

**Test Report  
Water Quality**

Format No. : ELPL/QD4/TRD/7.8/W

Report No. : ELPL/06-23/02	Report Date : 12-06-2023
Name & Address of the Customer: <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Drinking Water Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2019 Sample Inward No: : ELPL/June-23/55/06/W-02	Sampling Location : Drinking Water from Tap Near Canteen Environmental Condition : Sunny (during sampling)
Sampling Date : 06-06-2023 Sample Receipt Date : 06-06-2023	Sampled By: ELPL Representative
Period of Analysis : From 07-06-2023 to 12-06-2023	

**Results of Analysis**

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
<b>Discipline : Chemical, Group : Water, Sub Group : Drinking Water</b>					
1	Colour	Hazen Units	5/15	1.0	IS 3025 (Part 4): 2021
2	Odour	--	Agreeable	Agreeable	IS 3025 (Part 6): 2018
3	pH value	--	6.5 to 8.5	7.96	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
4	Taste	--	Agreeable	Agreeable	IS 3025 (Part 8): 1984 RA 2017
5	Turbidity	NTU	1/5	< 0.1	IS 3025 (Part 10): 1984 RA 2017
6	Total Dissolved Solids	mg/l	500/2000	272.0	IS 3025 (Part 16): 1984 RA 2017
7	Aluminium (as Al)	mg/l	0.03/0.2	0.04	ELPL SOP No. BTS-13/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020
8	Ammonical Nitrogen (as N)	mg/l	0.5	< 0.08	IS 3025 (Part 34): 1988 RA 2019 (Clause 2.3)
9	Anionic Detergents (as MBAS)	mg/l	0.2/1.0	< 0.1	IS 13428 (Annex K) : 2005 RA 2019
10	Boron (as B)	mg/l	0.5/1.0	0.07	ELPL SOP No. BTM-1/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020
12	Calcium (as Ca)	mg/l	75/200	25.6	IS 3025 (Part 40): 1991 RA 2019 (Clause 5.0)
13	Chloride (as Cl)	mg/l	250/1000	37.5	IS 3025 (Part 32): 1988 RA 2019 (Clause 2.0)
14	Copper (as Cu)	mg/l	0.05/1.5	< 0.01	ELPL SOP No. BTS-13/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020



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Email: earthcare2000@gmail.com, Website: www.earthcarenagpur.com

Format No. : ELPL/QD4/TRD/7.8/W

Report No. : ELPL/06-23/02			Report Date : 12-06-2023		
Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
15	Fluoride (as F)	mg/l	1.0/1.5	0.35	IS 3025 (Part 60): 2008 RA 2019 (Clause 6.0)
16	Free Residual Chlorine	mg/l	0.2/1.0	< 0.1	IS 3025 (Part 26): 2021
17	Iron (as Fe)	mg/l	1.0	< 0.05	ELPL SOP No. BTM-7/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020
18	Magnesium (as Mg)	mg/l	30/100	15.6	IS 3025 (Part 46): 1994 RA 2019 (Clause 6.0)
19	Manganese (as Mn)	mg/l	0.1/0.13	< 0.01	ELPL SOP No. BTS-13/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020
20	Nitrate (as NO <sub>3</sub> )	mg/l	45	1.03	APHA -23 <sup>rd</sup> Ed. -4500 (NO <sub>3</sub> -) (B)
21	Phenolic Compounds or Phenol (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001/0.002	< 0.001	IS 3025 (Part 43): 1992 RA 2019
22	Selenium (as Se)	mg/l	0.01	< 0.01	ELPL SOP No. BTS-5/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020
23	Sulphate (as SO <sub>4</sub> )	mg/l	200/400	30.2	APHA 23 <sup>rd</sup> Ed - 4500 SO <sub>4</sub> <sup>2-</sup> (E)
24	Sulphide (as H <sub>2</sub> S)	mg/l	0.05	< 0.04	IS 3025 (Part 29):2003 RA 2019
25	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200/600	115.5	IS 3025 (Part 23): 1986 RA 2019
26	Total Hardness( as CaCO <sub>3</sub> )	mg/l	200/600	128.0	IS 3025 (Part 21): 2009 RA 2019 (Clause 5.0)
27	Zinc (as Zn)	mg/l	5/15	0.09	ELPL SOP No. BTS-13/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020
28	Lead (as Pb)	mg/l	0.01	< 0.01	ELPL SOP No. BTS-13/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020
29	Nickel (as Ni)	mg/l	0.02	< 0.02	ELPL SOP No. BTS-13/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020
30	Total Arsenic (as As)	mg/l	0.01	< 0.01	ELPL SOP No. BTS-1/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020
31	Total Chromium (as Cr)	mg/l	0.05	< 0.01	ELPL SOP No. BTS-13/Issue No. 01/Jan-20 based on IS 3025 (Part 2): 2020

