |     |
| 5.                                                                                  | Type of vehicle                                                         | :                                                                                                                                                                                                                                                                                                     | (Truck / Tanker / Special Vehicle)                             |     |
| 6.                                                                                  | Transporter's registration No.                                          | :                                                                                                                                                                                                                                                                                                     | 182/23 (HW) - 2545/2009.                                       |     |
| 7.                                                                                  | Vehicle registration No.                                                | :                                                                                                                                                                                                                                                                                                     |                                                                |     |
| 8.                                                                                  | Receiver's name and mailing address<br>(including Phone No. and e-mail) | Inspec Oils Limited<br>A/122, Phase-III, Block-A<br>Kalyan, Nadia.                                                                                                                                                                                                                                    |                                                                |     |
| 9.                                                                                  | Receiver's authorisation No.                                            | :                                                                                                                                                                                                                                                                                                     | 182/23 (HW) - 2545/2009.                                       |     |
| 10.                                                                                 | Waste description                                                       | :                                                                                                                                                                                                                                                                                                     | - Used oil -                                                   |     |
| 11.                                                                                 | Total quantity<br>No. of Containers                                     | :                                                                                                                                                                                                                                                                                                     | 5670 m <sup>3</sup> or MT / LTR<br>27 Drum Nos.                |     |
| 12.                                                                                 | Physical form                                                           | :                                                                                                                                                                                                                                                                                                     | (Solid / Semi-Solid / Sludge / Oily / Tarry / Slurry / Liquid) |     |
| 13.                                                                                 | Special handling instructions and additional information                | :                                                                                                                                                                                                                                                                                                     | Handling with Care                                             |     |
| 14.                                                                                 | Sender's Certificate                                                    | I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations. |                                                                |     |
| Name and stamp:                                                                     |                                                                         | Signature:                                                                                                                                                                                                                                                                                            | Month                                                          | Day |
|  |                                                                         |                                                                                                                                                                                                                    | 05                                                             | 05  |
| Year                                                                                |                                                                         | 2022                                                                                                                                                                                                                                                                                                  |                                                                |     |
| 15.                                                                                 | Transporter's acknowledgement of receipt of Wastes                      |                                                                                                                                                                                                                                                                                                       |                                                                |     |
| Name and stamp:                                                                     |                                                                         | Signature:                                                                                                                                                                                                                                                                                            | Month                                                          | Day |
|  |                                                                         |                                                                                                                                                                                                                    |                                                                |     |
| Year                                                                                |                                                                         | 2022                                                                                                                                                                                                                                                                                                  |                                                                |     |
| 16.                                                                                 | Receiver's certification for receipt of hazardous and other waste       |                                                                                                                                                                                                                                                                                                       |                                                                |     |
| Name and stamp:                                                                     |                                                                         | Signature:                                                                                                                                                                                                                                                                                            | Month                                                          | Day |
|                                                                                     |                                                                         |                                                                                                                                                                                                                                                                                                       |                                                                |     |
| Year                                                                                |                                                                         |                                                                                                                                                                                                                                                                                                       |                                                                |     |



# FORM 10

[See rule 19 (1)]

