



# Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,

Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111

Phone : 91-712-2612162 T/Fax: 91-712-2612212 Email: [nagpur@mahabal.com](mailto:nagpur@mahabal.com)

## Ambient Air Quality Monitoring Report

<b>Report No.:</b> ME-NG05722-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057	<b>Order Reference:</b>	
		As per WO no.I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013	
<b>Sample Description/Type</b>	Ambient Air Quality Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Near-R-3 Gate	<b>Sample Quantity/Packing</b>	PM <sub>10</sub> :Filter paper: 1 X 1 No. PM <sub>2.5</sub> :Filter paper:1 X 1 No. SO <sub>2</sub> :30 mL X 2 No. PVC Bottle NO <sub>2</sub> :30 mL X 2 No. PVC Bottle
<b>Date of Sampling</b>	30.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	03.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

Parameter	Unit	Result	#NAAQM Standard	Method Reference
<b>Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)</b>				
<b>Location</b>	Near-R-3 Gate	<b>Duration of Survey</b>		08 hours
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	14.7	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	16.1	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	48	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	19	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
<b>Remarks: #- Standard for 24 h. monitoring</b>				

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

**TECHNICAL MANAGER**



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).
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Page 1 of 1

QF/SALE/03/Issue No 03 Dt 05.12.2019,Amd 01 Dt 01.03.2020

**Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra**  
 (600 m from Hotel Rukhmini Palace Turn Opp Toyota Show Room. Next to Ashida Electrical - near J B Sawant Bus Stop)  
**Phone: 2582 0658/ 3139/ 1663/ 3154 Fax: 91-22-25823543 [thane@mahabal.com](mailto:thane@mahabal.com)**

ULR-TC748720000005478F



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## Ambient Air Quality Monitoring Report

<b>Report No.:</b> ME-05723-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057	<b>Order Reference:</b>	
		As per WO no.I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013	
<b>Sample Description/Type</b>	Ambient Air Quality Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Near Main Gate	<b>Sample Quantity/Packing</b>	PM <sub>10</sub> :Filter paper: 1 X 1 No. PM <sub>2.5</sub> :Filter paper:1 X 1 No. SO <sub>2</sub> :30 mL X 2 No. PVC Bottle NO <sub>2</sub> :30 mL X 2 No. PVC Bottle
<b>Date of Sampling</b>	30.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	03.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

Parameter	Unit	Result	#NAAQM Standard	Method Reference
<b>Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)</b>				
<b>Location</b>	Near Main Gate	<b>Duration of Survey</b>		08 hours
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	12.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	16.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	50	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	24	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
<b>Remarks: #- Standard for 24 h. monitoring</b>				

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FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

**TECHNICAL MANAGER**



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**Phone: 2582 0658/ 3139/ 1663/ 3154 Fax: 91-22-25823543 [thane@mahabal.com](mailto:thane@mahabal.com)**

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## Ambient Air Quality Monitoring Report

<b>Report No.:</b> ME-05724-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057	<b>Order Reference:</b>	
		As per WO no.I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013	
<b>Sample Description/Type</b>	Ambient Air Quality Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Near R-4 Gate	<b>Sample Quantity/Packing</b>	PM <sub>10</sub> :Filter paper: 1 X 1 No. PM <sub>2.5</sub> :Filter paper:1 X 1 No. SO <sub>2</sub> :30 mL X 2 No. PVC Bottle NO <sub>2</sub> :30 mL X 2 No. PVC Bottle
<b>Date of Sampling</b>	30.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	03.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

Parameter	Unit	Result	#NAAQM Standard	Method Reference
<b>Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)</b>				
<b>Location</b>	Near R-4 Gate	<b>Duration of Survey</b>		08 hours
Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	17.6	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM <sub>10</sub>	µg/m <sup>3</sup>	50	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM <sub>2.5</sub>	µg/m <sup>3</sup>	21	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
<b>Remarks: #- Standard for 24 h. monitoring</b>				

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FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

**TECHNICAL MANAGER**



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ULR-TC748720000005480F



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Phone : 91-712-2612162 T/Fax: 91-712-2612212 Email: [nagpur@mahabal.com](mailto:nagpur@mahabal.com)