Note : 1. \* indicates IS 10500 : 2012 RA 2012 Drinking Water – Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit  
2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.



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## Test Report Effluent Quality

Format No. : ELPL/QD4/TRD/7.8/EI

Report No. : ELPL/06-23/02	Report Date : 12-06-2023
Name & Address of the Customer: <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Waste Water (Effluent) Sampling Ref Method : IS 3025 (Part 1) : 1987 RA 2019 Sample Inward No. : ELPL/June-23/55/06/EI-02	Sampling Location : Primary Treated Effluent Environmental Condition : Sunny (during sampling)
Sampling Date : 06-06-2023 Sample Receipt Date : 06-06-2023	Sampled By: ELPL Representative
Period of Analysis : From 07-06-2023 to 12-06-2023	

### Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
<b>Discipline : Chemical, Group : Pollution &amp; Environment, Sub Group : Waste Water (Effluent)</b>					
1.	pH value	--	6.0 to 8.5	7.04	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2.	Biochemical Oxygen Demand (BOD)	mg/l	100	6.40	IS 3025 (Part 44): 1993 RA 2019
3.	Chemical Oxygen Demand (COD)	mg/l	250	172.0	IS 3025 (Part 58): 2006 RA 2017
4.	Total Suspended Solids (TSS)	mg/l	100	43.4	IS 3025 (Part 17): 1984 RA 2017
5.	Oil & Grease	mg/l	10.0	< 0.2	IS 3025(Part 39): 1991 RA 2019
6.	Ammonical Nitrogen (as N)	mg/l	50	0.47	IS 3025 (Part 34):1988 RA 2019 (Clause No. 2.3)
7.	Phenolic Compounds or Phenols (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	1	0.002	IS 3025 (Part 43): 1992 RA 2019 (Clause No. 6)
8.	Total Dissolved Solids	mg/l	2100	2070.0	IS 3025 (Part 16): 1984 RA 2017
9.	Mercury (as Hg)	mg/l	0.01	0.003	ELPL SOP No. BTM-10/Issue No.01/Jan - 20
10.	Total Arsenic (as As)	mg/l	0.2	0.04	ELPL SOP No.BTS-1/Issue No.01/Jan-20
11.	Chromium Hexavalent (as Cr <sup>6+</sup> )	mg/l	0.1	0.02	IS 3025 (Part 52): 2003 RA 2019 (Clause No. 6)
12.	Lead (as Pb)	mg/l	0.1	0.02	ELPL SOP No. BTM-8/Issue No.01/Jan - 20
13.	Cyanide (as CN)	mg/l	0.1	< 0.05	IS 3025 (Part 27) : 1986 RA 2019
14.	Sulphide (as H <sub>2</sub> S)	mg/l	2	< 0.04	IS 3025 (Part 29):1986 RA 2019 (Clause No. 3)



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Format No. : ELPL/QD4/TRD/7.8/EI

Report No. : ELPL/06-23/02			Report Date : 12-06-2023		
Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
15.	Total Phosphate (as PO <sub>4</sub> )	mg/l	5	0.41	IS 3025 (Part 31):1988 RA 2019 (Clause No. 4
16.	Chloride (as Cl )	mg/l	600	594.8	IS 3025 (Part 32): 1988 RA 2019 (Clause 2.0)
17.	Sulphate (as SO <sub>4</sub> )	mg/l	1000	228.3	APHA 23 <sup>rd</sup> Ed - 4500 SO <sub>4</sub> <sup>2-</sup> (E)
Note : 1. * Consent No. Format 1.0/CC/UAN No. 0000121034?CR/2205000385 Dtd. 07-05-2022. 2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.					
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## Test Report Effluent Quality

