



# KANDLA PORT TRUST

By Regd A.O. Post

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[www.kandla port.gov.in](http://www.kandla port.gov.in)

ISO 9001:2008 & ISO 14001:2004

MR/GN/1527 (Part - I)/

Date: 27/04/2015

To,  
The Member Secretary,  
Gujarat Pollution Control Board,  
Paryavaran Bhavan,  
Sector 10 - A,  
Gandhinagar - 382 010

**Subject:** Submission of Environmental Statement in form V for the year 2014 - 2015 -  
Reg.

**Reference:** 1) KPT Letter No. MR/ GN/ 1527 (Part I)/535 Dated: 16/06/2012.  
2) KPT Letter No. MR/GN/1527 (Part - I)/2011 Dated: 20/05/2013.  
3) KPT Letter No. MR/GN/1527 (Part - I)/337 Dated: 17/05/2014.

Sir,

It is requested to kindly refer above cited subject.

In this connection, it is to state that Kandla Port Trust had obtained Consent from GPCB vide Order No. AWH - 43365 date of issue 8/09/2011 valid up to 21/07/2015 for Kandla Port area and GPCB vide order no. AWH - 60691 dated 24/02/2014 has issued amendment in consent order 8/09/2011 due to addition of cargo berth No. 13<sup>th</sup> and 15<sup>th</sup> to existing Kandla Port berths. Further, kandla Port had also obtained Consent for STP at Residential Colony area, New kandla vide order No. W - 61508 dated 2/04/ 2014.

In this regard, earlier, KPT vide above referred letters dated 16/06/2012 (for the year 2011 - 12), 20/05/2013 (for the year 2012 - 13), 17/05/2014 (for the year 2013 - 14) had submitted annual Environmental Statement in Form V to GPCB as per norms.

Now, please find enclosed herewith Environmental Statement for Kandla Port Trust in form V for the year 2014 - 2015 (**Annexure - A**). Further, Environmental Statement for Cargo Berth No. 13<sup>th</sup> & 15<sup>th</sup> in form V for the year 2014 - 2015. (**Annexure - B**)

This is for kind information and record, please.

**Encl. As Above**

Yours Faithfully,

  
Chief Engineer  
Kandla Port Trust

# Annexure A

[FORM – V]

(See rule 14)

From:  
Kandla Port Trust  
Administration building  
KPT, Gandhidham  
Kutchh 370207

To,  
Gujarat Pollution Control Board  
Block no.10A,  
Gandhinager

Environmental Statement for the financial year ending the 31<sup>st</sup> March 2015  
PART – A

- (i) Name and address of the owner/occupier of the industry operation or process.  
Name : R. Murugadoss  
Chief Engineer  
Kandla Port Trust  
Address : Administration Office Building,  
Kandla Port Trust, Gandhidham  
Kutchh 370201
- (ii) Industry category:  
Primary ----(STC code)  
Secondary.----- (SIC Code) **Major port under the Administrative control of  
Ministry of Shipping, GOI**
- (iii) Production capacity.----Units---- NA
- (iv) Year of establishment : 8<sup>th</sup> April, 1955
- (v) Date of the last environmental statement submitted: 2013 – 2014

Submission of Environmental Statement is in accordance with the provisions of Rule-14 of the Environment (Protection) Amendment Rules, 1993 of the Environment (Protection) Act, 1986 (29 of 1986) published vide Notification dated 22-4-1993 G. S. R. 386 (E) in the Gazette of India – Extraordinary – Part – II Section-3 Subsection (i), No. 155 dated 28-4-1993 by the Ministry of Environment and Forests, Government of India; readwith the Notification dated 13-2-1993 G. S. R. 329 (E) of the Gazette of India – Extraordinary Part – II Section-3 Subsection (i) No. 120 dated 13-3-1993.

"Every person carrying on an industry, operation or process requiring Consent under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 (6 of 1974) or under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981 (14 of 1981) or both or authorization under the Hazardous Wastes (Management and Handling) Rules, 1989 Published under the Environment (Protection) Act, 1986 (29 of 1986) shall submit an Environmental Statement for the financial year ending the 31<sup>st</sup> March in Form V to the concerned State Pollution Control Board on or before the Thirtieth day of September every year, beginning 1993."

