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***	
M/s. Serene Properties Pvt. Ltd	Not Applicable	
Address		
Plot No. 3 TTC Industrial area of MIDC Airoli, Navi Mumbai, Maharashtra		
Plot no	***Taluka***	***Village***
Plot No. 3	Thane	Airoli
Capital Investment (In lakhs)	***Scale***	***City***
67912	Large Scale Industry (L.S.I.)	Navi Mumbai
Pincode	***Person Name***	***Designation***
400708	Pramod Cherat	Senior Manager
Telephone Number	***Fax Number***	***Email***
26564909	26564000	pcherat@matrixindia.co.in
Region	***Industry Category***	***Industry Type***
SRO-Navi Mumbai II	Red	R5 DG Set of capacity > 5 MVA
Last Environmental statement submitted online	***Consent Number***	***Consent Issue Date***
yes	Format 1.0/BO/CAC-cell/EIC-NM-5416-14/R/CAC-915	28/01/2015
Consent Valid Upto		
31/10/2014 – 28/02/2017		

Product Information

Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Not Applicable - IT Park Projects	Not Applicable	Not Applicable	CMD

By-product Information

By Product Name	***Consent Quantity***	***Actual Quantity***	***UOM***
Not Applicable - IT Park Projects	Not Applicable	Not Applicable	CMD

1) Water Consumption in m3/day

Water Consumption for	***Consent Quantity in m3/day***	***Actual Quantity in m3/day***
Process	NIL	NIL
Cooling	NIL	NIL
Domestic	2294.5	763.97
All others	NIL	NIL
Total	2294.5	763.97

1) Effluent Generation in CMD / MLD

Particulars	***Consent Quantity***	***Actual Quantity***	***UOM***
Daily quantity of trade effluent from the factory	NIL	NIL	CMD

Daily quantity of sewage effluent from the factory	1759.0	576.80	CMD
Daily quantity of treated effluent	NA	438.38	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
Nor Applicable	Nor Applicable	Nor Applicable	CMD

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
Not Applicable - IT Park Project	Not Applicable	Not Applicable	CMD

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
HSD	12096	43.508	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
pH	-	6.83	-	-	Not applicable
Suspended Solids	16.34	28.33	43.34	50 mg/l	Not applicable
COD	54.64	94.72	5.28	100 mg/l	Not applicable
BOD @ 27°C for 3 Days	143.50	24.88	17.33	30 mg/l	Not applicable
Oil & Grease	2.56	4.44	-	-	Not applicable
Turbidity (NTU)	4.15	7.20	-	-	Not applicable
Total Hardness (as CaCO3)	76.82	133.18	-	-	Not applicable
Calcium (as Ca)	19.76	34.26	-	-	Not applicable
Chloride (as Cl)	141.39	245.14	-	-	Not applicable
Sulphate (as SO4)	59.07	102.42	-	-	Not applicable
Nitrite (as NO2)	0.76	1.32	-	-	Not applicable
Conductivity (µS/cm)	614.87	1066.00	-	-	Not applicable
TDS	523.31	907.27	-	-	Not applicable
Detergents (as MBAS)	0.45	0.78	-	-	Not applicable
Residual Free Chlorine	14.13	24.50	-	1 ppm	Not applicable
Feacal Coliform	547.96	950.00	-	-	Not applicable
Floating Matter	2.58	4.47	-	-	Not applicable
Total Alkalinity	39.34	68.20	-	-	Not applicable