Format No. : ELPL/QD4/TRD/7.8/ED

Report No. : ELPL/06-23/01	Report Date : 12-06-2023
Name & Address of the Customer: <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Waste Water (Sewage)	Sampling Location : STP Treated Water
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2019	Environment Condition: Sunny (during sampling)
Sample Inward No. : ELPL/June-23/55/06//ED-01	Sampled by : ELPL Representative
Sampling Date : 06-06-2023	
Sample Receipt Date : 06-06-2023	
Period of Analysis : From 07-06-2023 to 12-06-2023	

### Results of Analysis

Sr. No.	Test Parameters	Unit	Result	Test Method
<b>Discipline : Chemical, Group : Pollution &amp; Environment, Sub Group : Waste Water (Sewage)</b>				
1.	Suspended Solids (SS)	mg/l	41.0	IS 3025 (Part 17): 1984 RA 2017
2.	Biochemical Oxygen Demand (BOD)	mg/l	18.0	IS 3025 (Part 44): 1993 RA2019
3.	Chemical Oxygen Demand (COD)	mg/l	92.0	IS 3025 (Part 58): 2006 RA2017
4.	Bioassay Test	%	90.0	IS 6582 (Part 2) 2001 RA2019

Note : 1. \* Consent No. Format I.0/CC/UAN No. 0000121034/CR/2205000385 Dtd. 07-05-2022.  
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## Test Report Water Quality

Format No. : ELPL/QD4/TRD/7.8/BAC

Report No. : ELPL/06-23/02	Report Date : 12-06-2023
Name & Address of the Customer : <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Drinking Water Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2019 Sample Inward No. : ELPL/June-23/55/06/BAC-02	Sampling Location : Drinking Water from Tap Near Canteen Environmental Condition : Sunny (during sampling)
Sampling Date : 06-06-2023 Sample Receipt Date : 06-06-2023	Sampled By: ELPL Representative
Period of Analysis : From 07-06-2023 to 12-06-2023	

### Results of Analysis

Sr. No.	Parameters	Unit	Norms*	Result	Method
<b>Discipline : Biological , Group : Water, Sub Group : Drinking Water</b>					
1.	Total Coliform Bacteria	CFU/100ml	Shall not be detectable	Not Detected	APHA: 9222(B) 23 <sup>rd</sup> Edition
2.	Thermotolerant Coliform Bacteria	CFU/100 ml	Shall not be Detectable	Not Detected	APHA: 9222 (D) 23 <sup>rd</sup> Edition
Note : 1. * indicates IS 10500 : 2012 RA 2012 Drinking Water – Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit 2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.					
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### Test Report Ambient Air Quality

Format No. : ELPL/QD4/TRD/7.8/AA

Report No.: ELPL/06-23/20	Report Date : 12-06-2023
Name & Address of the Customer: <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No. K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Ambient Air	Sampling Location : Near Security Main Gate
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/June-23/55/15/AA-20	Prominent Wind Direction : N
Avg. Ambient Temp : 35.2 °C	Average Wind Speed : 9.1 Km/Hr
Avg. Relative Humidity : 36.4 %	Sampled by : ELPL Representative
Sampling Date : From 05-06-2023 to 06-06-2023	Sample Receipt Date : 07-06-2023
Period of Analysis : From 07-06-2023 to 12-06-2023	

### Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
<b>Discipline : Chemical, Group: Atmospheric Pollution, Sub Group : Ambient Air</b>					
1.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	18.2	IS 5182 (Part 2): 2001 RA 2017
2.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	80	20.4	IS 5182 (Part 6) : 2006 RA 2017
3.	Particulate Matter size less than 10 µm (PM <sub>10</sub> )	µg/m <sup>3</sup>	100	59.6	IS 5182 (Part 23) : 2006 RA 2017
4.	Particulate Matter size less than 2.5 µm (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	60	29.2	IS : 5182 (Part 24) : 2019