PART – B

Water and Raw Material Consumption

- (1) Water consumption m<sup>3</sup>/d: **922.10** m<sup>3</sup>/day.  
 Process  
 Cooling  
 Domestic

Name of Products	Process water consumption per unit of product output.	
	During the previous financial Year	During the Current financial Year
(1) Domestic	<b>591700 m<sup>3</sup>/annum</b>	<b>336570 m<sup>3</sup>/annum (Annexure I)</b>

ii) Raw Material Consumption

*Name of raw materials	Name of products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
<b>Not Applicable</b>			

\*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)

1) Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
a) Water b) Air	<b>600 m<sup>3</sup>/day</b>	<b>Copy of revalent pages of Environmental Audit report</b>	As mentioned in the annex:II.

		<b>for the year 2014 carried out by M/s Darshan Institute of Engineering &amp; Technology, Rajkot (Shedule-1) Environmental Auditors recognized by GPCB placed at Annex II</b>	
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PART – D

Hazardous Wastes

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

Hazardous Waster	Total Quantity (MT)	
<b>Used oil/ Waste Residue containing oil</b>	During the previous Financial Year	During the current Financial year
	1904.82 MT	3568. 22 MT (Annexure III)

- a) From process
- b) From pollution control facilities

PART – E  
Solid Wastes

	Total Quantity(Kg)	
	during the previous financial year	during the current financial year
<ul style="list-style-type: none"> <li>(a) From process</li> <li>(b) Form pollution control facility</li> <li>(c) (1) Quantity recycled or re-utilized within the unit</li> <li>(2) Sold :</li> <li>(3) Disposed:</li> </ul>	<b>1404.195 MT</b>	<b>1986.79 MT (Annexure IV)</b>

## PART – F

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

### **HAZARDOUS WASTE**

Companies authorized by Central Pollution control Board (CPCB) and State Pollution Control Board (SPCB) has been awarded the work of collection and disposal of Hazardous Waste by the KPT. Thus Hazardous waste collected is safely and securely disposed off.

### **SOLID WASTE**

1. Garbage facility is provided as per MARPOL 73/78, to the vessel berthed at KPT. Companies authorized by Central Pollution control Board (CPCB) and State Pollution Control Board (SPCB) has been awarded the work of collection and disposal of Hazardous and Solid Waste by the KPT
2. Township garbage collected and dumped at designated location near West gate 1, landfill area.

## PART – G

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

**Not Applicable**

## PART – H

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

Enclosed at **ANNEX V**

## PART – I

### **Any other particulars for improving the quality of the environment.**

- 1) Kandla Port Trust has planted trees in road side dividers, colony areas at Kandla and Gopalpuri, Gandhidham & Adipur Township, Sewage Treatment Plant and Port area at Kandla. Kandla Port Trust had planted 4000 trees in and surrounding Kandla and Gandhidham area. Further, Kandla Port Trust is planting 4000 trees at surrounding Kandla Port area.
- 2) The work related to construction of Protection wall with wind screen to prevent coal dust deposition in buildings has already completed during the year 2011 - 2012.
- 3) 50 tank Lorries of water is being sprayed on the coal cargo on an average every day.

- 4) Continuous water sprinkling have been carried out on the top of the heap at regular intervals to prevent dusting, fire & smoke.
- 5) All trucks before leaving the storage yard have been covered with tarpaulin and also that trucks are not over loaded as well as there is no spillage during transportation and there is adequate space for free movement of vehicles at the surrounded area.
- 6) KPT has constantly improving the house keeping in the yard and nearby approved areas leading to roads. Adequate steps under the provisions of Air (Prevention and control of pollution) Act 1981, Environment Protection Act 1986 are taken.

As a result of the above measures, the air pollution and burning of coal in the Port has been controlled significantly now. In addition to the following long term measures are being taken through Kandla Port Trust.

