



Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA

Phone: 0712-2612162/2612212 email: nagpur@mahabal.com



TEST REPORT

Report No.:	ME-NG06566-230415- SA-LR-PUNE	Date: 15.04.2023
ULR No.:	TC748723000005989F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Domestic Effluent	Sample Collected by	Laboratory
Sampling Location	STP Outlet R-4 th Avenue	Sample Quantity / Packing	2 L X 1 No. PVC Can 100 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23 rd Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	15.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)			
1.	pH	-	7.5	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
2.	Total Suspended Solids	mg/L	5	APHA 23 rd Ed. 2017, 2540-D, 2-70
3.	Biochemical Oxygen Demand (3days 27°C)	mg/L	4.2	IS 3025 (Part 44): 1993, Reaffirmed 2019
4.	Chemical Oxygen Demand	mg/L	14	APHA 23 rd Ed. 2017, 5220-B, 5-18
5.	Oil and Grease	mg/L	BQL (LOQ:1)	IS 3025 (Part 39): 1991, RA 2021, Amds.1
6.	Total Dissolved Solids	mg/L	104	IS 3025 (Part 16):1984 RA 2017
7.	Ammonical Nitrogen (as NH ₃ -N)		BQL (LOQ:0.1)	APHA 23 rd Ed. 2017, 4500 NH ₃ , F 4-119
8.	Phosphate Total (as P)	mg/L	0.251	APHA 23 rd Ed. 2017, 4500-P B, 4-160, E, 4-164
	Discipline: Biological Testing; Product Group: Pollution & Environment (Effluent & Waste water)			
9.	Faecal Coliforms	MPN/100mL	17	APHA 23 rd Ed. 2017, 9221-B & E, 9-69 & 9-77

END OF REPORT





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TEST REPORT

Report No.:	ME-NG06566N-230415- SA-LR-PUNE	Date: 15.04.2023
ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Domestic Effluent	Sample Collected by	Laboratory
Sampling Location	STP Outlet R-4 th Avenue	Sample Quantity / Packing	2 L X 1 No. PVC Can
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; APHA 23 rd Ed. 2017, 1060-B, 1-40;		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	15.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	<u>Discipline: Chemical Testing;</u> <u>Product Group: Pollution & Environment (Waste Water)</u>			
1.	Total Kjeldahl Nitrogen (as N)	mg/L	0.34	APHA 23 rd Ed. 2017, 4500 NH ₃ -B & C, 4-114, 4-116 or F 4-119 & 4500 N _{Org} , B-4-139

END OF REPORT

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TEST REPORT

Report No.:	ME-NG06567-230415- SA-LR-PUNE	Date: 15.04.2023
ULR No.:	TC748723000005990F	

Name and Address of Customer	Kotte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Domestic Effluent	Sample Collected by	Laboratory
Sampling Location	STP Outlet R-16 th Avenue	Sample Quantity / Packing	2 L X 1 No. PVC Can 100 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23 rd Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	15.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1.	pH	-	7.6	APHA 23 rd Ed. 2017, 4500-H ⁺ - B, 4-95
2.	Total Suspended Solids	mg/L	8	APHA 23 rd Ed. 2017, 2540-D, 2-70
3.	Biochemical Oxygen Demand (3days 27°C)	mg/L	4.4	IS 3025 (Part 44): 1993, Reaffirmed 2019
4.	Chemical Oxygen Demand	mg/L	16	APHA 23 rd Ed. 2017, 5220-B, 5-18
5.	Oil and Grease	mg/L	BQL (LOQ:1)	IS 3025 (Part 39): 1991, RA 2021, Amds.1
6.	Total Dissolved Solids	mg/L	117	IS 3025 (Part 16):1984 RA 2017
7.	Ammonical Nitrogen (as NH ₃ -N)		BQL (LOQ:0.1)	APHA 23 rd Ed. 2017, 4500 NH ₃ , F 4-119
8.	Phosphate Total (as P)	mg/L	0.273	APHA 23 rd Ed. 2017, 4500-P B, 4-160, E, 4-164
Discipline: Biological Testing; Product Group: Pollution & Environment (Effluent& Waste water)				
9.	Faecal Coliforms	MPN/100mL	11	APHA 23 rd Ed. 2017, 9221-B & E, 9-69 & 9-77