## MANIFEST FOR HAZARDOUS AND OTHER WASTE

|     |                                                                         |                                                                                                                                                                                                                                                                                                              |                                                                     |     |      |
|-----|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|-----|------|
| 1.  | Sender's name and mailing address<br>(including Phone No. and e-mail)   | Esso Oil and Gas Exploration<br>and production Limited<br>Durgapur- 713 212.                                                                                                                                                                                                                                 |                                                                     |     |      |
| 2.  | Sender's authorisation No.                                              | :                                                                                                                                                                                                                                                                                                            | 15/25 (HW) - 2449/2008                                              |     |      |
| 3.  | Manifest Document No.                                                   | :                                                                                                                                                                                                                                                                                                            |                                                                     |     |      |
| 4.  | Transporter's name and address :<br>(including Phone No. and e-mail)    | Inspec Oils Limited<br>A/122 Phase III Block A. Kalyani                                                                                                                                                                                                                                                      |                                                                     |     |      |
| 5.  | Type of vehicle                                                         | :                                                                                                                                                                                                                                                                                                            | (Truck / Tanker / Special Vehicle)                                  |     |      |
| 6.  | Transporter's registration No.                                          | :                                                                                                                                                                                                                                                                                                            | 182/28 (HW) - 2545/2009                                             |     |      |
| 7.  | Vehicle registration No.                                                | :                                                                                                                                                                                                                                                                                                            |                                                                     |     |      |
| 8.  | Receiver's name and mailing address<br>(including Phone No. and e-mail) | Inspec Oils Limited<br>A/122 Phase III Block A<br>Kalyani Nadia                                                                                                                                                                                                                                              |                                                                     |     |      |
| 9.  | Receiver's authorisation No.                                            | :                                                                                                                                                                                                                                                                                                            | 182/28 (HW) - 2545/2009                                             |     |      |
| 10. | Waste description                                                       | :                                                                                                                                                                                                                                                                                                            | - Used oil                                                          |     |      |
| 11. | Total quantity<br>No. of Containers                                     | :                                                                                                                                                                                                                                                                                                            | 2400 LTR .....m <sup>3</sup> or MT/Hs<br>12 .....Nos.               |     |      |
| 12. | Physical form                                                           | :                                                                                                                                                                                                                                                                                                            | (Solid / Semi -<br>Solid / Sludge / Oily / Tarry / Slurry / Liquid) |     |      |
| 13. | Special handling instructions and additional<br>information             | :                                                                                                                                                                                                                                                                                                            | Handle                                                              |     |      |
| 14. | Sender's Certificate                                                    | <p>I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.</p> |                                                                     |     |      |
|     | Name and stamp                                                          | Signature :                                                                                                                                                                                                                                                                                                  | Month                                                               | Day | Year |
|     |                                                                         |                                                                                                                                                                                                                                                                                                              | 08                                                                  | 19  | 2009 |
| 15. | Transporter acknowledgement of receipt of<br>Wastes                     |                                                                                                                                                                                                                                                                                                              |                                                                     |     |      |
|     | Name and stamp :                                                        | Signature :                                                                                                                                                                                                                                                                                                  | Month                                                               | Day | Year |
|     | Momay Datta                                                             |                                                                                                                                                                                                                                                                                                              | 08                                                                  |     | 2009 |
| 16. | Receiver's certification for receipt of hazardous and other waste       |                                                                                                                                                                                                                                                                                                              |                                                                     |     |      |
|     | Name and stamp :                                                        | Signature :                                                                                                                                                                                                                                                                                                  | Month                                                               | Day | Year |
|     |                                                                         |                                                                                                                                                                                                                                                                                                              |                                                                     |     |      |



**[See rule 19 (1)].**

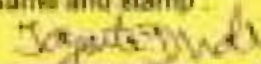
|                |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |      |      |
|----------------|-------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|------|------|
| 1.             | Sender's name and mailing address<br>(including Phone No. and e-mail)   | ESSAR OIL AND GAS EXPLORATION<br>AND PRODUCTION LIMITED<br>VILL AND POST - MOLANDTHAT<br>DIST - PASCHIM BARDHAMAN 713212                                                                                                                                                                                                                                                                         |                                                                        |      |      |
| 2.             | Sender's authorisation No.                                              | :                                                                                                                                                                                                                                                                                                                                                                                                | 205 125 (H/W) - 2449 / 2008                                            |      |      |
| 3.             | Manifest Document No.                                                   | :                                                                                                                                                                                                                                                                                                                                                                                                |                                                                        |      |      |
| 4.             | Transporter's name and address :<br>(including Phone No. and e-mail)    | :                                                                                                                                                                                                                                                                                                                                                                                                | Inspection Oil Limited<br>A/122, Phase III, Block-A, Kalyani           |      |      |
| 5.             | Type of vehicle                                                         | :                                                                                                                                                                                                                                                                                                                                                                                                | (Truck / Tanker / Special Vehicle)                                     |      |      |
| 6.             | Transporter's registration No.                                          | :                                                                                                                                                                                                                                                                                                                                                                                                | 188/22 (H/W) - 2545 / 2009,                                            |      |      |
| 7.             | Vehicle registration No.                                                | :                                                                                                                                                                                                                                                                                                                                                                                                | WB03CT075                                                              |      |      |
| 8.             | Receiver's name and mailing address<br>(including Phone No. and e-mail) | :                                                                                                                                                                                                                                                                                                                                                                                                | Inspection Oil Limited<br>A/122, Phase III, Block-A<br>Kalyani - Nadia |      |      |
| 9.             | Receiver's authorisation No.                                            | :                                                                                                                                                                                                                                                                                                                                                                                                | 188/22 (H/W) - 2545 / 2009.                                            |      |      |
| 10.            | Waste description                                                       | :                                                                                                                                                                                                                                                                                                                                                                                                | - Used Oil -                                                           |      |      |
| 11.            | Total quantity<br>No. of Containers                                     | :                                                                                                                                                                                                                                                                                                                                                                                                | 8000 LTR ..... m <sup>3</sup> or MT / 225<br>..... 40 ..... Nos.       |      |      |
| 12.            | Physical form                                                           | :                                                                                                                                                                                                                                                                                                                                                                                                | (Solid / Semi -<br>Solid / Sludge / Oily / Tarry / Slurry / Liquid)    |      |      |
| 13.            | Special handling instructions and additional<br>information             | :                                                                                                                                                                                                                                                                                                                                                                                                | Handle with care                                                       |      |      |
| 14.            | Sender's Certificate                                                    | <p>I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations.</p>  |                                                                        |      |      |
| Name and stamp |                                                                         | Signature :                                                                                                                                                                                                                                                                                                                                                                                      | Month                                                                  | Day  | Year |
|                |                                                                         |                                                                                                                                                                                                                                                                                                               |                                                                        | 0124 | 2023 |
| 15.            | Transporter acknowledgement of receipt of Wastes                        |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |      |      |
| Name and stamp |                                                                         | Signature :                                                                                                                                                                                                                                                                                                                                                                                      | Month                                                                  | Day  | Year |
| Mamun          |                                                                         |                                                                                                                                                                                                                                                                                                               |                                                                        | 0124 | 2023 |
| 16.            | Receiver's certification for receipt of hazardous and other waste       |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |      |      |
| Name and stamp |                                                                         | Signature :                                                                                                                                                                                                                                                                                                                                                                                      | Month                                                                  | Day  | Year |
|                |                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                        |      |      |