## Effluent Sample Analysis Report

<b>Report No.:</b> ME-NG05726-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020		
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057	<b>Order Reference:</b>		
		As per WO no.I Ven/Life Republic/Mahabal/01/ 2013-14 Dated 18 <sup>th</sup> Oct 2013		
<b>Sample Description/Type</b>	Sewage Effluent	<b>Sample Collected by</b>	Laboratory	
<b>Sampling Location</b>	STP Effluent Outlet -R-7	<b>Sample Quantity/Packing</b>	2 L X 1 No. PVC Can 100 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle 500mLX1No.Sterilized Glass Bottle	
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020	
<b>Sampling Procedure</b>	IS:3025(Part I):1987 RA 2003; APHA 22 <sup>nd</sup> Ed. 2012,1060-B, 1-39			
<b>Date of Start of Analysis</b>	01.06.2020	<b>Date of Completion of Analysis</b>	06.06.2020	
Sr. No.	Parameter	Unit	Result	Method Reference
<b>Discipline: Chemical Testing; Product Group: Pollution &amp; Environment(Waste Water)</b>				
1.	pH	-	7.0	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H <sup>+</sup> - B, 4-95
2.	Total Suspended Solids	mg/L	22	APHA 23 <sup>rd</sup> Ed. 2017, 2540-D, 2-70
3.	Biochemical Oxygen Demand (3 days 27°C)	mg/L	9.1	IS 3025 (Part 44): 1993, Reaffirmed 2009
4.	Chemical Oxygen Demand	mg/L	32	APHA 23 <sup>rd</sup> Ed. 2017, 5220-B, 5-18
5.	Oil and Grease	mg/L	N.D.	IS 3025 (Part 39): 1991, RA 2009, Amds.1
6.	Total Dissolved Solids	mg/L	510	IS 3025(Part 16):1984 RA 2006, Ed.2.1 (1999-12)
7.	*Total Kjeldahl Nitrogen	mg/L	1.34	APHA 23 <sup>rd</sup> Ed. 2017, 4500 NH <sub>3</sub> -B & C, 4-114, 4-116 or F 4-119 & 4500 N <sub>Org</sub> , B-4-139
8.	Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/L	0.259	APHA 23 <sup>rd</sup> Ed. 2017, 4500 NH <sub>3</sub> , F 4-119
9.	Phosphate as (P)	mg/L	0.065	APHA 23 <sup>rd</sup> Ed. 2017, 4500-P E, 4-164
<b>Discipline: Biological Testing; Product Group: Pollution &amp; Environment (Effluent&amp; Waste water)</b>				
10.	Faecal Coliforms	MPN /100mL	63	APHA 23 <sup>rd</sup> Ed. 2017, 9221 – B, C & E, 9-69, 9-72 & 9-77
<b>Remarks:</b> N.D. Not Detected; <b>The tests marked with an * are not accredited by NABL</b>				

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FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi  
**TECHNICAL MANAGER**  
(Chemical Testing)



Pranali Kurve  
**TECHNICAL MANAGER**  
(Biological Testing)

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ULR-TC74872000005482P



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## Effluent Sample Analysis Report