END OF REPORT





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Harish Mendhi
Technical Manager
Chemical Testing


Shital Lakhorkar
Group In-charge
Biological Testing





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ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Domestic Effluent	Sample Collected by	Laboratory
Sampling Location	STP Outlet R-16 th Avenue	Sample Quantity / Packing	2 L X 1 No. PVC Can
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; APHA 23 rd Ed. 2017, 1060-B, 1-40;		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	15.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)			
1.	Total Kjeldahl Nitrogen (as N)	mg/L	0.28	APHA 23 rd Ed. 2017, 4500 NH3-B & C, 4-114, 4-116 or F 4-119 & 4500 NOrg, B-4-139

END OF REPORT

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TEST REPORT

Report No.:	ME-NG06568-230417- SA-LR-PUNE	Date:	17.04.2023
ULR No.:	TC748723000005991F		

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Domestic Effluent	Sample Collected by	Laboratory
Sampling Location	R-6 th Avenue	Sample Quantity / Packing	2 L X 1 No. PVC Can 100 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23 rd Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	15.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)			
1.	pH	-	7.6	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
2.	Total Suspended Solids	mg/L	9	APHA 23 rd Ed. 2017, 2540-D, 2-70
3.	Biochemical Oxygen Demand (3days 27°C)	mg/L	4.6	IS 3025 (Part 44): 1993, Reaffirmed 2019
4.	Chemical Oxygen Demand	mg/L	16	APHA 23 rd Ed. 2017, 5220-B, 5-18
5.	Oil and Grease	mg/L	BQL (LOQ:1)	IS 3025 (Part 39): 1991, RA 2021, Amds.1
6.	Total Dissolved Solids	mg/L	110	IS 3025 (Part 16):1984 RA 2017
7.	Ammonical Nitrogen (as NH ₃ -N)		BQL (LOQ:0.1)	APHA 23 rd Ed. 2017, 4500 NH ₃ , F 4-119
8.	Phosphate Total (as P)	mg/L	0.210	APHA 23 rd Ed. 2017, 4500-P B, 4-160, E, 4-164
	Discipline: Biological Testing; Product Group: Pollution & Environment (Effluent& Waste water)			
9.	Faecal Coliforms	MPN/ 100mL	6.8	APHA 23 rd Ed. 2017, 9221-B & E, 9-69 & 9-77

END OF REPORT





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TEST REPORT

Report No.:	ME-NG05568-230417- SA-LR-PUNE	Date: 17.04.2023
ULR No.:	TC748723000005991F	

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Harish Mendhi
Technical Manager
Chemical Testing



Shital Lakhorkar
Group In-charge
Biological Testing





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TEST REPORT

Report No.:	ME-NG06568N-230417- SA-LR-PUNE	Date: 17.04.2023
ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Domestic Effluent	Sample Collected by	Laboratory
Sampling Location	R-6 th Avenue	Sample Quantity / Packing	2 L X 1 No. PVC Can
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I);1987 RA 2019; APHA 23 rd Ed. 2017, 1060-B, 1-40;		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	15.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)			
1.	Total Kjeldahl Nitrogen (as N)	mg/L	0.45	APHA 23 rd Ed. 2017, 4500 NH3-B & C, 4-114, 4-116 or F 4-119 & 4500 NOrg, B-4-139