- Erection of wind shield/curtains around the 34/66 hector plots where coal/ rock phosphate and other polluting bulk cargoes are stored.
- 7) **Mangroves Plantation has been carried out by KPT in an area of 1000 hectares till date.**

**Following plantation has been undertaken by KPT.**

<b>Sr. No.</b>	<b>Years of Plantation</b>	<b>Area in Hectares</b>	<b>Through the Agency</b>
1	2005 – 2006	20	Kandla Port Trust (M/S Gujarat Ecology Commission)
2	2008 – 2009	50	Kandla Port Trust (M/S Gujarat Ecology Commission)
3	2010 – 2011	100	Kandla port Trust (M/S Gujarat Ecology Commission)
4	2011 – 2012	200	Kandla Port Trust ( Forest Department, GoG)
5	2012 – 2013	300	Kandla Port Trust ( Forest Department, GoG)
6	2013 – 2014	330	Kandla Port Trust ( Forest Department, GoG)
	<b>TOTAL</b>	<b>1000</b>	

Further, Kandla Port Trust has signed the MoU with Gujarat Ecology Commission, GoG during Vibrant Gujarat Summit 2015 on 13<sup>th</sup> January, 2015 for Mangrove Plantation in an area of 300 Ha. with consultation of Gujarat Ecology Commission, GoG.

  
R. M. Jugale  
Chief Engineer,  
Kandla Port Trust





**Annexure: I**

**Annually Water Consumption at Kandla Port**  
**Trust**

<b>Sr. No</b>	<b>Months</b>	<b>Water Consumption During Port Operation</b>
<b>1</b>	April. – 2014	19750
<b>2</b>	May – 2014	10820
<b>3</b>	June – 2014	27000
<b>4</b>	July – 2014	38190
<b>5</b>	August – 2014	25690
<b>6</b>	September – 2014	23650
<b>7</b>	October – 2014	23530
<b>8</b>	November – 2014	26410
<b>9</b>	December – 2014	33240
<b>10</b>	January – 2015	34930
<b>11</b>	February – 2015	33310
<b>12</b>	March – 2015	40050
	<b>TOTAL</b>	<b>336570 M<sup>3</sup> / Annual</b>
	<b>Avg/Day</b>	<b>922.10 M<sup>3</sup>/ Day</b>

## Annexure II

EAR – Year 2014

Kandala Port Trust, Gandhidham-Kutch

### AMBIENT AIR QUALITY

Sr. No.	Parameter	15/04/2014	30/08/2014	16/12/2014	GPCB Standards
1	Behind Cargo Jetty				
	PM 10 $\mu\text{g}/\text{m}^3$	76.2	82.3	84.9	100
	PM 2.5 $\mu\text{g}/\text{m}^3$	48.4	39.7	40.2	60
	SOx $\mu\text{g}/\text{m}^3$	15.2	18	16	80
	NOx $\mu\text{g}/\text{m}^3$	12	13.5	10.8	80
2	At STP				
	PM 10 $\mu\text{g}/\text{m}^3$	36.2	32.5	31.1	100
	PM 2.5 $\mu\text{g}/\text{m}^3$	22.2	26.3	28.9	60
	SOx $\mu\text{g}/\text{m}^3$	12.6	15.3	13.7	80
	NOx $\mu\text{g}/\text{m}^3$	8.7	6.2	9.8	80
3	Oil Jetty Terrace				
	PM 10 $\mu\text{g}/\text{m}^3$	56.3	60.1	58.6	100
	PM 2.5 $\mu\text{g}/\text{m}^3$	30.1	28.7	28.3	60
	SOx $\mu\text{g}/\text{m}^3$	13.5	14.2	14.9	80
	NOx $\mu\text{g}/\text{m}^3$	9.1	9.6	10.8	80

## FLUE GAS STACK ANALYSIS

Sr. No.	Parameter	15/04/2014	30/08/2014	16/12/2014	GPCB Standards
1	D. G. Set -1				
	PM mg/NM <sup>3</sup>	103.5	92.8	100.3	150
	SOx ppm	50.3	55.8	63.2	100
	NOx ppm	19.2	19.5	21.0	50
2					
	PM mg/NM <sup>3</sup>	100.5	94.5	98.3	150
	SOx ppm	55.6	68.4	62.2	100
	NOx ppm	18.2	17.5	19.5	50

## STP ANALYSIS

Sr. No.	Parameter	Unit	GPCB Standards (outlet)	Results		
				15/04/2014 Outlet	30/08/2014 Outlet	16/12/2014 Outlet
1	TSS	mg/lit	30	17	15.2	16.8
2	BOD(5 days 20 <sup>o</sup> C)	mg/lit	20	18	13.8	16.4
3	Residual Chlorine	mg/lit	0.5	0.3	0.26	0.32




### Annexure III

#### MARINE DEPARTMENT

Sub: Annual Return showing the collection & disposal of Hazardous & Non Hazardous Wastes carried out by various parties for the year -2015.