Note : 1. \* indicates NAAQS (Govt. of India MoEF Notification No. GSR 826 CE dtd.16-11-2009 as amended).  
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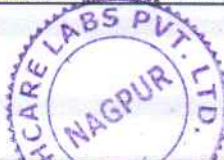
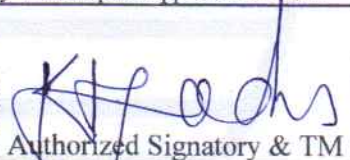
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## Test Report Ambient Air Quality

Format No. : ELPL/QD4/TRD/7.8/AA

Report No.: ELPL/06-23/21	Report Date : 12-06-2023
Name & Address of the Customer: <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Ambient Air	Sampling Location : Near Boiler House
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/June-23/55/15/AA-21	Prominent Wind Direction : N
Avg. Ambient Temp : 35.2 °C	Average Wind Speed : 9.1 Km/Hr
Avg. Relative Humidity : 36.4 %	Sampled by : ELPL Representative
Sampling Date : From 05-06-2023 to 06-06-2023	
Sample Receipt Date : 07-06-2023	
Period of Analysis : From 07-06-2023 to 12-06-2023	

### Results of Analysis

Sr. No.	Test Parameters	Unit	Norms*	Result	Test Method
<b>Discipline : Chemical, Group: Atmospheric Pollution, Sub Group : Ambient Air</b>					
1.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	11.5	IS 5182 (Part 2): 2001 RA 2017
2.	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	80	25.2	IS 5182 (Part 6) : 2006 RA 2017
3.	Particulate Matter size less than 10 µm ( PM <sub>10</sub> )	µg/m <sup>3</sup>	100	54.1	IS 5182 (Part 23) : 2006 RA.2017
4.	Particulate Matter size less than 2.5 µm (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	60	30.4	IS : 5182 (Part 24) : 2019
Note : 1. * indicates NAAQS (Govt. of India MoEF Notification No. GSR 826 CE dtd.16-11-2009 as amended). 2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.					
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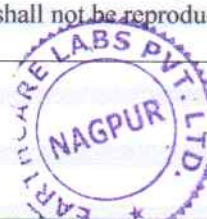
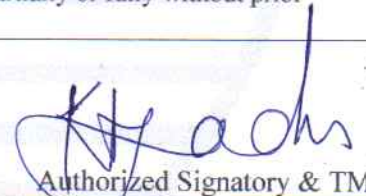
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### Test Report Stack Emission Quality

Format No. : ELPL/QD4/TRD/7.8/S

Report No. : ELPL/06-23/04	Report Date : 12-06-2023
Name & Address of the Customer : <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd, 06-06-2019	
Sample Description : Stack Emission	Sampling Location : Boiler No. 1 (4 TPH)
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/June-23/55/15/S-04	Sampled By: ELPL, Representative
Sampling Date : 06-06-2023	
Sample Receipt Date : 07-06-2023	
Stack Height : 27 mtr.	Temperature of Flue Gas : 140 °C
Stack Diameter at Port : 0.65 mtr.	Velocity of Flue Gas : 9.90 m/sec
Type of Fuel : Biocoal/Biomass Pallets	Flow Rate of Flue Gas : 8275.52 Nm <sup>3</sup> /hr
Period of Analysis : From 07-06-2023 to 12-06-2023	

### Results of Analysis

Sr. No.	Test Parameters	Unit	Norm*	Result	Test Method
<b>Discipline : Chemical, Group: Atmospheric Pollution, Sub Group : Stack Emission</b>					
1.	Particulate Matter	mg/Nm <sup>3</sup>	150	137.9	IS 11255 (Part 1):1985 RA 2019
2.	Sulphur Dioxide (as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	--	57.1	IS 11255 (Part 2):1985 RA 2019
3.	Sulphur Dioxide (as SO <sub>2</sub> )	kg/day	16.48	11.3	IS 11255 (Part 2):1985 RA 2019
Note : 1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2205000385 Dtd. 07-05-2022. 2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.					
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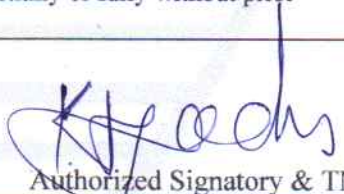
## Test Report