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ULR No.:	TC748723000005992F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Domestic Effluent	Sample Collected by	Laboratory
Sampling Location	R-7 th Avenue	Sample Quantity / Packing	2 L X 1 No. PVC Can 100 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23 rd Ed. 2017, 1060-B, 1-40; 9060 A, 9-36		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	15.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)			
1.	pH	-	7.3	APHA 23 rd Ed. 2017, 4500-H ⁺ B, 4-95
2.	Total Suspended Solids	mg/L	BQL (LOQ:5)	APHA 23 rd Ed. 2017, 2540-D, 2-70
3.	Biochemical Oxygen Demand (3days 27°C)	mg/L	3.1	IS 3025 (Part 44): 1993, Reaffirmed 2019
4.	Chemical Oxygen Demand	mg/L	11	APHA 23 rd Ed. 2017, 5220-B, 5-18
5.	Oil and Grease	mg/L	BQL (LOQ:1)	IS 3025 (Part 39): 1991, RA 2021, Amds 1
6.	Total Dissolved Solids	mg/L	59	IS 3025 (Part 16):1984 RA 2017
7.	Ammonical Nitrogen (as NH ₃ -N)		BQL (LOQ:0.1)	APHA 23 rd Ed. 2017, 4500 NH ₃ , F 4-119
8.	Phosphate Total (as P)	mg/L	0.213	APHA 23 rd Ed. 2017, 4500-P B, 4-160, E, 4-164
	Discipline: Biological Testing; Product Group: Pollution & Environment (Effluent & Waste water)			
9.	Faecal Coliforms	MPN/100mL	9.3	APHA 23 rd Ed. 2017, 9221-B & E, 9-69 & 9-77

END OF REPORT





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Technical Manager
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TEST REPORT

Report No.:	ME-NG06569N-230417- SA-LR-PUNE	Date:	17.04.2023
ULR No.:	-		

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Domestic Effluent	Sample Collected by	Laboratory
Sampling Location	R-7 th Avenue	Sample Quantity / Packing	2 L X 1 No. PVC Can
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; APHA 23 rd Ed. 2017, 1060-B, 1-40;		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	15.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)			
1.	Total Kjeldahl Nitrogen (as N)	mg/L	0.34	APHA 23 rd Ed. 2017, 4500 NH ₃ -B & C, 4-114, 4-116 or F 4-119 & 4500 N _{Org} , B-4-139

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TEST REPORT

Report No.:	ME-NG06573-230420-SA-LIFER-PUNE	Date: 20.04.2023
ULR No.:	TC748723000005977F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Drinking water	Sample Collected by	Laboratory
Sampling Location	WTP Plant Water	Sample Quantity / Packing	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 250 mL X 1 No. Sterilized Glass Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; IS 1622:1981 RA 2019, APHA 23 rd Ed. 2017, 1060-B, 1-40, 9060 A, 9-36		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	19.04.2023

Sr. No.	Parameter	Unit	Result	#Limit	\$Limit	Method Reference
	Discipline: Chemical Testing: Product Group: Water (Drinking Water)					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 05):1984, RA 2018
3.	Turbidity	NTU	0.3	1 Max.	5 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
4.	pH	-	7.5	6.5 to 8.5	No relaxation	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5.	Residual Free Chlorine	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Min.	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6.	Chloramines (as Cl ₂)	mg/L	BQL (LOQ:0.05)	4.0 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
7.	Total Dissolved Solids	mg/L	81	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2017, Ed.2.1 (1999-12)
8.	Alkalinity Total (as CaCO ₃)	mg/L	48	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2320-B, 2-36
9.	Total Hardness (as CaCO ₃)	mg/L	60	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
10.	Chloride (as Cl)	mg/L	8.0	250 Max.	1000 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75