[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***
DG Set No. 1 (1010 KVA) - Building No.1 - TPM	3.08	93.01	37.99	150 mg/Nm3	Not applicable
DG Set No. 1 (1010 KVA) - Building No.1 - SO2	13.85	418.78	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No.1 - NOx (21.16 ppm)	0.98	29.7	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 1 - TPM	1.34	64.49	57.01	150 mg/Nm3	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 1 - SO2	7.56	365.01	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 1 - NOx (12.51 ppm)	0.39	19.04	-	-	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 1 - TPM	1.79	74.11	50.59	150 mg/Nm3	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 1 - SO2	9.04	374.05	-	-	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 1 - NOx (15.03 ppm)	0.54	22.24	-	-	Not applicable
DG Set No. 4 (1010 KVA) - Building No. 1 - TPM	3.52	97.91	34.73	150 mg/Nm3	Not applicable
DG Set No. 4 (1010 KVA) - Building No. 1- SO2	15.45	429.74	-	-	Not applicable
DG Set No. 4 (1010 KVA) - Building No. 1- NOx (23.59 ppm)	1.19	33.2	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 2- TPM	2.28	83.03	44.65	150 mg/Nm3	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 2- SO2	10.82	393.4	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 2- Nox (17.3 ppm)	0.68	24.83	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 2- TPM	2.74	88.81	40.79	150 mg/Nm3	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 2- SO2	12.53	405.66	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 2- NOx (19.37 ppm)	0.85	27.57	-	-	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 2- TPM	1.39	65.91	56.06	150 mg/Nm3	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 2- SO2	7.74	367.73	-	-	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 2- NOx (12.8 ppm)	0.4	19.01	-	-	Not applicable
DG Set No. 4 (1010 KVA) - Building No. 2- TPM	3.15	94.1	37.27	150 mg/Nm3	Not applicable
DG Set No. 4 (1010 KVA) - Building No. 2- SO2	14.01	418.46	-	-	Not applicable
DG Set No. 4 (1010 KVA) - Building No. 2- NOx (21.55 ppm)	1.02	30.41	-	-	Not applicable

DG Set No. 1 (1010 KVA) - Building No. 3- TPM	1.84	75.18	49.88	150 mg/Nm3	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 3- SO2	9.19	375.04	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 3- NOx (15.28 ppm)	0.54	22.11	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 3- TPM	2.35	84.01	43.99	150 mg/Nm3	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 3- SO2	10.98	393.04	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 3- NOx (17.53 ppm)	0.7	25.09	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 4- TPM	3.35	96.05	35.97	150 mg/Nm3	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 4- SO2	14.83	425.27	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 4- NOx (22.54 ppm)	1.11	31.72	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 4- TPM	1.94	77.02	48.65	150 mg/Nm3	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 4- SO2	9.63	381.42	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 4- NOx (15.78 ppm)	0.57	22.77	-	-	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 4- TPM	2.44	85.46	43.03	150 mg/Nm3	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 4- SO2	11.41	398.84	-	-	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 4- NOx (17.96 ppm)	0.74	25.7	-	-	Not applicable
DG Set No. 4 (1010 KVA) - Building No. 4- TPM	1.42	66.63	55.58	150 mg/Nm3	Not applicable
DG Set No. 4 (1010 KVA) - Building No. 4- SO2	7.87	386.45	-	-	Not applicable
DG Set No. 4 (1010 KVA) - Building No. 4- NOx (13.01 ppm)	0.41	19.26	-	-	Not applicable
DG Set No. 1 (2000 KVA) - Building No. 5 & 6- TPM	4.97	106.28	29.15	150 mg/Nm3	Not applicable
DG Set No. 1 (2000 KVA) - Building No. 5 & 6- SO2	21.3	455.83	-	-	Not applicable
DG Set No. 1 (2000 KVA) - Building No. 5 & 6- NOx (30.78 ppm)1.99	1.99	42.51	-	-	Not applicable
DG Set No. 2 (2000 KVA) - Building No. 5 & 6- TPM	4.49	102.26	31.83	150 mg/Nm3	Not applicable
DG Set No. 2 (2000 KVA) - Building No. 5 & 6- SO2	19.95	453.99	-	-	Not applicable
DG Set No. 2 (2000 KVA) - Building No. 5 & 6- NOx (28.03 ppm)	1.71	39.02	-	-	Not applicable
DG Set No. 3 (2000 KVA) - Building No. 5 & 6- TPM	5.15	107.79	28.14	150 mg/Nm3	Not applicable
DG Set No. 3 (2000 KVA) - Building No. 5 & 6- SO2	22.01	460.85	-	-	Not applicable