# FORM 10

[See rule 19 (1)]

## MANIFEST FOR HAZARDOUS AND OTHER WASTE

|                                                                                                         |                                                                         |                                                                                                                                                                                                                                                                                                       |             |           |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------|
| 1.                                                                                                      | Sender's name and mailing address<br>(including Phone No. and e-mail)   | ESSAR OIL AND GAS EXPORTERS<br>AND PROMOTION LTD.<br>Jawahar Road & Mohanagar<br>DST & Cochin Portway 713212                                                                                                                                                                                          |             |           |
| 2.                                                                                                      | Sender's authorisation No.                                              | 205/25 (H/W)-2449/2008                                                                                                                                                                                                                                                                                |             |           |
| 3.                                                                                                      | Manifest Document No.                                                   | WB19H280                                                                                                                                                                                                                                                                                              |             |           |
| 4.                                                                                                      | Transporter's name and address :<br>(including Phone No. and e-mail)    | Tata Lube<br>Desh Road, Barruani, Righta, Po-<br>Mullabery, Dist, Hooghly-712250                                                                                                                                                                                                                      |             |           |
| 5.                                                                                                      | Type of vehicle                                                         | (Truck / Tanker / Special Vehicle)                                                                                                                                                                                                                                                                    |             |           |
| 6.                                                                                                      | Transporter's registration No.                                          | 03/25 (H/W)-3591/2019                                                                                                                                                                                                                                                                                 |             |           |
| 7.                                                                                                      | Vehicle registration No.                                                | WB19H2804/WB19L3884                                                                                                                                                                                                                                                                                   |             |           |
| 8.                                                                                                      | Receiver's name and mailing address<br>(including Phone No. and e-mail) | Tata Lube<br>Desh Road, Barruani, Righta, Po-<br>Mullabery, Dist, Hooghly-712250                                                                                                                                                                                                                      |             |           |
| 9.                                                                                                      | Receiver's authorisation No.                                            | 03/25 (H/W)-3591/2019                                                                                                                                                                                                                                                                                 |             |           |
| 10.                                                                                                     | Waste description                                                       | waste oil                                                                                                                                                                                                                                                                                             |             |           |
| 11.                                                                                                     | Total quantity<br>No. of Containers                                     | 5000 Ltr m <sup>3</sup> or MT<br>Nos.                                                                                                                                                                                                                                                                 |             |           |
| 12.                                                                                                     | Physical form                                                           | (Solid / Semi-Solid / Sludge / Clay / Tarry / Slurry / Liquid)                                                                                                                                                                                                                                        |             |           |
| 13.                                                                                                     | Special handling instructions and additional information                | Handle with care                                                                                                                                                                                                                                                                                      |             |           |
| 14.                                                                                                     | Sender's Certificate                                                    | I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable national government regulations. |             |           |
| Name and stamp :<br> |                                                                         | Signature :<br>                                                                                                                                                                                                    | Month<br>02 | Day<br>13 |
| Year<br>2023                                                                                            |                                                                         |                                                                                                                                                                                                                                                                                                       |             |           |
| 15.                                                                                                     | Transporter acknowledgement of receipt of Wastes                        |                                                                                                                                                                                                                                                                                                       |             |           |
| Name and stamp :<br> |                                                                         | Signature :<br>P.O. Mullabery<br>Dist - Hooghly-712250                                                                                                                                                                                                                                                | Month<br>02 | Day<br>13 |
| Year<br>2023                                                                                            |                                                                         |                                                                                                                                                                                                                                                                                                       |             |           |
| 16.                                                                                                     | Receiver's certification for receipt of hazardous and other waste       |                                                                                                                                                                                                                                                                                                       |             |           |
| Name and stamp :                                                                                        |                                                                         | Signature :                                                                                                                                                                                                                                                                                           | Month<br>02 | Day<br>13 |
| Year<br>2023                                                                                            |                                                                         |                                                                                                                                                                                                                                                                                                       |             |           |