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ULR No.:	TC748723000005977F	

Sr. No.	Parameter	Unit	Result	#Limit	\$Limit	Method Reference
11.	Sulphate (as SO ₄)	mg/L	3.5	200 Max.	400 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199
12.	Nitrate (as NO ₃)	mg/L	BQL (LOQ:0.5)	45 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131
13.	Calcium (as Ca)	mg/L	15.2	75 Max.	200 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14.	Magnesium (as Mg)	mg/L	5.4	30 Max.	100 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15.	Fluoride (as F)	mg/L	0.12	1 Max.	1.5 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16.	Ammonia/Ammonical Nitrogen	mg/L	BQL (LOQ:0.1)	0.5 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-NH ₃ - F, 4-119
17.	Sulphide	mg/L	BQL (LOQ:0.08)	0.05 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-S-C 4-183, F-4-187
18.	Anionic detergents as MBAS	mg/L	BQL (LOQ:0.1)	0.2 Max.	1.0 Max.	APHA 23 rd Ed. 2017, 5540-C, 5-55
19.	Phenolic compounds (as C ₆ H ₅ OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)						
20.	Iron (as Fe)	mg/L	0.077	1.0 Max.	No relaxation	IS:3025 (Part 2), 2019
21.	Manganese (as Mn)	mg/L	0.12	0.1 Max.	0.3 Max.	IS 3025 (Part 2): 2019
22.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 23 rd Ed. 2017, 3500-Al-B, 3-63
23.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025 (Part 2): 2019
24.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025(Part 2): 2019
25.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025(Part 2): 2019
Discipline: Biological Testing; Product Group: Water (Drinking water)						
26.	Total Coliforms	/100mL	Absent	Shall not be detectable in any 100 mL Sample.	-	IS 15185:2016





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TEST REPORT

Report No.:	ME-NG06573-230420-SA-LIFER-PUNE	Date: 20.04.2023
ULR No.:	TC748723000005977F	

Sr. No.	Parameter	Unit	Result	#Limit	\$Limit	Method Reference
27.	Escherichia coli	/100mL	Absent	Shall not be detectable in any 100 mL Sample.	-	IS 15185:2016

END OF REPORT

- Note:**
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 2. LOQ: Limit of Quantification.
 3. #: Acceptable Limit as per IS 10500:2012; RA 2018.
 4. \$ Permissible Limit in the Absence of Alternate Source as per IS 10500:2012 RA 2018
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Harish Mendhi
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Shital Lakhorkar
Group In-charge
Biological Testing





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TEST REPORT

Report No.:	ME-NG06573N-230420-SA-SAMPADA-PUNE	Date: 20.04.2023
ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Drinking water	Sample Collected by	Laboratory
Sampling Location	WTP Plant Water	Sample Quantity / Packing	1L X 1 No. PVC Can
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	IS:3025(Part I):1987 RA 2019; APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	19.04.2023

Sr. No.	Parameter	Unit	Result	#Limit	\$Limit	Method Reference
	<u>Discipline: Chemical</u> <u>Testing: Product</u> <u>Group: Water (Drinking Water)</u>					
1.	*Mineral Oil	mg/L	BQL (LOQ:1)	1.0 Max.	No relaxation	APHA 23 rd Ed. 5520:2017

END OF REPORT

- Note:**
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 2. LOQ: Limit of Quantification.
 3. #: Acceptable Limit as per IS 10500:2012; RA 2018.
 4. \$ Permissible Limit in the Absence of Alternate Source as per IS 10500:2012 RA 2018
 5. Parameters, Product Group marked with * indicates Subcontracted testing.
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TEST REPORT

Report No.:	ME-NG06559-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005982F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 50 kVA (OWC)	Sample Quantity / Packing	Thimble: 1 X 1 No. SO ₂ : 30 mL X 1 No. PVC Bottle NO _x : 25 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 50 kVA
Stack attached to	DG Set 50 kVA
Material of construction	M.S.
Stack height above ground level (Meter)	7
Stack Diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	5

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Flue gas Temperature	°C	102	IS 11255 (Part 3):2008; RA 2018
2	Flue gas Velocity	m/s	6.4	IS 11255 (Part 3):2008; RA 2018
3	Total gas quantity	Nm ³ /h	144	IS 11255 (Part 3):2008; RA 2018
4	Particulate Matter (PM)	mg/Nm ³	22	IS 11255 (Part 1):1985 RA 2019
5	Sulphur Dioxide (SO ₂)	mg/Nm ³	13	IS 11255 (Part 2):1985; RA 2019
6	Oxides of Nitrogen (NO _x)	mg/Nm ³	149	IS 11255 (Part 7): 2005; RA 2017