<b>Report No.:</b> ME-NG05727-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020		
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>	
			As per WO no.I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013	
<b>Sample Description/Type</b>	Sewage Effluent	<b>Sample Collected by</b>	Laboratory	
<b>Sampling Location</b>	STP Plant Sector-R-6	<b>Sample Quantity/Packing</b>	2 L X 1 No. PVC Can 100 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle 500mLX1No.Sterilized Glass Bottle	
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020	
<b>Sampling Procedure</b>	IS:3025(Part I):1987 RA 2003; APHA 22 <sup>nd</sup> Ed. 2012,1060-B, 1-39			
<b>Date of Start of Analysis</b>	01.06.2020	<b>Date of Completion of Analysis</b>	06.06.2020	
Sr. No.	Parameter	Unit	Result	Method Reference
<b>Discipline: Chemical Testing; Product Group: Pollution &amp; Environment(Waste Water)</b>				
1.	pH	-	7.4	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H <sup>+</sup> - B, 4-95
2.	Total Suspended Solids	mg/L	20	APHA 23 <sup>rd</sup> Ed. 2017, 2540-D, 2-70
3.	Biochemical Oxygen Demand (3 days 27°C)	mg/L	14	IS 3025 (Part 44): 1993, Reaffirmed 2009
4.	Chemical Oxygen Demand	mg/L	44	APHA 23 <sup>rd</sup> Ed. 2017, 5220-B, 5-18
5.	Oil and Grease	mg/L	N.D.	IS 3025 (Part 39): 1991, RA 2009, Amds.1
6.	Total Dissolved Solids	mg/L	495	IS 3025(Part 16):1984 RA 2006, Ed.2.1 (1999-12)
7.	*Total Kjeldahl Nitrogen	mg/L	2.18	APHA 23 <sup>rd</sup> Ed. 2017, 4500 NH <sub>3</sub> -B & C, 4-114, 4-116 or F 4-119 & 4500 N <sub>Org</sub> , B-4-139
8.	Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/L	0.380	APHA 23 <sup>rd</sup> Ed. 2017, 4500 NH <sub>3</sub> , F 4-119
9.	Phosphate as (P)	mg/L	0.077	APHA 23 <sup>rd</sup> Ed. 2017, 4500-P E, 4-164
<b>Discipline: Biological Testing; Product Group: Pollution &amp; Environment (Effluent&amp; Waste water)</b>				
12	Faecal Coliforms	MPN /100mL	70	APHA 23 <sup>rd</sup> Ed. 2017, 9221 – B, C & E, 9-69, 9-72 & 9-77
<b>Remarks:</b> N.D. Not Detected; <b>The tests marked with an * are not accredited by NABL</b>				

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FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi  
**TECHNICAL MANAGER**  
(Chemical Testing)



Pranali Kurve  
**TECHNICAL MANAGER**  
(Biological Testing)

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ULR-TC748720000005483P



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## Effluent Sample Analysis Report

<b>Report No.:</b> ME-NG05728-191021-SA-KPVENT-PUNE		<b>Date:</b> 21.10.2019		
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057	<b>Order Reference:</b>		
		As per WO no.I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013		
<b>Sample Description/Type</b>	Sewage Effluent	<b>Sample Collected by</b>	Laboratory	
<b>Sampling Location</b>	STP Plant (Labour camp)	<b>Sample Quantity/Packing</b>	2 L X 1 No. PVC Can 100 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle 500mLX1No.Sterilized Glass Bottle	
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020	
<b>Sampling Procedure</b>	IS:3025(Part I):1987 RA 2003; APHA 22 <sup>nd</sup> Ed. 2012,1060-B, 1-39			
<b>Date of Start of Analysis</b>	01.06.2020	<b>Date of Completion of Analysis</b>	06.06.2020	
Sr. No.	Parameter	Unit	Result	Method Reference
<b>Discipline: Chemical Testing; Product Group: Pollution &amp; Environment(Waste Water)</b>				
1.	pH	-	7.3	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H <sup>+</sup> - B, 4-95
2.	Total Suspended Solids	mg/L	24	APHA 23 <sup>rd</sup> Ed. 2017, 2540-D, 2-70
3.	Biochemical Oxygen Demand (3 days 27°C)	mg/L	15	IS 3025 (Part 44): 1993, Reaffirmed 2009
4.	Chemical Oxygen Demand	mg/L	52	APHA 23 <sup>rd</sup> Ed. 2017, 5220-B, 5-18
5.	Oil and Grease	mg/L	N.D.	IS 3025 (Part 39): 1991, RA 2009, Amds.1
6.	Total Dissolved Solids	mg/L	498	IS 3025(Part 16):1984 RA 2006, Ed.2.1 (1999-12)
7.	*Total Kjeldahl Nitrogen	mg/L	2.18	APHA 23 <sup>rd</sup> Ed. 2017, 4500 NH <sub>3</sub> -B & C, 4-114, 4-116 or F 4-119 & 4500 N <sub>Org</sub> , B-4-139
8.	Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/L	0.520	APHA 23 <sup>rd</sup> Ed. 2017, 4500 NH <sub>3</sub> , F 4-119
9.	Phosphate as (P)	mg/L	0.209	APHA 23 <sup>rd</sup> Ed. 2017, 4500-P E, 4-164
<b>Discipline: Biological Testing; Product Group: Pollution &amp; Environment (Effluent&amp; Waste water)</b>				
10.	Faecal Coliforms	MPN /100mL	58	APHA 23 <sup>rd</sup> Ed. 2017, 9221 – B, C & E, 9-69, 9-72 & 9-77
<b>Remarks:</b> N.D. Not Detected; <b>The tests marked with an * are not accredited by NABL</b>				