## FORM 10

2nd Copy

## WEST BENGAL WASTE MANAGEMENT LIMITED

J.L. No. - 80, Vill. : Pabayan, P.O. : Bishjore, P.S. : Saltora, Bankura, W.B. 722158

## MANIFEST FOR HAZARDOUS AND OTHER WASTE

|    |                                                                           |                                                                                                                                                                                                                                                                                                    |     |       |         |
|----|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|---------|
| 1  | Sender's name and mailing address<br>(including Phone No. and e-mail) :   | ESSAR OIL AND GAS EXPLORATION AND<br>PRODUCTION LIMITED<br>Vill and Post : Malandighi<br>Block : Kankra<br>Dist : Paschim Bardhaman Durgam 713212                                                                                                                                                  |     |       |         |
| 2  | Sender's authorization No. :                                              | 205/25 (HW) - 2449/2008                                                                                                                                                                                                                                                                            |     |       |         |
| 3  | Manifest Document No. :                                                   | 1 432                                                                                                                                                                                                                                                                                              |     |       |         |
| 4  | Transporter's name and address<br>(including Phone No. and e-mail) :      | West Bengal Waste Management Limited<br>J.L. No. - 80, Mouza : Pabayan, P.S. : Saltora, Dist. : Bankura<br>West Bengal, Pin- 722158                                                                                                                                                                |     |       |         |
| 5  | Type of vehicle :                                                         | (Truck/Tanker/Special Vehicle)                                                                                                                                                                                                                                                                     |     |       |         |
| 6  | Transporter's registration No. :                                          | 1-MD(E)/X/06                                                                                                                                                                                                                                                                                       |     |       |         |
| 7  | Vehicle registration No. :                                                | WB 31N 0062                                                                                                                                                                                                                                                                                        |     |       |         |
| 8  | Receiver's name and mailing address<br>(including Phone No. and e-mail) : | West Bengal Waste Management Limited<br>J.L. No. - 80, Mouza : Pabayan, P.S. : Saltora, Dist. : Bankura<br>West Bengal, Pin- 722158                                                                                                                                                                |     |       |         |
| 9  | Receiver's authorization No. :                                            |                                                                                                                                                                                                                                                                                                    |     |       |         |
| 10 | Waste description :                                                       | Oil / contaminated waste, filter, silica                                                                                                                                                                                                                                                           |     |       |         |
| 11 | Total quantity<br>No. of Containers :                                     | 4.73 m3 or MT<br>Nos.                                                                                                                                                                                                                                                                              |     |       |         |
| 12 | Physical form :                                                           | (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)                                                                                                                                                                                                                                                 |     |       |         |
| 13 | Special handling instructions and<br>additional information               | Safety shoe, Hand gloves, goggles, Helmet                                                                                                                                                                                                                                                          |     |       |         |
| 14 | Sender's Certificate                                                      | I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations. |     |       |         |
|    | Name and stamp                                                            | Signature                                                                                                                                                                                                                                                                                          | Day | Month | Year    |
|    |                                                                           |                                                                                                                                                                                                                                                                                                    | 1   | 1     | 10 2022 |
| 15 | Transporter acknowledgement of receipt of wastes :                        |                                                                                                                                                                                                                                                                                                    |     |       |         |
|    | Name and stamp                                                            | Signature                                                                                                                                                                                                                                                                                          | Day | Month | Year    |
|    |                                                                           |                                                                                                                                                                                                                                                                                                    | 1   | 1     | 10 2022 |
| 16 | Receiver's certification for receipt of hazardous and other waste :       |                                                                                                                                                                                                                                                                                                    |     |       |         |
|    | Name and stamp                                                            | Signature                                                                                                                                                                                                                                                                                          | Day | Month | Year    |
|    |                                                                           |                                                                                                                                                                                                                                                                                                    |     |       |         |