END OF REPORT

Page 1 of 2
QF/SALE/04
Issue No 03
Date 05.12.2019.
Amd 01 Date
24.12.2022

Harish Mendhi
Harish Mendhi
Technical Manager
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TEST REPORT

Report No.:	ME-NG06559-230413- SA-LR-PUNE	Date: 13.04.2023
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TEST REPORT

Report No.:	ME-NG06559N-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 50 kVA (OWC)	Sample Quantity / Packing	SO ₂ :30 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 50 kVA
Stack attached to	DG Set 50 kVA
Material of construction	M.S.
Stack height above ground level (Meter)	7
Stack Diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	5

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Sulphur Dioxide (SO ₂)	kg/d	0.045	IS 11255 (Part 2):1985; RA 2019

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TEST REPORT

Report No.:	ME-NG06560-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005983F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 50 kVA (Labour Camp)	Sample Quantity / Packing	Thimble: 1 X 1 No. SO ₂ : 30 mL X 1 No. PVC Bottle NO _x : 25 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 50 kVA
Stack attached to	DG Set 50 kVA
Material of construction	M.S.
Stack height above ground level (Meter)	5
Stack Diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	4

Sr. No.	Parameter	Unit	Result	Method Reference
	<u>Discipline: Chemical Testing;</u> <u>Product Group: Atmospheric</u> <u>Pollution (Stack Emission)</u>			
1	Flue gas Temperature	°C	97	IS 11255 (Part 3):2008; RA 2018
2	Flue gas Velocity	m/s	6.7	IS 11255 (Part 3):2008; RA 2018
3	Total gas quantity	Nm ³ /h	151	IS 11255 (Part 3):2008; RA 2018
4	Particulate Matter (PM)	mg/Nm ³	21	IS 11255 (Part 1):1985 RA 2019
5	Sulphur Dioxide (SO ₂)	mg/Nm ³	BQL (LOQ: 10)	IS 11255 (Part 2):1985; RA 2019
6	Oxides of Nitrogen (NO _x)	mg/Nm ³	156	IS 11255 (Part 7): 2005; RA 2017

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TEST REPORT

Report No.:	ME-NG06560N-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 50 kVA (Labour Camp)	Sample Quantity / Packing	SO ₂ :30 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 50 kVA
Stack attached to	DG Set 50 kVA
Material of construction	M.S.
Stack height above ground level (Meter)	5
Stack Diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	4

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Sulphur Dioxide (SO ₂)	kg/d	BQL (LOQ: 0.036)	IS 11255 (Part 2):1985; RA 2019

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TEST REPORT

Report No.:	ME-NG06561-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005984F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 200 kVA (Jackwell Pump House)	Sample Quantity / Packing	Thimble: 1 X 1 No. SO ₂ : 30 mL X 1 No. PVC Bottle NO _x : 25 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 200 kVA
Stack attached to	DG Set 200 kVA
Material of construction	M.S.
Stack height above ground level (Meter)	5
Stack Diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	17

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Flue gas Temperature	°C	109	IS 11255 (Part 3):2008; RA 2018
2	Flue gas Velocity	m/s	7.1	IS 11255 (Part 3):2008; RA 2018
3	Total gas quantity	Nm ³ /h	156	IS 11255 (Part 3):2008; RA 2018
4	Particulate Matter (PM)	mg/Nm ³	20	IS 11255 (Part 1):1985 RA 2019
5	Sulphur Dioxide (SO ₂)	mg/Nm ³	16	IS 11255 (Part 2):1985; RA 2019
6	Oxides of Nitrogen (NO _x)	mg/Nm ³	184	IS 11255 (Part 7): 2005; RA 2017