With reference to the above subject, the annual return showing the collection & disposal of Hazardous & Non Hazardous wastes as received from various parties for the year of <sup>2014-</sup>2015 are forwarded herewith for information and necessary action please.

Encl :- As above

  
16/4  
P.A. to Deputy Conservator  
Kandla Port Trust

Environment Cell - through SE(D) & EMC(I/c)

No.MR/WK/1124/ 103 Lf

Dated : 16/4/2015



1153 (0)  
16.4.15

  
XEM(CO) / Shri Panchajanya  
EMC  
16/4/15

**KANDLA PORT TRUST  
MARINE DEPARTMENT**

**Statement of Hazardous Waste disposal from the  
vessels at Kandla & Vadinar Port**

**YEAR 2014-15**

Sr. No.	MONTH	YEAR	Transferred/Disposal (in Metric Tonnes)	Remarks
1	APRIL	2014	233.76	
2	MAY	2014	156.54	
3	JUNE	2014	347.97	
4	JULY	2014	616.09	
5	AUGUST	2014	224.51	
6	SEPTEMBER	2014	558.87	
7	OCTOBER	2014	330.49	
8	NOVEMBER	2014	331.65	
9	DECEMBER	2014	157.40	
10	JANUARY	2015	195.87	
11	FEBRUARY	2015	224.49	
12	MARCH	2015	190.58	
	<b>TOTAL</b>		<b>3568.22</b>	

16/4/15

1153 (00)  
16.4.15

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ENC  
15/4/15

### **Annexure IV**

#### Annual Solid Waste Collection at Kandla Port Trust

<b>Sr. No</b>	<b>Months</b>	<b>Solid Waste in MT</b>
<b>1</b>	April. – 2014	114.87
<b>2</b>	May – 2014	189.27
<b>3</b>	June – 2014	170.29
<b>4</b>	July – 2014	141.04
<b>5</b>	August – 2014	229.05
<b>6</b>	September – 2014	197.41
<b>7</b>	October – 2014	214.61
<b>8</b>	November – 2014	181.14
<b>9</b>	December – 2014	244.23
<b>10</b>	January – 2015	141.21
<b>11</b>	February – 2015	141.07
<b>12</b>	March – 2015	22.60
	<b>TOTAL</b>	<b>1986.79 MT</b>

## **Annexure V**

### **Salient features of the environmental management plan:**

The details of existing EMP of Kandla Port Trust had furnished as under.

KPT has already completed Environmental Auditing for the year 2010, 2011 through M/S GITCO, Ahmedabad (Schedule I auditor of Gujarat Pollution Control Board), for the year 2012, 2013 through Center for Environmental Research, Vidhya bharti Trust, Umrakh (Schedule I auditor of Gujarat Pollution Control Board), and for the year 2014 through M/s Darshan Institute of Engineering & Technology, Rajkot (Schedule I auditor of Gujarat Pollution Control Board) and the Environmental parameters are within prescribed limit.

Waste management Plan already prepared by RRL, Thiruvananthapuram. K.P.T had awarded the work of removal of sludge, waste oil, Dirty Ballast, scrap, garbage etc. from vessels calling at Kandla Port through various GPCB / CPCB authorized firms. KPT awarded annual maintenance contract for collection of Hazardous waste, Bio-Medical waste through M.O.E.F and GPCB authorized company on authorized time period.

Kandla Port Trust had entrusted the work of Establishment of its Environmental Monitoring Laboratory (EML) with the equipments, chemicals and glassware to NIO, Goa completion of all formalities for installation of the same at Kandla Port Trust's environmental monitoring laboratory at cost of Rs. 1.5 lakhs. The installation of equipments, chemicals, glassware etc. was completed by N.I.O Goa is Rs. 29.25 lakhs and equipments, chemicals, glassware etc. in the month of June – 2006.