1. White Colour forwarded to WBPCB by HzW Sender

3. Pink Colour retained by HzW Receiver

5. Green Colour forwarded to WBPCP after disposal by HzW Receiver

2. Yellow Colour retained by HzW sender

4. Orange Colour retained by transporter

6. Blue Colour returned to sender after disposal by



## FORM 10

2nd Copy

## WEST BENGAL WASTE MANAGEMENT LIMITED

— J.L. No. – 80, Vill. : Pabayan, P.O. : Bishjore, P.S. : Saltora, Bankura, W.B. 722158

## MANIFEST FOR HAZARDOUS AND OTHER WASTE

|    |                                                                           |                                                                                                                                                                                                                                                                                                    |     |       |         |
|----|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|---------|
| 1  | Sender's name and mailing address<br>(including Phone No. and e-mail) :   | ESSAR OIL AND GAS EXPLORATION AND PRODUCTION<br>LIMITED<br>WILL AND POST → MOLANDIHT<br>BLOCK → KANKSA<br>DIST → PASCHIM BARDHAMAN 713212                                                                                                                                                          |     |       |         |
| 2  | Sender's authorization No. :                                              | 205125 (HW) - 2449/2008                                                                                                                                                                                                                                                                            |     |       |         |
| 3  | Manifest Document No. :                                                   | 1 386                                                                                                                                                                                                                                                                                              |     |       |         |
| 4  | Transporter's name and address<br>(including Phone No. and e-mail) :      | West Bengal Waste Management Limited<br>J.L. No. – 80, Mouza : Pabayan, P.S. : Saltora, Dist. : Bankura<br>West Bengal, Pin- 722158                                                                                                                                                                |     |       |         |
| 5  | Type of vehicle :                                                         | (Truck/Tanker/Special Vehicle)                                                                                                                                                                                                                                                                     |     |       |         |
| 6  | Transporter's registration No. :                                          | 1-MD(E)/X/06                                                                                                                                                                                                                                                                                       |     |       |         |
| 7  | Vehicle registration No. :                                                | WB 31N 0098                                                                                                                                                                                                                                                                                        |     |       |         |
| 8  | Receiver's name and mailing address<br>(including Phone No. and e-mail) : | West Bengal Waste Management Limited<br>J.L. No. – 80, Mouza : Pabayan, P.S. : Saltora, Dist. : Bankura<br>West Bengal, Pin- 722158                                                                                                                                                                |     |       |         |
| 9  | Receiver's authorization No. :                                            |                                                                                                                                                                                                                                                                                                    |     |       |         |
| 10 | Waste description :                                                       | oil filler, waste cotton, silica, filler                                                                                                                                                                                                                                                           |     |       |         |
| 11 | Total quantity<br>No. of Containers :                                     | 3.580 m3 or MT<br>Nos.                                                                                                                                                                                                                                                                             |     |       |         |
| 12 | Physical form :                                                           | (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)                                                                                                                                                                                                                                                 |     |       |         |
| 13 | Special handling instructions and<br>additional information               | SAFETY shoe, Hand gloves, goggles, helmet                                                                                                                                                                                                                                                          |     |       |         |
| 14 | Sender's Certificate                                                      | I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations. |     |       |         |
|    | Name and stamp                                                            | Signature                                                                                                                                                                                                                                                                                          | Day | Month | Year    |
|    |                                                                           |                                                                                                                                                                                                                                                                                                    | 10  | 01    | 11 2022 |
| 15 | Transporter acknowledgement of receipt of Wastes :                        |                                                                                                                                                                                                                                                                                                    |     |       |         |
|    | Name and stamp                                                            | Signature                                                                                                                                                                                                                                                                                          | Day | Month | Year    |
|    |                                                                           |                                                                                                                                                                                                                                                                                                    | 10  | 01    | 11 2022 |
| 16 | Receiver's certification for receipt of hazardous and other waste :       |                                                                                                                                                                                                                                                                                                    |     |       |         |
|    | Name and stamp                                                            | Signature                                                                                                                                                                                                                                                                                          | Day | Month | Year    |
|    |                                                                           |                                                                                                                                                                                                                                                                                                    |     |       |         |

1. White Colour forwarded to WBPCB by HzW Sender

3. Pink Colour retained by HzW Receiver

5. Green Colour forwarded to WBPCP after disposal by HzW Receiver

2. Yellow Colour retained by HzW sender

4. Orange Colour retained by transporter

6. Blue Colour returned to sender after disposal by HzW Receiver



## FORM 10

2nd Copy

## WEST BENGAL WASTE MANAGEMENT LIMITED

J.L. No. - 80, Vill. : Pabayan, P.O. : Bishjore, P.S. : Saltora, Bankura, W.B. 722158