END OF REPORT





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TEST REPORT

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TEST REPORT

Report No.:	ME-NG06561N-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 200 kVA (Jackwell Pump House)	Sample Quantity / Packing	SO ₂ : 30 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference.		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 200 kVA
Stack attached to	DG Set 200 kVA
Material of construction	M.S.
Stack height above ground level (Meter)	5
Stack Diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	17

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Sulphur Dioxide (SO ₂)	kg/d	0.060	IS 11255 (Part 2):1985; RA 2019

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TEST REPORT

Report No.:	ME-NG06562-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005985F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 125 kVA (Fire Section)	Sample Quantity / Packing	Thimble: 1 X 1 No. SO ₂ : 30 mL X 1 No. PVC Bottle NO _x : 25 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 125kVA
Stack attached to	DG Set 125kVA
Material of construction	M.S.
Stack height above ground level (Meter)	5
Stack Diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	4

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Flue gas Temperature	°C	97	IS 11255 (Part 3):2008; RA 2018
2	Flue gas Velocity	m/s	6.5	IS 11255 (Part 3):2008; RA 2018
3	Total gas quantity	Nm ³ /h	148	IS 11255 (Part 3):2008; RA 2018
4	Particulate Matter (PM)	mg/Nm ³	20	IS 11255 (Part 1):1985 RA 2019
5	Sulphur Dioxide (SO ₂)	mg/Nm ³	13	IS 11255 (Part 2):1985; RA 2019
6	Oxides of Nitrogen (NO _x)	mg/Nm ³	148	IS 11255 (Part 7): 2005; RA 2017

END OF REPORT





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TEST REPORT

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TEST REPORT

Report No.:	ME-NG06562N-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 125 kVA (Fire Section)	Sample Quantity / Packing	SO ₂ : 30 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 125kVA
Stack attached to	DG Set 125kVA
Material of construction	M.S.
Stack height above ground level (Meter)	5
Stack Diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	4

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Sulphur Dioxide (SO ₂)	kg/d	0.060	IS 11255 (Part 2):1985, RA 2019

END OF REPORT

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TEST REPORT

Report No.:	ME-NG06563-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005986F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 125 kVA (WTP Plant Room)	Sample Quantity / Packing	Thimble: 1 X 1 No. SO ₂ : 30 mL X 1 No. PVC Bottle NO _x : 25 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 125kVA
Stack attached to	DG Set 125kVA
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

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Flue gas Temperature	°C	99	IS 11255 (Part 3):2008; RA 2018
2	Flue gas Velocity	m/s	6.8	IS 11255 (Part 3):2008; RA 2018
3	Total gas quantity	Nm ³ /h	153	IS 11255 (Part 3):2008; RA 2018
4	Particulate Matter (PM)	mg/Nm ³	26	IS 11255 (Part 1):1985 RA 2019
5	Sulphur Dioxide (SO ₂)	mg/Nm ³	32	IS 11255 (Part 2):1985; RA 2019
6	Oxides of Nitrogen (NO _x)	mg/Nm ³	156	IS 11255 (Part 7): 2005; RA 2017

END OF REPORT





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TEST REPORT

Report No.:	ME-NG06563-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005986F	

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TEST REPORT

Report No.:	ME-NG06563N-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Stack Emission	Sample Collected by	Laboratory
Sampling Location	DG Set 125 kVA (WTP Plant Room)	Sample Quantity / Packing	SO ₂ : 30 mL X 1 No. PVC Bottle
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	12.04.2023

Stack Details	
Stack Identity	DG Set 125kVA
Stack attached to	DG Set 125kVA
Material of construction	M.S.
Stack height above ground level (Meter)	5
Stack Diameter (Meter)	0.10
Stack shape at top	Round
Type of fuel	Diesel
Fuel Consumption (L/h)	4

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)			
1	Sulphur Dioxide (SO ₂)	kg/d	0.118	IS 11255 (Part 2):1985; RA 2019