DG Set No. 3 (2000 KVA) - Building No. 5 & 6- NOx (31.75 ppm)	2.09	43.73	-	-	Not applicable
DG Set No. 4 (2000 KVA) - Building No. 5 & 6- TPM	4.75	104.47	30.35	150 mg/Nm3	Not applicable
DG Set No. 4 (2000 KVA) - Building No. 5 & 6- SO2	20.28	446.38	-	-	Not applicable
DG Set No. 4 (2000 KVA) - Building No. 5 & 6- NOx (29.15 ppm)	1.84	40.47	-	-	Not applicable
DG Set No. 1 (1500 KVA) - Building No. 7- TPM	4.18	34.71	76.86	150 mg/Nm3	Not applicable
DG Set No. 1 (1500 KVA) - Building No. 7- SO2	3.65	30.26	-	-	Not applicable
DG Set No. 1 (1500 KVA) - Building No. 7- NOx (48.25 ppm)	5.61	46.51	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 7- TPM	4.05	38.6	74.27	150 mg/Nm3	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 7- SO2	3.17	30.28	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 7- NOx (54.35 ppm)	6.51	54.01	-	-	Not applicable
DG Set No. 3 (1500 KVA) - Building No. 7- TPM	4.82	39.16	73.89	150 mg/Nm3	Not applicable
DG Set No. 3 (1500 KVA) - Building No. 7- SO2	3.56	28.31	-	-	Not applicable
DG Set No. 3 (1500 KVA) - Building No. 7- NOx (59.31 ppm)	7.04	58.4	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 8- TPM	2.79	89.65	40.23	150 mg/Nm3	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 8- SO2	12.79	410.25	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 8- NOx (19.61 ppm)	0.87	27.91	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 8- TPM	1.47	67.76	54.83	150 mg/Nm3	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 8- SO2	7.91	364.99	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 8- NOx (13.34 ppm)	0.43	19.69	-	-	Not applicable
DG Set No. 3 (750 KVA) - Building No. 8- TPM	0.97	54.09	63.94	150 mg/Nm3	Not applicable
DG Set No. 3 (750 KVA) - Building No. 8- SO2	6.49	361.04	-	-	Not applicable
DG Set No. 3 (750 KVA) - Building No. 8- NOx (9.38 ppm)	0.26	14.21	-	-	Not applicable
DG Set No. 4 (750 KVA) - Building No. 8- TPM	0.9	51.63	65.58	150 mg/Nm3	Not applicable
DG Set No. 4 (750 KVA) - Building No. 8- SO2	6.13	351.33	-	-	Not applicable
DG Set No. 4 (750 KVA) - Building No. 8- NOx (9.02 ppm)	0.24	13.75	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 14- TPM	3.68	92.6	38.27	150 mg/Nm3	Not applicable

DG Set No. 1 (1010 KVA) - Building No. 14- SO2	13.62	343.11	-	-	Not applicable
DG Set No. 1 (1010 KVA) - Building No. 14- NOx (20.79 ppm)	1.17	29.42	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 14- TPM	3.46	97.11	35.26	150 mg/Nm3	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 14- SO2	15.16	425.94	-	-	Not applicable
DG Set No. 2 (1010 KVA) - Building No. 14- NOx (23.13ppm)	1.16	32.56	-	-	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 14- TPM	1.67	72.3	51.8	150 mg/Nm3	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 14- SO2	8.8	374.91	-	-	Not applicable
DG Set No. 3 (1010 KVA) - Building No. 14- NOx (14.46 ppm)	0.5	21.31	-	-	Not applicable

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	3065 (E- Waste IT & tele-communication equipment)	2209 (E- Waste IT & tele-communication equipment)	Kg/Annum

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used /spent oil	0.00	11.857	KL/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Wet Waste	800	464.67	MT/A
Dry Waste	1600	375.84	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Organic Waste Convertor (OWC)	80	20	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	NIL	NIL	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
0	2209 (E-waste-IT & telecommunication equipment)	Kg/Annum	100 % Solid (Disposal- Handed over to Go green Recycling)
5.1 Used /spent oil	11.857	KL/A	100% Oily (Disposal- Handed over to recycler Plus Lubricants)

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
Wet waste	464.67	MT/A	Semi Solid – (Disposal: Processed in OWC & used as manure)
Dry waste	375.84	MT/A	Solid – (Disposal: Sold to recyclers)

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)
Environmental Parameter Monitoring	0.00	0.00	0.00	0.00	2 Lakhs	0.00

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)
Maximum efforts have been put in to reduce emissions and wastages of materials. Emissions monitored have been found to be well within the limits.	Not Applicable	Not Applicable

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[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
The company maintains green belt around the site. The Company maintains a safe and healthy environment within the premises.	Not Applicable	Not Applicable

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

Particulars

The Company maintains a safe and healthy environment within the premises.

Name & Designation

Pramod Cherat (Senior Manager)