## MANIFEST FOR HAZARDOUS AND OTHER WASTE

|    |                                                                           |                                                                                                                                                                                                                                                                                                    |     |       |      |   |   |
|----|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------|------|---|---|
| 1  | Sender's name and mailing address<br>(including Phone No. and e-mail) :   | ESSAR OIL AND GAS EXPLORATION AND PRODUCTION<br>LTD<br>VILL and Post - Molandighi<br>Dist - Paschim Bardhaman, 713212                                                                                                                                                                              |     |       |      |   |   |
| 2  | Sender's authorization No. :                                              | 205/25 (N/W) - 2449/2008                                                                                                                                                                                                                                                                           |     |       |      |   |   |
| 3  | Manifest Document No. :                                                   | 1 474                                                                                                                                                                                                                                                                                              |     |       |      |   |   |
| 4  | Transporter's name and address<br>(including Phone No. and e-mail) :      | West Bengal Waste Management Limited<br>J.L. No. - 80, Mouza : Pabayan, P.S. : Saltora, Dist. : Bankura<br>West Bengal, Pin- 722158                                                                                                                                                                |     |       |      |   |   |
| 5  | Type of vehicle :                                                         | (Truck/Tanker/Special Vehicle)                                                                                                                                                                                                                                                                     |     |       |      |   |   |
| 6  | Transporter's registration No. :                                          | 1-MD(E)/X/06                                                                                                                                                                                                                                                                                       |     |       |      |   |   |
| 7  | Vehicle registration No. :                                                | WB 41F 9569                                                                                                                                                                                                                                                                                        |     |       |      |   |   |
| 8  | Receiver's name and mailing address<br>(including Phone No. and e-mail) : | West Bengal Waste Management Limited<br>J.L. No. - 80, Mouza : Pabayan, P.S. : Saltora, Dist. : Bankura<br>West Bengal, Pin- 722158                                                                                                                                                                |     |       |      |   |   |
| 9  | Receiver's authorization No. :                                            |                                                                                                                                                                                                                                                                                                    |     |       |      |   |   |
| 10 | Waste description :                                                       | Waste filter - 1.70 TON, Cotton waste - 1.61 TON                                                                                                                                                                                                                                                   |     |       |      |   |   |
| 11 | Total quantity<br>No. of Containers :                                     | 3.310 TON m3 or MT<br>Nos.                                                                                                                                                                                                                                                                         |     |       |      |   |   |
| 12 | Physical form :                                                           | (Solid/Semi-Solid/Sludge/Oily/Tarry/Slurry/Liquid)                                                                                                                                                                                                                                                 |     |       |      |   |   |
| 13 | Special handling instructions and<br>additional information               | Safety shoe, Hand gloves, goggles, Helmets                                                                                                                                                                                                                                                         |     |       |      |   |   |
| 14 | Sender's Certificate                                                      | I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping categorized, packed, marked and name and are labeled and are in all respects in proper conditions for transport by road according to applicable National Government Regulations. |     |       |      |   |   |
|    | Name and stamp                                                            | Signature                                                                                                                                                                                                                                                                                          | Day | Month | Year |   |   |
|    |                                                                           |                                                                                                                                                                                                                                                                                                    | 2   | 8     | 0    | 2 | 2 |
| 15 | Transporter's acknowledgement of receipt of Wastes :                      | Signature                                                                                                                                                                                                                                                                                          | Day | Month | Year |   |   |
|    |                                                                           |                                                                                                                                                                                                                                                                                                    | 2   | 8     | 0    | 2 | 2 |
| 16 | Receiver's certification for receipt of hazardous and other waste :       | Signature                                                                                                                                                                                                                                                                                          | Day | Month | Year |   |   |
|    | Name and stamp                                                            |                                                                                                                                                                                                                                                                                                    |     |       |      |   |   |

