Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2017

Company Information

Company Name	***Application UAN number***
RattanIndia Power Ltd. (formerly Known as India bulls Power Ltd.)	000

Address

Plot No. D2 & D2 (Part), Additional MIDC, Nandgaon Peth, Amravati

Plot no	***Taluka***	***Village***
D2 &D2 (PART)	NANDGAONPETH	WAGHOLI
Capital Investment (In lakhs)	***Scale***	***City***
Rs. 6882.28 Crore.	Large	Amravat
Pincode	***Person Name***	***Designation***
444901	Mohd. Shekh Nisar	General Manager
Telephone Number	***Fax Number***	***Email***
0721-3982587	0721-3982584	mohammad.nisar@rattanindia.com
Region	***Industry Category***	***Industry Type***
SRO-Amravati I	Red	R66 Power Generation Plants [Except Wind, Solar and Mini Hydel
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format 1.0/BO/CAC-Cell/EIC.No.AM-6689-15/CAC-14013	03.11.2015

Consent Valid Upto

31.08.2020.

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Electricity Genration	11826000.00	1874692	Mwh

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Nil	Nil	Nil	Mwh

1) Water Consumption in m3/day

Water Consumption for	***Consent Quantity in m3/day***	***Actual Quantity in m3/day***
Process	000	000
Cooling	111292	1494
Domestic	720	577
All others	1218	275
Total	113230	2346

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
TRADE EFFLUENT	24019	1314	CMD
DOMESTIC EFFLUENT	470	235	CMD

2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
ELECTRICITY GENRATION	2.56	2.63	Mwh

3) Raw Material Consumption (Consumption of raw material per unit of product)

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
COAL MT/MWH	0.60	0.589	Mwh
LDO ML/KWH	0.62	0.944	

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
FURNACE OIL	228000	0.000	MT/A
LDO	27700.00	1770.18	KL/A
COAL	6793051.50	1104390	MT/A

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

[A] Water

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
pH	0000	7.6	0	9.00	no deviation
TSS TOTAL SUSPENDED SOLID	0.004465	19.0	0	100	no deviation
BOD 3 DAYS	0.0025145	10.7	0	30	no deviation
COD	0.009823	41.8	0	250	no deviation

[B] Air (Stack)

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons		
	Quantity	Concentration	%variation	Standard	Reason
UNIT #1 SPTM/TPM	1008.006	31.86	00	50	no deviation
UNIT #1 SO2	20625.85	547.29	000	600	no deviation
UNIT #1 NOX	5797.136	187.86	000	300	no deviation
UNIT #2 SPTM/TPM	877.93	28.13	0000	50	no deviation
UNIT #2 SO2	20862.71	574.25	0000	600	no deviation
UNIT #2 NOX	5751.982	187.25	000	300	no deviation
UNIT #3 SPTM/TPM	860.09	28.00	000	50	no deviation
UNIT #3 SO2	22162.5	554.20	000	600	no deviation
UNIT #3 NOX	5817.362	181.60	000	300	no deviation

UNIT #4 SPTM/TPM	860.12	27.75	000	50	no deviation
UNIT #4 SO2	20696.85	552.75	000	600	no deviation
UNIT #4 NOX	5932.178	189.50	000	300	no deviation
UNIT #5 SPTM/TPM	891.98	29.17	000	50	no deviation
UNIT #5 SO2	19948.25	53.83	000	600	no deviation
UNIT #5 NOX	5542.49	177.50	000	300	no deviation

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used /spent oil	00	18.690	MT/A
0	000	127 Used Batteres	Nos./Y
0	000	570 Glass Wool	

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
34.3 Chemical sludge from waste water treatment	000	1.320	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Bottom Ash	170094.7	46272.3	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	963870.2	262209.7	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	000	000	

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

1) Hazardous Waste

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
5.1 Used /spent oil	18.690	MT/A	Water % Not More Than 10 %
34.3 Chemical sludge from waste water treatment	1320		Solid , Low Concentration of water
0	570		Glass Wool
0	127	Nos./Y	Used Batteres for recycled

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Fly Ash	262209.7	MT/A	Dry , Micro Particale Size
Bottom Ash	46272.3	MT/A	Water % High

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

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
Reused of Seepage water into Process make up - Cooling tower	960	144	144	10	10	0.5

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
15000 Numbers Sapling done in side the Plant	Reduction of CO2 & Particulate Matter	5
Making Bitumen Road inside the Plant Premises	Reduction of Secondary Emission	225

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Construction of RCC Road insdie the plant	Control of Secondary emission	200

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

Particulars

GREEN POWER CLEAN ENERGY

Name & Designation

MOHM NISAR , GM

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Form 4

See rules 6(5),13(8),16(6) and 20(2) of Hazardous and other wastes 2016

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board/pollution control committee by 30th June of every year for the preceeding period April to march]