END OF REPORT

- Note:**
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TEST REPORT

Report No.:	ME-NG06572-230420- SA-LR-PUNE	Date: 20.04.2023
ULR No.:	TC748723000005995F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Soil	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity / Packing	1 kg X 1 No. Polythene Bag
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India		
Date of Start of Analysis	10.04.2023	Date of Completion of Analysis	20.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Soil)			
1.	pH (1+5)	-	8.4	FAO 1976, Sec.III,1, Page No. 65
2.	Organic Carbon	%	0.327	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4-17, Page No 83
3.	Moisture Content	%	9.89	IS 2720 (Part II): 1973, RA 2002, Ed. 3.1
4.	Available Nitrogen	mg/kg	56.0	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India, Sec.4 -17, Page No 89
5.	Available Phosphorous	mg/kg	12.0	FAO Sec. III .12-1 Page no-157
6.	Total Cadmium	mg/kg	BQL (LOQ:2)	USEPA/SW 846 Method 3050B, Rev 2: Dec.1996 and 7000B, Rev 2, Feb 2007
7.	Total Chromium	mg/kg	81.3	USEPA/SW 846 Method 3050B, Rev 2: Dec.1996 and 7000B, Rev 2, Feb 2007
8.	Total Copper	mg/kg	75.3	USEPA/SW 846 Method 3050B, Rev 2: Dec.1996 and 7000B, Rev 2, Feb 2007
9.	Total Lead	mg/kg	8.67	USEPA/SW 846 Method 3050B, Rev 2: Dec.1996 and 7000B, Rev 2, Feb 2007
10.	Total Zinc	mg/kg	59.0	USEPA/SW 846 Method 3050B, Rev 2: Dec.1996 and 7000B, Rev 2, Feb 2007

END OF REPORT

Page 1 of 2
QF/SALE/02
Issue No 03
Date 05.12.2019.
Amd 01 Date
24.12.2022


Harish Mendhi
Technical Manager
Chemical Testing





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TEST REPORT

Report No.:	ME-NG06572-230420- SA-LR-PUNE	Date: 20.04.2023
ULR No.:	TC748723000005995F	

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TEST REPORT

Report No.:	ME-NG06572N-230420- SA-LR-PUNE	Date: 20.04.2023
ULR No.:	-	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Soil	Sample Collected by	Laboratory
Sampling Location	Project Site	Sample Quantity / Packing	1 kg X 1 No. Polythene Bag
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	Manual of Soil Testing, Department of Agriculture & Cooperation, Ministry of Agriculture, Govt. India		
Date of Start of Analysis	10.04.2023	Date of Completion of Analysis	20.04.2023

Sr. No.	Parameter	Unit	Result	Method Reference
	<u>Discipline: Chemical Testing;</u> <u>Product Group: Pollution & Environment (Soil)</u>			
1.	Chloride	mg/kg	70.9	USEPA/SW 846 Method 9253:1996
2.	Sulphate	mg/kg	54.1	IS 2720 (Part XXVII):1977, Reaffirmed 2001.
3.	Oil & Grease	mg/kg	BQL (LOQ:5)	CPCB (HW) manual, Page No. 156

END OF REPORT

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TEST REPORT

Report No.:	ME-NG06555-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005978F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Near First Avenue	Sample Quantity / Packing	PM ₁₀ : Filter Paper 1 X 1 No. PM _{2.5} : Filter Paper 1 X 1 No. SO ₂ : 30 mL X 2 No. PVC Bottle NO ₂ : 30 mL X 2 No. PVC Bottle CO: 2L X 1 No. Gas Bladder
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	11.04.2023

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO ₂)	µg/m ³	6.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO ₂)	µg/m ³	8.1	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	52	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	19	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Carbon Monoxide (CO)	mg/m ³	0.77	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)

END OF REPORT





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TEST REPORT

Report No.:	ME-NG06555-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005978F	