1. White Colour forwarded to WBPCB by HzW Sender

3. Pink Colour retained by HzW Receiver

5. Green Colour forwarded to WBPCP after disposal by HzW Receiver

2. Yellow Colour retained by HzW sender

4. Orange Colour retained by transporter

6. Blue Colour returned to sender after disposal by HzW Receiver

**Bio-degradable and Recyclable Solid Waste Record for the FY 2022-23**

**Annexure- V**

| Sl. No.                    | Category of waste    | Quantity (Kg.) |             |             |             |             |             |             |             |             |             |             |             | Yearly Total (Kg.) |
|----------------------------|----------------------|----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------------|
|                            |                      | Apr.'22        | May'22      | June'22     | July'22     | Aug.'22     | Sept.'22    | Oct.'22     | Nov.'22     | Dec.'22     | Jan.'23     | Feb.'23     | Mar.'23     |                    |
| 1                          | Bio-degradable waste | 1910           | 1930        | 2020        | 2330        | 3020        | 2770        | 2890        | 2810        | 3020        | 2970        | 2740        | 2040        | <b>30450</b>       |
| 2                          | Recyclable Waste     | 1300           | 1360        | 2120        | 2510        | 2590        | 3500        | 3090        | 3230        | 3010        | 3370        | 3120        | 4240        | <b>33440</b>       |
| <b>Monthly Total (Kg.)</b> |                      | <b>3210</b>    | <b>3290</b> | <b>4140</b> | <b>4840</b> | <b>5610</b> | <b>6270</b> | <b>5980</b> | <b>6040</b> | <b>6030</b> | <b>6340</b> | <b>5860</b> | <b>6280</b> |                    |

|                          |              |
|--------------------------|--------------|
| <b>Gross Total (Kg.)</b> | <b>63890</b> |
|--------------------------|--------------|

## Annexure VI

[illegible]

## Annexure VI

[illegible]



## Annexure VI

[illegible]

## Annexure VI

[illegible]

## Annexure VI

[illegible]

## Annexure VI

[illegible]



## Annexure VI

[illegible]

## Annexure VI

[illegible]

## Annexure VI

[illegible]

## Annexure VI

[illegible]

## Annexure VI

[illegible]



## R.O. Water Analysis Report

## Annexure VI

[illegible]

**Expenditure towards environmental protection including  
abatement of pollution, prevention of pollution**

**Annexure VII**

| <b>S. No.</b> | <b>Particular</b>                                                                 | <b>Expenses (INR)</b> |
|---------------|-----------------------------------------------------------------------------------|-----------------------|
| 1             | RO Plant System upgradation of existing water handling system (CAPEX)             | 64,01,535             |
| 2             | Operation & Maintenance of the RO system & pumps and water tanker services (OPEX) | 2,57,95,309           |
| 3             | Environmental Monitoring                                                          | 11,58,993             |
| 4             | Waste Management                                                                  | 16,81,024             |
| 5             | Toxicology Analysis of Drill Cuttings                                             | 1,22,988              |
| 6             | Green belt development                                                            | 4,89,649              |
| <b>Total</b>  |                                                                                   | <b>3,56,49,498</b>    |

| Item Code         | Item                     | Description | Quantity | Weight/unit | Net Weight | UOM | HSN Code | Price/UOM (inclusive of applicable taxes) | Total Price ( inclusive of applicable taxes) |
|-------------------|--------------------------|-------------|----------|-------------|------------|-----|----------|-------------------------------------------|----------------------------------------------|
| ITEW2             | CPU (missing components) |             | 56       | 5.90        | 330.40     | Pcs | 85481090 | 247.80                                    | 13876.80                                     |
| ITEW2             | Keyboard                 |             | 25       | 0.60        | 15.00      | Pcs | 85481090 | 5.90                                      | 147.50                                       |
| ITEW2             | SMPS (Power Supply)      |             | 11       | 0.80        | 8.80       | Pcs | 85481090 | 31.86                                     | 350.46                                       |
| ITEW2             | TFT Monitor              |             | 24       | 2.80        | 67.20      | Pcs | 85481090 | 106.20                                    | 2548.80                                      |
| ITEW2             | UPS                      |             | 29       | 6.00        | 174.00     | Pcs | 85481090 | 200.60                                    | 5817.40                                      |
| ITEW6             | Printer                  |             | 2        | 5.00        | 10.00      | Pcs | 85481090 | 62.54                                     | 125.08                                       |
| ITEW1 (Mainframe) | Network Device           |             | 2        | 2.30        | 4.60       | Pcs | 85481090 | 118.00                                    | 236.00                                       |
| ITEW3             | Laptop                   |             | 56       | 2.50        | 140.00     | Pcs | 85481090 | 2277.40                                   | 127534.40                                    |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             |            |     |          |                                           |                                              |
|                   |                          |             |          |             | 750        |     |          |                                           | 150636.44                                    |

I hereby declare that I will receive/have received Rs. 150636.44 in the form of Cheque/NEFT/RTGS/DD/IMPS/Cash on 02-09-2022 for the above mentioned items.

