Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2020

Unique Application Number	Submitted Date
MPCB-ENVIRONMENT_STATEMENT-0000029100	30-09-2020

Company Information

Company Name	Application UAN number
RATTANINIDA POWER LTD	000

Address

PLOT NO D2 AND D2(PART) ADDITIONAL INDUSTRIAL AREA MIDC NANDGAONPETH AMRAVATI

Plot no	Taluka	Village
D2 AND D2(PART)	AMRAVATI	WAGHOLI
Capital Investment (In lakhs)	**Scale**	**City**
688228.00	LARGE	AMRAVATI
Pincode	**Person Name**	**Designation**
444901	MR.MOHAMAD NISAR	GM
Telephone Number	**Fax Number**	**Email**
9766699050	NA	mohammad.nisar@rattanindia.com
Region	**Industry Category**	**Industry Type**
SRO-Amravati I	Red	R48 Thermal Power Plants
Last Environmental statement submitted online	**Consent Number**	**Consent Issue Date**
yes	Format 1.0/BO/CAC-Cell/ETC 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 Generation	11858400	3196000	Mwh

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	NA	NA	

1) Water Consumption in m3/day

Water Consumption for	Consent Quantity in m3/day	Actual Quantity in m3/day
Process	111292	20962
Cooling	NA	NA
Domestic	720	232
All others	1218	381
Total	113230	21575

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Trade Effluent	24019	2370	CMD
Domestic Effluent	470	87	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 GENERATION	2.49 M3/MWh	2.47 M3/MWh	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	0.577 MT/MWh	0.611MT/MWh	Mwh
LDO	0.361 ML/KWh	0.763 ML/KWh	Mwh

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
COAL	6699996	1954761.7	MT/A
LDO	27700	2439.131	KL/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
TSS-STP TREATED WATER	1.3	15.2	0	50	No Deviation
BOD 3 DAY -STP TREATED WATER	0.8	9.6	0	30	No Deviation
COD -STP TREATED WATER	2.1	24	0	250	No Deviation
TDS-ETP TREATED WATER	26.4	510	0	2100	No Deviation
PH-ETP TREATED WATER	0	7.7	0	6.5-9.0	No Deviation
COD-ETP TREATED WATER	1.0	19.3	0	250	No Deviation
BOD-ETP TREATED WATER	0.2	4.5	0	30	No Deviation
CHLORIDE -ETP TREATED WATER	2.8	53.5	0	600	No Deviation
TSS -ETP TREATED WATER	0.7	13	0	100	No Deviation
pH-CONDENSAR COOLING TOWER WATER	0	7.8	0	6.5-8.5	No Deviation
TEMP-CONDENSAR COOLING TOWER	0	3.6	0	Not More Than 5 Deg.Cel.	No Deviation
FREE AVAILABLE CHLORINE-CONDENSAR COOLING TOWER	0	0.1	0	0.5	No Deviation
TSS-BOILER BLOWDOWN	0.4	5.3	0	100	No Deviation
O&G-BOILER BLOWDOWN	0.0213	0.3	0	10	No Deviation
COPPER (TOTAL)-BOILER BLOWDOWN	0	0	0	1	No Deviation

IRON(TOTAL)-BOILER BLOWDOWN	0.0142	0.2	0	1	No Deviation
FREE AVAILABLE CHLORINE -COOLING TOWER BLOW DOWN	0.187	0.10	0	0.5	No Deviation
CHROMIUM (TOTAL) -COOLING TOWER BLOWDOWN	0.187	0.10	0	0.2	No Deviation
PHOSPHATE-COOLING TOWER BLOW DOWN	3.73	2.0	0	5	No Deviation
pH-DM PLANT EFFLUENT	0	8.0	0	5.5-9.0	No Deviation
SUSPENDED SOLID-DM PLANT EFFLUENT	3.6	9.4	0	100	No Deviation
O&G-DM PLANT EFFLUENT	0	0	0	10	No Deviation
BOD 3DAY-DM PLANT EFFLUENT	3.1	8.1	0	30	No Deviation
COD -DM PLANT EFFLUENT	10.3	27.1	0	250	No Deviation
TDS-DM PLANT EFFLUENT	274.5	720.0	0	2100	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#1PM	1340.73	46	0	50	No Deviation
UNIT#1 SO2	16865	580	0	600	No Deviation
UNIT#1 NOX	6734.81	231	0	300	No Deviation
UNIT#2PM	1195.955	41	0	50	No Deviation
UNIT#2 SO2	16520	572	0	600	No Deviation
UNIT#2 NOX	6971.61	241	0	300	No Deviation
UNIT#3 PM	1295.18	43	0	50	No Deviation
UNIT#3 SO2	17764	586	0	600	No Deviation
UNIT#3 NOX	7195.09	237	0	300	No Deviation
UNIT#4 PM	1327.93	43.75	0	50	No Deviation
UNIT#4 SO2	17775.63	585.63	0	600	No Deviation
UNIT#4 NOX	7233.03	238.25	0	300	No Deviation
UNIT#5 PM	1313.278	43	0	50	No Deviation
UNIT#5 SO2	18029	586	0	600	No Deviation
UNIT#5 NOX	7431.654	241	0	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 or spent oil	17.6	0	MT/A
Other Hazardous Waste	0.72 Glass Wool	0.380 Glass Wool	MT/A
Other Hazardous Waste	0.020 ETP Sludge CAT No:-34.4	0.290 ETP Sludge CAT No:-34.4	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	***Total During Previous Financial year***	***Total During Current Financial year***	***UOM***
Other Hazardous Waste	0.020 ETP Sludge CAT No:-34.4	0.290 ETP Sludge CAT No:-34.4	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
BOTTAM ASH	121484.085	123568	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	705431.915	507057	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	00	0	MT/A

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
Other Hazardous Waste	0.290 ETP Sludge CAT No:-34.4	MT/A	Solid , Low Concentration of Water
Other Hazardous Waste	0.380 Glass Wool	MT/A	Glass Wool

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
FLY ASH	507057	MT/A	Dry Micro Partical Size
BOTTOM ASH	123568	MT/A	Wet and Granual Mode

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)
0	0	0	0	0	0	0

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)
13800 Sapling Done in side the Plant Primises	To Control CO2 and SPM/TPM	5

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
7500 Sapling to be Done in side the Plant Primises	To Control CO2 and SPM/TPM	3

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

Particulars

Committed for Green Energy and Clean Energy

Name & Designation

Mohammad Nisar & GM (Environment)