### Stack Emission Quality

Format No. : ELPL/QD4/TRD/7.8/IL

Report No. : ELPL/06-23/05	Report Date : 12-06-2023
Name & Address of the Customer : <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Stack Emission Sampling Ref Method : As Per Test Method Sample Inward No. : ELPL/June-23/55/15/S-05	Sampling Location : Thermic Fluid Heater (TFH) Environmental Condition : Sunny (during sampling)
Sampling Date : 06-06-2023 Sample Receipt Date : 07-06-2023	Sampled By: ELPL, Representative
Stack Height : 17.0 mtr above enclosure Stack Diameter at Port : 0.30 mtr Type of Fuel : Biocoal/Bionass Pallets	Temperature of Flue Gas : 164 °C Velocity of Flue Gas : 10.6 m/sec Flow Rate of Flue Gas : 1783.86 Nm <sup>3</sup> /hr
Period of Analysis : From 07-06-2023 to 12-06-2023	

## Results of Analysis

Sr. No.	Test Parameters	Unit	Norm*	Result	Test Method
<b>Discipline : Chemical, Group: Atmospheric Pollution, Sub Group : Stack Emission</b>					
1.	Particulate Matter	mg/Nm <sup>3</sup>	150	35.9	IS 11255 (Part 1):1985 RA 2019
2.	Sulphur Dioxide (as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	--	45.6	IS 11255 (Part 2):1985 RA 2019
3.	Sulphur Dioxide (as SO <sub>2</sub> )	kg/day	13.82	1.95	IS 11255 (Part 2):1985 RA 2019
Note :	1. * Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2205000385 Dtd. 07-05-2022. 2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.				
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**Test Report**  
**Stack Emission Quality**

Format No. : ELPL/QD4/TRD/7.8/S

Report No. : ELPL/06-23/06	Report Date : 12-06-2023
Name & Address of the Customer : <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Stack Emission	Sampling Location : D. G. Set 125 KVA
Sampling Ref Method : As Per Test Method	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/June-23/55/15/S-06	
Sampling Date : 06-06-2023	Sampled By: ELPL, Representative
Sample Receipt Date : 07-06-2023	
Stack Height : 3.0 mtr above enclosure	Temperature of Flue Gas : 90 °C
Stack Diameter at Port : 0.15 mtr	Velocity of Flue Gas : 8.80 m/sec
Type of Fuel : HSD	Flow Rate of Flue Gas : 445.66 Nm <sup>3</sup> /hr
Period of Analysis : From 07-06-2023 to 12-06-2023	

**Results of Analysis**

Sr. No.	Test Parameters	Unit	Norm*	Result	Test Method
<b>Discipline : Chemical, Group: Atmospheric Pollution, Sub Group : Stack Emission</b>					
1.	Particulate Matter	mg/Nm <sup>3</sup>	150	35.7	IS 11255 (Part 1):1985 RA 2019
2.	Sulphur Dioxide (as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	--	59.8	IS 11255 (Part 2):1985 RA 2019
3.	Sulphur Dioxide (as SO <sub>2</sub> )	kg/day	4	0.64	IS 11255 (Part 2):1985 RA 2019

Note : 1. \* Consent No. Format 1.0/CC/UAN No. 0000121034/CR/2205000385 Dtd. 07-05-2022.  
2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

  
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# EARTHCARE LABS PRIVATE LIMITED

**Environmental Laboratory & Consultancy Organization**

(MoEF&CC Recognized, ISO 9001, ISO 14001 & OHSAS 45001 Certified)

C-11, Amar Enclave Commercial Wing, Jog Layout, Prashant Nagar, Near Ajni Square, Nagpur – 440 015, Tel & Fax: (0712) 2251470, Cell: 9766616862