|                                              |                                                                                     |                                                                                      |                                                                                       |                                                                                       |                                                                                       |
|----------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| How would you like to rate our pick-up here? |  |  |  |  |  |
|                                              | Poor                                                                                | Bad                                                                                  | Neutral                                                                               | Good                                                                                  | Excellent                                                                             |

|                  |                                                      |
|------------------|------------------------------------------------------|
|                  |                                                      |
| Signed Above for | Essar Oil and Gas Exploration and Production Limited |

GSTIN: 19AADCH4384E1Z1

CPCB REGISTRATION NO.: B-29016(12)/(PRO)/18/WM-III Division



*Abir Roy*  
07/05/2022

|                  |                              |
|------------------|------------------------------|
|                  |                              |
| Signed Above for | Hulladek Recycling Pvt. Ltd. |



Hulladek Recycling Pvt. Ltd

Regd office : 4, DL Khan road, Flat B-401, 4th Floor, Kolkata-700025

PRO Collection Centre : 135 Foreshore Road , Godown No. 26B/1, Shibpur, Howrah - 711102

**Form 6**  
(see Rule 19)

**E-WASTE MANIFEST**

**Copy 1: Sender's Copy**

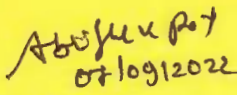
|    |                                                                                                                                                                                         |                                                                                                                                                                                                                                      |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1  | Sender's Name and mailing address (including Phone No.)                                                                                                                                 | Essar Oil and Gas Exploration and Production Limited, Essar House - Durgapur Village & Post Office - Molandighi, Block:- Kanksa Durgapur Sub-Division, Dist. - Paschim Bardhaman Durgapur 713212   West Bengal   India    7407490013 |
| 2  | Sender's Authorisation No., if applicable                                                                                                                                               | N/A                                                                                                                                                                                                                                  |
| 3  | Manifest document No.                                                                                                                                                                   | 1901/22-23/09004                                                                                                                                                                                                                     |
| 4  | Transporter's Name and address (including Phone No.)                                                                                                                                    | Self, 4, D. L. Khan Road, Kolkata - 700 025..9903028800                                                                                                                                                                              |
| 5  | Type of Vehicle                                                                                                                                                                         | <input checked="" type="checkbox"/> Truck <input type="checkbox"/> Tanker <input type="checkbox"/> Special Vehicle <input type="checkbox"/> Other                                                                                    |
| 6  | Transporter's Registration No.                                                                                                                                                          | B-29016(12)/(PRO)/18/WM-III Division                                                                                                                                                                                                 |
| 7  | Vehicle Registration No.                                                                                                                                                                | WB 11 D 9225                                                                                                                                                                                                                         |
| 8  | Receiver's Name and address (including Phone No.)                                                                                                                                       | Hulladek Recycling Private Limited.<br>4, D. L. Khan Road, Kolkata - 700 025. Ph.                                                                                                                                                    |
| 9  | Receiver's Authorisation No., if applicable                                                                                                                                             | B-29016(12)/(PRO)/18/WM-III Division                                                                                                                                                                                                 |
| 10 | Description of E-waste (Item.Weight/Numbers)                                                                                                                                            | ITEW2 -                                                                                                                                                                                                                              |
| 11 | Description of E-waste (Item.Weight/Numbers) (Producer or Bulk Consumer or Collection Centre or Producer Responsibility Organisation or Dismantler or Recycler)<br><br>Date: 07/09/2022 | <br><br>Stamp & Signature                                   |
| 12 | Transporter's Acknowledgement of Receipt of E-waste<br><br>Date: 07/09/2022                                                                                                             | <br>Stamp & Signature                                                                                                                            |
| 13 | Name and Stamp of Receiver (Collection Centre or Producer Responsibility Organisation or Dismantler or Recycler)<br><br>Date: 07/09/2022                                                | <br>Stamp & Signature                                                                                                                            |

Table – A Detailed List of Material

| SI.NO. | Description           | Quantity        |
|--------|-----------------------|-----------------|
| 1      | CPU                   | 56 Nos.         |
| 2      | Laptop                | 56 Nos.         |
| 3      | Monitor               | 24 Nos.         |
| 4      | Offline Desktop UPS   | 29 Nos.         |
| 5      | CPU SMPS              | 11 Nos.         |
| 6      | - Printer             | 2 Nos.          |
| 7      | Networking Device     | 2 Nos.          |
| 8      | Desktop Keyboard      | 25 Nos.         |
|        | <b>TOTAL QUANTITY</b> | <b>205 Nos.</b> |

M.C.S

-22

-20

8+3

Security Sign.  
H. J. J. J.  
Abdul Karim