- Note:**
1. BQL: Below Quantification Limit.
 2. LOQ: Limit of Quantification.
 3. Duration of Sampling: 8h
 4. TWA: Time Weighted Average
 5. NAAQS: National Ambient Air Quality Standard
 6. #- NAAQS specified as: 24 h. TWA in case of SO₂, NO₂, PM₁₀, PM_{2.5}, 1 h. TWA in case of CO.
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TEST REPORT

Report No.:	ME-NG06556-230413- SA-LR-PUNE	Date:	13.04.2023
ULR No.:	TC748723000005979F		

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Near Main Gate	Sample Quantity / Packing	PM ₁₀ : Filter Paper 1 X 1 No. PM _{2.5} : Filter Paper 1 X 1 No. SO ₂ : 30 mL X 2 No. PVC Bottle NO ₂ : 30 mL X 2 No. PVC Bottle CO: 2L X 1 No. Gas Bladder
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	11.04.2023

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO ₂)	µg/m ³	9.8	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO ₂)	µg/m ³	11.4	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	57	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	22	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Carbon Monoxide (CO)	mg/m ³	0.98	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22. (NDIR method)

END OF REPORT





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TEST REPORT

Report No.:	ME-NG06556-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005979F	

- Note:**
1. BQL: Below Quantification Limit.
 2. LOQ: Limit of Quantification.
 3. Duration of Sampling: 8h
 4. TWA: Time Weighted Average
 5. NAAQS: National Ambient Air Quality Standard
 6. #- NAAQS specified as: 24 h. TWA in case of SO₂, NO₂, PM₁₀, PM_{2.5}, 1 h. TWA in case of CO.
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TEST REPORT

Report No.:	ME-NG06557-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005980F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal- Mulshi, Dist-Pune		WO No.: Verbal WO Date: -
Sample Description / Type	Ambient Air	Sample Collected by	Laboratory
Sampling Location	Near 16 th Avenue	Sample Quantity / Packing	PM ₁₀ : Filter Paper 1 X 1 No. PM _{2.5} : Filter Paper 1 X 1 No. SO ₂ : 30 mL X 2 No. PVC Bottle NO ₂ : 30 mL X 2 No. PVC Bottle CO: 2L X 1 No. Gas Bladder
Date of Sampling	07.04.2023	Date of Receipt of Sample	08.04.2023
Sampling Procedure	As per method reference		
Date of Start of Analysis	08.04.2023	Date of Completion of Analysis	11.04.2023

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO ₂)	µg/m ³	8.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO ₂)	µg/m ³	12.1	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	52	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	16	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Carbon Monoxide (CO)	mg/m ³	0.80	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)

END OF REPORT





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TEST REPORT

Report No.:	ME-NG06557-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005980F	

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 3. Duration of Sampling: 8h
 4. TWA: Time Weighted Average
 5. NAAQS: National Ambient Air Quality Standard
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TEST REPORT

Report No.:	ME-NG06558-230413- SA-LR-PUNE	Date: 13.04.2023
ULR No.:	TC748723000005981F	

Name and Address of Customer	Kolte Patil Integrated Townships Ltd. Life Republic S. No. 74, Marunji, Tal.- Mulshi, Dist- Pune	WO No.:	Verbal
Sample Description / Type	Ambient Noise	WO Date:	-
Date of Sampling	07.04.2023	Sampling Procedure	IS 9876:1981

Sr. No.	Location	Time in h	Sound Level L_{eq} dB (A) Fast Response	Sound Level L_{eq} dB (A) Slow Response
Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Noise)				
1	Near First Avenue	11:00	54.8	53.7
		22:00	42.2	41.6
2	Near 16 th Avenue	12:00	54.3	53.6
		23:00	41.4	40.7
3	Near Main Gate	11:30	54.9	53.8
		22:30	42.7	41.5

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 Time (6:00 a.m. to 10:00 p.m.)	Night Time (10:00 p.m. to 6:00 a.m.)
A	Industrial Area	75	70
B	Commercial Area	65	55
C	Residential Area	55	45
D	Silence Zone	50	40

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