**Email:** earthcare2000@gmail.com, **Website:** www.earthcarenagpur.com

## Test Report Source Noise Quality

Format No. : ELPL/QD4/TRD/7.8/IL

Report No. : ELPL/06-23/02	Report Date : 12-06-2023
Name & Address of the Customer : <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Insertion Loss	Sampling Location : D.G. Set 125 KVA
Sampling Ref Method : IS 4758: 1968 RA 2017	Environment Condition: Sunny
Sample Inward No. : ELPL/June-23/55/15/IL-02	(during sampling)
Sampling Date : 06-06-2023	Sampled By: ELPL Representative

### Results of Measurements

Test Parameter	Measurement	Sound Pressure Level dB(A) Inside D.G Set Acoustic Enclosure	Sound Pressure Level dB(A) 0.5 m from D.G Set Acoustic Enclosure	Insertion Loss in dB(A)
<b>Discipline : Chemical, Group : Atmospheric Pollution, Sub Group : Source Noise Levels (Excluding Vibration)</b>				
Insertion Loss in dB(A)	Avg.	99.3	73.9	25.4
	Norms*	--	--	> 25

Note : 1. \*indicates Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules,2000 (S.O. 1046 (E) dtd 22-11-2000  
2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.





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**Test Report  
Ambient Noise Quality**

Format No. : ELPL/QD4/TRD/7.8/AN

Report No.: ELPL/06-23/09	Report Date : 12-06-2023
Name & Address of the Customer : <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No .K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Ambient Noise Levels (Excluding Vibration)	Sampling Location : Near Security Main Gate
Sampling Ref Method : IS 9989: 1981 RA 2020	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/June-23/55/15/AN-09	
Sampling Date : 05-06-2023	Sampled by : ELPL Representative
Location (Type) : Industrial / Commercial / Residential / Silence	

**Results of Measurements**

Test Parameter	During Day Time (Hrly Avg)	During Night Time (Hrly Avg)
<b>Discipline : Chemical, Group: Atmospheric Pollution, Sub Group : Ambient Noise Levels (Excluding Vibration)</b>		
Equivalent Sound Level Leq dB(A)	63.0	51.6
<b>Norms*</b>	Industrial Area	75
	Commercial Area	65
	Residential Area	55
	Silence Zone	50
Note : 1. *indicates Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules,2000 (S.O. 1046 (E) dtd 22-11-2000 2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.		
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**Email:** earthcare2000@gmail.com, **Website:** www.earthcarenagpur.com

## Test Report Ambient Noise Quality

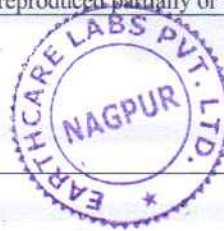
Format No. : ELPL/QD4/TRD/7.8/AN

Report No.: ELPL/06-23/10	Report Date : 12-06-2023
Name & Address of the Customer : <b>M/s. INVENTYS RESEARCH CO. PVT. LTD.,</b> Plot No. K-38, MIDC, Butibori, Dist.- Nagpur.	
Ref.: Work Order No. PO-MT/0112/19-20/NAG dtd. 06-06-2019	
Sample Description : Ambient Noise Levels (Excluding Vibration)	Sampling Location : Near Boiler House
Sampling Ref Method : IS 9989: 1981 RA 2020	Environmental Condition : Sunny (during sampling)
Sample Inward No. : ELPL/June-23/55/15/AN-10	
Sampling Date : 05-06-2023	Sampled by : ELPL Representative
Location (Type) : Industrial / Commercial / Residential / Silence	

### Results of Measurements

Test Parameter	During Day Time (Hrly Avg)	During Night Time (Hrly Avg)
<b>Discipline : Chemical, Group: Atmospheric Pollution, Sub Group : Ambient Noise Levels (Excluding Vibration)</b>		
Equivalent Sound Level Leq dB(A)	65.0	54.6
<b>Norms*</b>	Industrial Area	75
	Commercial Area	65
	Residential Area	55
	Silence Zone	50

Note : 1. \*indicates Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules, 2000 (S.O. 1046 (E) dtd 22-11-2000)  
2. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of EPL.



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