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi  
**TECHNICAL MANAGER**  
(Chemical Testing)



*Pranali Kurve*

Pranali Kurve  
**TECHNICAL MANAGER**  
(Biological Testing)

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ULR-TC748720000005484P



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## Water Sample Analysis Report

<b>Report No.:</b> ME-NG05729-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b> As per WO no.I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
	<b>Sample Description/Type</b>	Drinking Water	<b>Sample Collected by</b> Laboratory
<b>Sampling Location</b>	WTP Outlet	<b>Sample Quantity/Packing</b>	2 L X 1 No. PVC Can 500 mL X 1 No. PVC Can 500 mL X 1 No. Steralised Glass Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	IS:3025(Part I):1987 RA 2003; IS 1622:1981 RA 1996 Ed 2.4 (2003); APHA 23 <sup>rd</sup> Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
<b>Date of Start of Analysis</b>	01.06.2020	<b>Date of Completion of Analysis</b>	12.06.2020

Sr. No.	Parameter	Unit	Result	Acceptable Limit for Drinking Water (IS 10500:2012)	Method Reference
<b>Discipline : Chemical Testing; Product Group: Water(Drinking Water)</b>					
1	Colour	Hazen	<1	5 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2006
3	Turbidity	NTU	0.1	1 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 2130-B, 2-13
4	pH	-	7.4	6.5 to 8.5	APHA 23 <sup>rd</sup> Ed. 2017, 4500-H <sup>+</sup> -B, 4-95
5	Free Chlorine (Residual)	mg/L	<0.05	0.2 min.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-CI G, 4-72
6	*Monochloramines	mg/L	<0.05	-	APHA 23 <sup>rd</sup> Ed. 2017, 4500-CI G, 4-72
7	Total Dissolved Solids	mg/L	102	500 Max.	IS 3025 (Part 16):1984 Reaffirmed 2006, Ed.2.1(1999-12)
8	Alkalinity Total (as CaCO <sub>3</sub> )	mg/L	62	200 Max.	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9	Total Hardness (as CaCO <sub>3</sub> )	mg/L	62	200 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 2340-C, 2-48
10	Chloride (as Cl)	mg/L	15.1	250 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-CI-B, 4-75
11	Sulphate (as SO <sub>4</sub> )	mg/L	11.4	200 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-SO <sub>4</sub> -E, 4-199
12	Nitrate (as NO <sub>3</sub> )	mg/L	2.10	45 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-NO <sub>3</sub> , E 4-131
13	Calcium(as Ca)	mg/L	18.4	75 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Ca-B, 3-69

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Report No.05729 Cont...