K.P.T. had awarded the work of manning operation and maintenance of EML at a cost of Rs. 4.8 lakhs per year and analysis of samples for assessment of some of the environmental parameters at a cost of Rs. 2 lakhs per year to RRL, Thiruvananthapuram on nomination basis for a period of 5 years.

K.P.T. had awarded the work of Preparation of waste management plan to Regional Research Laboratory, Thiruvananthapuram with amount of Rs. 9.20 lakhs.

KPT had awarded the work of preparation of oil spill contingency plan for proposed SPM at Veera to NIO, Goa. Further, KPT has signed MOU with Public Sector Oil

Companies IOC,BPCL ,HPCL for updating of existing Oil Spill Contingency Plan at Kandla. KPT

KPT has implemented ISO 14001:2004 program for the sustainable and better environmental work. All the departments are successfully trained for the auditing and implementation of Environmental Management Program at various level of work. An environmental consultant has been appointed for proper implementation of environmental aspects in Kandla Port.

KPT had undertaken mangrove plantation in an area of 1000 hectares and planning to undertake further mangrove plantation in an area of 550 hectares (300 Hectares by M/s Kandla Port Trust (Through Gujarat Ecology commission, GoG)and 250 Hectares by M/s AKBTPL). Mangrove plantation will be useful for coastal area, as it will protect soil erosion. It will bind the earth and will avoid cracking of soil during earthquake.

The work related to construction of protection wall with wind screen to prevent coal dust deposition on building is completed. Also, water sprinkling on coal is being attended. This will be useful for protecting the human health of people working at Kandla port area. Assessment of Environmental parameter and ambient air quality monitoring, solid waste management plan done for Kandla port trust through N.I.O , Goa, CSIR, Thiruvananthapuram. Upgraded Detail Disaster Management Plan for Kandla Port Trust has been prepared by M/s TELOS CONSULTANCY SERVICES (P) Ltd. Mumbai.

Kandla Port has adopted good housekeeping practice to control dust regularly. Also, Kandla Port Trust has planning to implement Housekeeping Policy, Parking Policy and Paper Policy at each level of offices for better Environmental improvement at Kandla Port Trust.



# Annexure B

FORM-V

ENVIRONMENTAL STATEMENT REPORT FOR YEAR

Industry Name : Berth No 13 Kandla Port Kandla

Berth No 13 Kandla Port Kandla : GPCB ID: 28494

PART-A

(i) Name and address of the owner/ : Mr. Girish Champanery  
Head (Safety & Technical)  
Berth No 13, Kandla Port, Kandla

Occupier of the industry, operation : Operation  
or process

(ii) Date of the last environmental :  
Audit report submitted : Not Applicable/ To be submitted by KPT

(iii) Production Capacity : Loading & Unloading Operation 2.00 MMTPA.

(iv) Year of Establishment : Commercial Operation Commence on 15.03.13

(v) Last Environment Statement Submitted: 17.10.2014

PART-B

WATER AND RAW MATERIAL CONSUMPTION

(i) Water consumption m<sup>3</sup>/d cooling: (Spraying): Not Applicable

Domestic: Average 1 KL per day

Process: NIL

Name of Products	Water consumption per unit of Products	
	During the previous Financial Year	During the current financial year
<b>Domestic</b>	Annual water consumption = 288 KL (Annexure A)	

(ii) Raw Material Consumption

Name of raw material consume	Name of products	Consumption of raw material per day
<b>Not Applicable</b>		



**PART-C**

Pollution discharges to environment/ unit of output.

(Parameter as specified in the consent issued)

(i) Pollution	Quality of pollutants Discharged (Mass/day)	Concentration of Pollutants discharges (mass/volume)	Percentage of variation from prescribed standards
a) Water	Very small amount of sewage is generated and it treated in soak pit.		
b) Air	(As per Bi monthly Environment monitoring report of October 2014 to March 2015 Ambient air quality: Report Attached		As per monitory carried out by prism Parameters are Within Limits.