1. Name of the generator/operator of facility	***Address of the unit/facility***
RattanIndia Power Ltd.	Plot No-D2 & D2(Part) Additional Industrial Area, MIDC,Nanadgaonpeth,Amravati-444901(MS)
1b. Authorization Number	***Date of issue***
Format 1.0/BO/CAC-Cell/EIC.No.AM-6689-15/CAC-14013	Nov 3, 2015
2. Name of the authorised person	***Full address of authorised person***
Mohm.Nisar Shekh	Plot No-D2 & D2(Part) Additional Industrial Area, MIDC,Nanadgaonpeth,Amravati-444901(MS)

Telephone	***Fax***	***Email***
07213982587	0721-3982584	mohammad.nisar@rattanindia.com

3.Production during the year (product wise), wherever applicable

Product Type *	***Product Name ****	***Quantity***	***UOM***
Power Generating plants (excluding D.G Sets)	Electricity Genration	Phase -I Unit 1 to 5 (5 x 270 MW)	MW

PART A: To be filled by hazardous waste generators

1. Total Quantity of waste generated category wise

Type of hazardous waste	***Wate Name***	***Quantity***	***UOM***
5.1 Used or spent oil	USED OIL/SPENT OIL	36.5	MTA
5.2 Wastes or residues containing oil	WASTE RESIDUE CONTAINING OIL	36.5	MTA
35.3 Chemical sludge from waste water treatment	ETP SLUDGE	365	MTA
	B4 (PART -B) of Sch.-II USED BATTERY	25	numbers/anum

2. Quantity dispatched category wise.

Type of Waste	***Quantity of waste***	***UOM***	***Dispatched to***	***Facility Name***
5.1 Used or spent oil	18.690	MTA	Recycler or Actual user	SAGAR INDUSTRIES,PLOT NO-E-16 PHASE-II MIDC,JALANA
35.3 Chemical sludge from waste water treatment	1.320	MTA	Disposal Facility	MAHARASHTRA ENVIRO POWER LTD,BUTIBORI,DIST:-NAGPUR
	127	numbers/anum	Co-processors or pre-processor	GURU STORAGE BATTERIES ,PLOT NO-122,PILI NADI INDUSTRIAL AREA WANJARA LAY OUT , NAGPUR 440026.
	0.570 GLASS WOOL	MTA	Disposal Facility	MAHARASHTRA ENVIRO POWER LTD,BUTIBORI,DIST:-NAGPUR

3. Quantity Utilised in-house,If any

Type of Waste	*Name of Waste*	*Quantity of Waste*	*UOM*
5.1 Used or spent oil	USED OIL/SPENT OIL	NIL	KL/Anum
5.2 Wastes or residues containing oil	WASTE RESIDUE CONTAINING OIL	NIL	KL/Anum
35.3 Chemical sludge from waste water treatment	ETP SLUDGE	NIL	KL/Anum
	NIL	NIL	KL/Anum

4. Quantity in storage at the end of the year

Type of Waste	*Name of Waste*	*Quantity of Waste*	*UOM*
5.1 Used or spent oil	USED OIL/SPENT OIL	NIL	KL/Anum
5.2 Wastes or residues containing oil	WASTE RESIDUE CONTAINING OIL	NIL	KL/Anum
35.3 Chemical sludge from waste water treatment	ETP SLUDGE	NIL	KL/Anum

PART B: To be filled bt Treatment,storage, and disposal facility operators

1.Total Quantity received	*UOM*
NA	KL/Anum

2. Quantity in stock at the beginning of the year	*UOM*
NA	KL/Anum

3. Quantity treated	*UOM*
NA	KL/Anum

4. Quantity disposed in landfills as such and after treatment

Direct landfilling	*UOM*
NA	KL/Anum

Landfill after treatment	*UOM*
NA	KL/Anum

5. Quantity incinerated (if applicable)	*UOM*
NA	KL/Anum

6. Quantiry processed other than specified above	*UOM*
NA	KL/Anum

7. Quantity in storage at the end of the year.	*UOM*
NA	KL/Anum

PART C: To be filled by recyclers or co-processors or other users

1. Quantity of waste received during the year

Waste Name/Category	*Quantity of waste received from domestic sources*	*Quantity of waste imported(If any)*	*Units*
NA	NA	NA	KL/Anum

2. Quantity in stock at the beginning of the year

Waste Name/Category	*Quantity*	*UOM*
NA	NA	KL/Anum

3. Quantity of waste recycled or co-procesed or used

Name of Waste	*Type of Waste*	*Quantity*	*UOM*
NA	NA	NA	KL/Anum

4. Quantity of products dispatched (wherever applicable)

Name of product	***Quantity***	***UOM***
NA	NA	KL/Anum

5. Total quantity of waste generated

Waste name/category	***quantity***	***UOM***
NA	NA	KL/Anum

6. Total quantity of waste disposed

Waste name/category	***quantity***	***UOM***
NA	NA	KL/Anum

7. Total quantity of waste re-exported (If Applicable)

Waste name/category	***quantity***	***UOM***
NA	NA	KL/Anum

8. Quantity in storage at the end of the year

Waste name/category	***quantity***	***UOM***
NA	NA	KL/Anum

Personal Details

Place	***Date***	***Designation***
AMRAVATI	2017-04-28	General Manager