Sr. No.	Parameter	Unit	Result	Acceptable Limit for Drinking Water (IS 10500:2012)	Method Reference
14	Magnesium (as Mg)	mg/L	3.90	30 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Mg- B, 3-86
15	Fluoride (as F)	mg/L	0.140	1 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 4500-F, D, 4-90
16	Ammonical Nitrogen/Ammonia	mg/L	<0.1	0.5 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 4500 NH <sub>3</sub> - F, 4-119
17	*Mineral Oil	mg/L	N.D.	0.5 Max.	IS 3025 (Part 39): 1991, Reaffirmed 2003, Ed. 2.1
18	Sulphide (as S)	mg/L	<0.08	-	APHA 23 <sup>rd</sup> Ed. 2017, 4500-S-C-4-183 , F-4-187
19	Hydrogen Sulphide (as H <sub>2</sub> S)	mg/L	<0.08	-	APHA 23 <sup>rd</sup> Ed. 2017, 4500-S-D, 4-175
20	*Anionic detergents as MBAS	mg/L	<0.1	0.2 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 5540-C, 5-55
21	*Phenolic compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/L	N.D.	0.001 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 5530-B & C, 5-49, 5-50
<b>Residues in water (Trace metal Element)</b>					
22	Iron (as Fe)	mg/L	0.104	1.0 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3111-B, 3-20
23	Manganese (as Mn)	mg/L	<0.04	0.1 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3111-B, 3-20
24	Aluminium (as Al)	mg/L	<0.025	0.03 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3500-Al-B, 3-63
25	Copper (as Cu)	mg/L	N.D.	0.05 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3111-B, 3-20
26	Zinc (as Zn)	mg/L	0.058	5 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3111-B, 3-20
27	*Selenium (as Se)	mg/L	N.D.	0.01 Max.	APHA 23 <sup>rd</sup> Ed. 2017, 3500-C, 3-95
<b>Discipline : Biological Testing; Product Group: Water (Drinking Water)</b>					
1	Total Colliforms	P-A/ 100mL	Absent	Not Detectable	APHA 23 <sup>rd</sup> Ed. 2017, 9221-D, 9-75
2	E-Coli	P-A/ 100mL	Absent	Not Detectable	APHA 23 <sup>rd</sup> Ed. 2017, 9221-D, E & G, 9-75 - 9-80
<b>Remarks: The tests marked with an * are not accredited by NABL;N.D. - Not Detected</b>					

-END-

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi  
**TECHNICAL MANAGER**  
 (Chemical Testing)



Pranali Kurve  
**TECHNICAL MANAGER**  
 (Biological Testing)

Note:

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## Noise Level Monitoring Report

<b>Report No.:</b> ME-NG05725-200615-SA- TREPL-PUNE		<b>Date:</b> 15.06.2020
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057	<b>Order Reference:</b>
		As per WO no.I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Date of Sampling</b>	30.05.2020	
<b>Sampling Procedure</b>	IS 9876:1981 & manufacturer Manual	

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Noise)

Location	Time in h	Sound Level Readings dB(A)
<b>Near Main Gate</b>		
Day	15:10	54.6
Night	22:00	41.3
<b>Near Site Office</b>		
Day	15:25	50.3
Night	22:05	40.3
<b>Near Parking Area</b>		
Day	15:50	51.6
Night	22:10	39.2

### As per The Noise Pollution (Regulation & Control) Rules, 2000 (Rules 3(1) and 4(1))

Area Code	Area Type	Limits in dB (A) weighted scale	
		Day (6 a.m. to 10 p.m.)	Night (10 p.m. to 6 a.m.)
A	Industrial	75	70
B	Commercial	65	60
C	Residential	55	45

-END-

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

**TECHNICAL MANAGER**



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QF/SALE/05/Issue No 03 Dt 05.12.2019, Amd 00 Dt 00

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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05730-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Near Site Office DG 160KVA	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

<b>Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)</b>			
Stack Identity		<b>D.G-160/200 KVA/KW</b>	
Stack attached to		DG Set	
Material of construction		M.S	
Stack height above ground level (Meter)		4	
Stack Diameter (Meter)		0.14	
Stack shape at top		Round	
Type of fuel		Diesel	
Fuel Consumption (L/h)		9	
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	107	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	7.11	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	309	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	32	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.20	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	64.5	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

-----END-----

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Harish Mendhi

**TECHNICAL MANAGER**



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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05731-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	DG Set 80/100 KVA/KW	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity		<b>D.G-80/100 KVA/KW</b>	
Stack attached to		DG Set	
Material of construction		M.S	
Stack height above ground level (Meter)		3.5	
Stack Diameter (Meter)		0.10	
Stack shape at top		Round	
Type of fuel		Diesel	
Fuel Consumption (L/h)		8	
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	62	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	6.63	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	167	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	35	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.15	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	55.9	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

-----END-----

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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05732-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Jackwell 160/200 KVA/KW	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