**PART-D**

**(HAZARDOUS WASTES)**

Hazardous Wastes	Total quantity (kg)	
	During the previous financial year	During the current financial year
(a) From Process	There is no manufacturing or Chemical process involved for loading & unloading activity. Hence no hazardous waste is generated.	
(b) From pollution Control Facilities	N/A	

**PART-E**

**(SOLID WASTES)**

	Total quantity (kg)	
	During the previous financial year	During the current financial year
(a) From Pollution Control Equipment	N/A	
(b) From process	N/A	

**PART-F**

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

NIL



### PART-G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production. - Not Applicable

### PART-H

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

1. Regular maintenance of road to avoid dust generation.
3. Overloading is prohibited to avoid spillage of material on roads
4. Environmental activities like Green belt development are being carried as per plan.
5. Budget allocation for the year 2015-2016 for environmental safeguard activities.
  - a) Noise, water, air, & other parameter testing as per GPCB on monthly & quarterly basis: Rs. 300000
  - b) Operational cost of soak pit: Rs.400000
  - c) Plantation maintenance Rs.300000

### PART-I

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

1. RAS Infra Port Pvt. Ltd. Has planted trees in Near Porta Cabin, Admin Building, Parking area and fencing area at terminal and also planning for plantations. more than 100 plants & trees surrounding at terminal.

Prepared By - Jay Gadher  
Safety Officer-Berth No 13

Dated: 13.04.2015

For Berth No 13 Kandla Port Kandla

  
Mr. Girish Champanery  
Head (Safety & Technical)



**Annexure: A**

**Annually Water Consumption at Berth No. 13 Kandla port**

Sl. No.	Month	Quantity(In KL)
1	Apr-14	24
2	May-14	24
3	Jun-14	24
4	Jul-14	24
5	Aug-14	24
6	Sep-14	24
7	Oct-14	24
8	Nov-14	24
9	Dec-14	24
10	Jan-15	24
11	Feb-15	24
12	Mar-15	24
<b>Total</b>		<b>288 KL</b>



FORM-V  
ENVIRONMENTAL STATEMENT REPORT FOR YEAR 2014 - 2015.

INDUSTRY NAME:

JRE INFRA PVT LTD.

**PART-A**

- (i) Name and address of the owner/  
 Occupier of the industry, operation  
 or process : Mr Venkatesh H C  
 IMC Limited, Nr IOC Foreshore  
 Terminals, Nr Rly Crossing,  
 Kandla 370 210 - Gujarat
- (ii) Date of the last environmental  
 Audit report submitted : N.A
- (iii) Production Capacity : 2 MMTPA  
 (Transit handling of cargo)
- (iv) Year of Establishment : 2013
- (v) Last Environment Statement Submitted : N.A

**PART-B**

**WATER AND RAW MATERIAL CONSUMPTION**

- (i) Water consumption m<sup>3</sup>/d  
 Cooling: (Spraying) Nil
- Domestic 1 KL/Pd
- Process Nil

Name of Products	Water consumption per unit of Products	
	During the previous Financial Year	During the current financial year
Cargo Handling Operation's	No water required in during cargo operations. Domestic water consumption – 1 KL/Day Max.	

(ii) **Raw Material Consumption**

Name of raw material consume	Name of products	Consumption of raw material per day
N/A		


**PART-C**

Pollution discharges to environment/ unit of output.

(Parameter as specified in the consent issued)

(i) Pollution	Quality of pollutants Discharged (Mass/day)	Concentration of Pollutants discharges (mass/volume)	Percentage of variation from prescribed standards
a) Water	No effluent is discharged during vessel operation Process, since no water required in the process hence no STP required.		
b) Air	No gas of emission discharged, the operation process does not have any emission.		within limits Reports attached.

**PART-D**

(HAZARDOUS WASTES)

Hazardous Wastes	Total quantity (kg)	
	During the previous financial year	During the current financial year
	The operation process does not generate any hazardous waste.	

**PART-E SOLID WASTES**

	Total quantity (kg)	
	During the previous financial year	During the current financial year
	No Solid wastes generated from the operations.	

**PART-F**

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

No Hazardous waste or solid waste generated from the operations.


### PART-G

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

Not Applicable.

### PART-H

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

1. Continuous water spraying is done on haul roads.
2. Regular maintenance of haul road to avoid dust generation.
3. Overloading is prohibited to avoid spillage of material on haul roads.
4. Environmental activities like Green belt development are being carried on.

### PART-I

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

Prepared By

Dated: 15<sup>th</sup> April 2015.

For,

JRE INFRA PRIVATE LIMITED

Authorised Signatory