<b>Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)</b>			
Stack Identity		<b>D.G-160/200 KVA/KW</b>	
Stack attached to		DG Set	
Material of construction		M.S	
Stack height above ground level (Meter)		3.5	
Stack Diameter (Meter)		0.12	
Stack shape at top		Round	
Type of fuel		Diesel	
Fuel Consumption (L/h)		15	
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	89	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	6.53	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	219	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	31	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.25	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	59.9	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05733-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	R-7 Office D.G 50/62.5 KVA/KW	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity		<b>D.G-50/62.5 KVA/KW</b>	
Stack attached to		DG Set	
Material of construction		M.S	
Stack height above ground level (Meter)		3.5	
Stack Diameter (Meter)		0.10	
Stack shape at top		Round	
Type of fuel		Diesel	
Fuel Consumption (L/h)		8	
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	67	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	6.58	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	163	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	39	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.13	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	51.2	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05734-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Near Labour Camp-40/50 KVA/KW	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity	<b>D.G-40/50 KVA/KW</b>		
Stack attached to	DG Set		
Material of construction	M.S		
Stack height above ground level (Meter)	3.5		
Stack Diameter (Meter)	0.09		
Stack shape at top	Round		
Type of fuel	Diesel		
Fuel Consumption (L/h)	5		
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	62	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	6.45	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	131	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	28	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.14	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	56.5	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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# Mahabal Enviro Engineers Pvt. Ltd.

Engineer, Consultant, Environmental Monitoring Laboratory & Contractor

Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,

Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111

Phone : 91-712-2612162 T/Fax: 91-712-2612212 Email: [nagpur@mahabal.com](mailto:nagpur@mahabal.com)

## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05735-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Secter-R-2 D.G 85.5KVA	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity		<b>D.G-85.5 KVA</b>	
Stack attached to		DG Set	
Material of construction		M.S	
Stack height above ground level (Meter)		3	
Stack Diameter (Meter)		0.11	
Stack shape at top		Round	
Type of fuel		Diesel	
Fuel Consumption (L/h)		9	
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	75	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	7.09	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	208	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	34	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.15	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	54.3	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

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FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Harish Mendhi

**TECHNICAL MANAGER**



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**Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra**  
 (600 m from Hotel Rukhmini Palace Turn Opp Toyota Show Room. Next to Ashida Electrical - near J B Sawant Bus Stop)  
**Phone: 2582 0658/ 3139/ 1663/ 3154 Fax: 91-22-25823543 [thane@mahabal.com](mailto:thane@mahabal.com)**

ULR- TC748720000005491F



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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05736-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Secter-R-4 D.G 200/250 KVA-KW	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity	<b>D.G-200/250 KVA/KW</b>		
Stack attached to	DG Set		
Material of construction	M.S		
Stack height above ground level (Meter)	4		
Stack Diameter (Meter)	0.12		
Stack shape at top	Round		
Type of fuel	Diesel		
Fuel Consumption (L/h)	10		
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	101	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	7.05	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	229	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	35	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.26	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	59.4	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05737-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Near School D.G 40/50 KVA/KW	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity		<b>D.G-40/50 KVA/KW</b>	
Stack attached to		DG Set	
Material of construction		M.S	
Stack height above ground level (Meter)		6	
Stack Diameter (Meter)		0.08	
Stack shape at top		Round	
Type of fuel		Diesel	
Fuel Consumption (L/h)		8	
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	87	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	6.71	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	100	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	31	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.06	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	49.5	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05738-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	R-7.D Building D.G 200/250 KVA/KW	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity	<b>D.G-200-250 KVA/KW</b>		
Stack attached to	DG Set		
Material of construction	M.S		
Stack height above ground level (Meter)	4		
Stack Diameter (Meter)	0.13		
Stack shape at top	Round		
Type of fuel	Diesel		
Fuel Consumption (L/h)	12		
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	107	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	8.5	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	318	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	33	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.41	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	62.9	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05739-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Near WTP D.G100/125KVA/ KW	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity	<b>D.G-100/125 KVA/KW</b>		
Stack attached to	DG Set		
Material of construction	M.S		
Stack height above ground level (Meter)	4		
Stack Diameter (Meter)	0.10		
Stack shape at top	Round		
Type of fuel	Diesel		
Fuel Consumption (L/h)	12		
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	95	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	7.47	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	171	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	32	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.18	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	58.0	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

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FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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## Stack Emission Monitoring Report

<b>Report No.:</b> ME-NG05740-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057		<b>Order Reference:</b>
			As per WO No. I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013
<b>Sample Description/Type</b>	Stack Emission Monitoring	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Near WTP D.G 80/100 KVA/KW	<b>Sample Quantity/Packing</b>	Thimble:1 X 1 No. SO <sub>2</sub> :30 mL X 1 No. PVC Bottle NO <sub>x</sub> :25 mL X 1 No. PVC Bottle
<b>Date of Sampling</b>	31.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	As per method reference		
<b>Date of Start of Analysis</b>	02.06.2020	<b>Date of Completion of Analysis</b>	04.06.2020

### Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)

Stack Identity		<b>D.G-80/100 KVA/KW</b>	
Stack attached to		DG Set	
Material of construction		M.S	
Stack height above ground level (Meter)		3.5	
Stack Diameter (Meter)		0.10	
Stack shape at top		Round	
Type of fuel		Diesel	
Fuel Consumption (L/h)		7	
<b>Parameter</b>	<b>Unit</b>	<b>Result</b>	<b>Method Reference</b>
Flue gas Temperature	°C	106	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	7.63	IS 11255 (Part 3):2008
Total gas quantity	Nm <sup>3</sup> /h	170	IS 11255 (Part 3):2008
Particulate Matter (PM)	mg/Nm <sup>3</sup>	33	IS 11255 (Part 1):1985 RA 2003
Sulphur Dioxide (SO <sub>2</sub> )	kg/day	0.17	IS 11255 (Part 2):1985 RA 2003
Oxides of Nitrogen (NO <sub>x</sub> )	mg/Nm <sup>3</sup>	57.1	IS 11255 (Part 7): 2005
<b>Remarks :</b>			

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FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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## Soil Sample Analysis Report

<b>Report No.:</b> ME-NG05741-200615-SA-KPVENT-PUNE		<b>Date:</b> 15.06.2020	
<b>Name and Address of Customer</b>	<b>Kolte Patil I – Ven Townships (Pune)</b> Survey No. 74, Marunji, Taluka Mulshi, Pune - 411057	<b>Order Reference:</b>	
		As per WO no.I Ven/Life Republic/Mahabal/01/2013-14 Dated 18 <sup>th</sup> Oct 2013	
<b>Sample Description/Type</b>	Soil	<b>Sample Collected by</b>	Laboratory
<b>Sampling Location</b>	Project Site	<b>Sample Quantity/Packing</b>	1kg X 1No. Polyethene bag
<b>Date of Sampling</b>	30.05.2020	<b>Date of Receipt of Sample</b>	01.06.2020
<b>Sampling Procedure</b>	Manual on Soil, Plant & Water Analysis		
<b>Date of Start of Analysis</b>	01.06.2020	<b>Date of Completion of Analysis</b>	15.06.2020

Sr. No.	Parameter	Unit	Result	Method Reference
<b>Discipline: Chemical Testing; Product Group: Pollution &amp; Environment (Soil)</b>				
1	pH (1:5 Suspension)	-	7.6	IS 2720 (Part 26) :1987, RA 2002
2	Moisture	%	9.25	IS 2720 (Part II): 1973, RA 2002, Ed. 3.1
3	Organic Carbon	%	0.494	WLII Sec. B7, Page No. 10
4	Available Nitrogen	mg/kg	117	WL II, Sec B8b, Page No. 13
5	Available Phosphate	mg/kg	8.24	FAO 1976, Sec.III, 12-1, Page No. 157
6	*Cadmium (as Cd)	mg/kg	<2	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
7	*Chromium (as Cr)	mg/kg	24.0	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
8	*Copper (as Cu)	mg/kg	35.6	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
9	*Lead (as Pb)	mg/kg	29.5	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
10	*Chloride (as Cl)	mg/kg	110	USEPA / SW 846/ 9253
11	*Zinc (as Zn)	mg/kg	46.4	USEPA/SW 846 Method 3050B, Rev.2: Dec.1996 and 7000B, Rev.2, Feb 2007
12	*Sulphate (as SO <sub>4</sub> )	mg/kg	105	IS 2720 (Part XXVII):1977, RA 2001.
13	*Oil & Grease	mg/kg	N.D.	CPCB (HW) manual, Page No. 156
<b>Remarks: The tests marked with an * are not accredited by NABL; N.D. – Not Detected</b>				

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