



EARTHCARE LABS PRIVATE LIMITED

(Laboratory Division)

Environmental Laboratory & EIA Consultant Organization

(NABL QCI Accredited, MoEF Recognized, NABET QCI Accredited, ISO 9001, ISO 14001 & OHSAS 18001 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 Water Quality

Report No. : ELPL/QD4/TRD/5.10/W/Mar-19/27	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Ground Water	Sampling Location : Drinking Water From Lunch Room Water Cooler
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009	Environment Condition: Sunny (during sampling)
Sample Inward No. : ELPL/Mar-19/29/40/W-27	
Sampling Date : 18-03-19	Sampled by : ELPL Representative
Sample Receipt Date : 18-03-19	
Period of Analysis : From 19-03-2019 to 26-03-2019	

Results of Analysis

Sr. No.	Test Parameters	Unit	Acceptable/ Permissible Limit	Result	Test Method
1	Colour*	Hazen Units	5/15	1.0	IS 3025 (Part 4):1983 RA 2017 (Clause 2.0),
2	Odour*	--	Agreeable	Agreeable	IS 3025 (Part 6): 1983 RA 2017
3	pH value*	--	6.5 to 8.5	7.93	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
4	Turbidity*	NTU	1/5	0.40	IS 3025 (Part 10): 1984 RA 2017
5	Total Dissolved Solids *	mg/l	500/2000	555.0	IS 3025 (Part 16): 1984 RA 2017
6	Chloride (as Cl) *	mg/l	250/1000	31.9	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
7	Fluoride (as F) *	mg/l	1.0/1.5	0.74	IS 3025 (Part 60): 2008 RA 2013 (Clause 6.0)
8	Iron (as Fe)*	mg/l	0.3	<0.02	IS 3025 (Part 53): 2004 RA 2014
9	Sulphate (as SO ₄)*	mg/l	200/400	80.7	APHA 22nd Ed - 4500 SO ₄ ²⁻ (E)
10	Total Alkalinity (as CaCO ₃)*	mg/l	200/600	145.0	IS 3025 (Part 23): 1986 RA 2014
11	Total Hardness (as CaCO ₃) *	mg/l	200/600	220.0	IS 3025 (Part 21): 2009 RA 2014 (Clause 5.0)



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

Report No. : ELPL/QD4/TRD/5.10/W/Mar-19/27				Report Date : 26-03-2019	
Sr. No.	Test Parameters	Unit	Acceptable/ Permissible Limit	Result	Test Method
12	Total Suspended Solids	mg/l	--	<0.2	IS 3025 (Part 17): 1984 RA 2017
13	Carbonate (as CO ₃)	mg/l	--	Nil	IS 3025 (Part 51): 2001 RA 2017 (Clause 7.0)
14	Bicarbonates (as HCO ₃)	mg/l	--	176.9	IS 3025 (Part 51): 2001 RA 2017 (Clause 7.0)
15	Electrical Conductivity	µmhos/cm	--	784.6	IS 3025 (Part 14): 1984 RA 2013

Norms : IS 10500: 2012 (Second Revision)

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

*indicates parameters are covered under NABL Scope of Accreditation.

Remarks : Water is meeting the norms for above parameters

For Earthcare Labs Pvt. Ltd.



(Signature)
(K.L.Jadhav)
Authorized Signatory & CEO



Certificate No.: TC-7572

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Test Report Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/EI/Mar-19/37	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Industrial Effluent Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009 Sample Inward No.: ELPL/Mar-19/29/40/EI-37	Sampling Location : ETP Untreated Effluent (Emulsion Plant) Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-2019 Sample Receipt Date : 18-03-2019	Sampled by : ELPL Representative
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Result	Test Method
1	pH value*	--	7.50	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)*	mg/l	240.0	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)*	mg/l	236.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)*	mg/l	1008.0	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/l	1.0	IS 3025(Part 39): 1991 RA 2014
6	Total Dissolved Solids	mg/l	22854.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl)	mg/l	204.9	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
8	Sulphate (as SO ₄)	mg/l	129.9	APHA 22nd Ed - 4500 SO42- (E)
9	Lead (as Pb)	mg/l	0.04	IS 3025 (Part 2): 2004 RA 2014

Note : 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

Report No. : ELPL/QD4/TRD/5.10/EI/Mar-19/38	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Industrial Effluent Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009 Sample Inward No.: ELPL/Mar-19/29/40/EI-38	Sampling Location : ETP Treated Effluent (Emulsion Plant) Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-2019 Sample Receipt Date : 18-03-2019	Sampled by : ELPL Representative
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms	Result	Test Method
1	pH value*	--	5.5 to 9.0	7.98	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)*	mg/l	100	26.0	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)*	mg/l	100	7.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)*	mg/l	250	153.2	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/l	10	<0.2	IS 3025(Part 39): 1991 RA 2014
6	Total Dissolved Solids	mg/l	2100	1316.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl)	mg/l	600	66.9	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
8	Sulphate (as SO ₄)	mg/l	1000	28.1	APHA 22nd Ed - 4500 SO42- (E)
9	Lead (as Pb)	mg/l	0.10	0.02	IS 3025 (Part 2): 2004 RA 2014

Norms : Consent No.- Format 1.0/BO/CAC-Cell/UAN No.0000008004/4thCAC/1612001045 dtd. 30-12-2016

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Test Report

Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/EI/Mar-19/39	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Industrial Effluent Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009 Sample Inward No.: ELPL/Mar-19/29/40/EI-39	Sampling Location : ETP Untreated Effluent LA/LS Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-2019 Sample Receipt Date : 18-03-2019	Sampled by : ELPL Representative
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Result	Test Method
1	pH value*	--	6.01	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)*	mg/l	10.0	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)*	mg/l	3.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)*	mg/l	806.4	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/l	<0.2	IS 3025(Part 39): 1991 RA 2014
6	Total Dissolved Solids	mg/l	1778.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl)	mg/l	119.9	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
8	Sulphate (as SO ₄)	mg/l	39.8	APHA 22nd Ed - 4500 SO42- (E)
9	Lead (as Pb)	mg/l	0.20	IS 3025 (Part 2): 2004 RA 2014

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(Handwritten Signature)

(K.L.Jadhav)

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Test Report

Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/EI/Mar-19/40	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Industrial Effluent Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009 Sample Inward No.: ELPL/Mar-19/29/40/EI-40	Sampling Location : ETP Treated Effluent LA/LS Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-2019 Sample Receipt Date : 18-03-2019	Sampled by : ELPL Representative
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms	Result	Test Method
1	pH value*	--	5.5 to 9.0	7.11	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)*	mg/l	100	7.60	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)*	mg/l	100	<0.2	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)*	mg/l	250	84.6	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/l	10	<0.2	IS 3025(Part 39): 1991 RA 2014
6	Total Dissolved Solids	mg/l	2100	64.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl)	mg/l	600	9.90	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
8	Sulphate (as SO ₄)	mg/l	1000	2.79	APHA 22nd Ed - 4500 SO42- (E)
9	Lead (as Pb)	mg/l	0.10	0.03	IS 3025 (Part 2): 2004 RA 2014

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Certificate No.: TC-7572

Test Report Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/ED/Mar-19/16	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Domestic Effluent Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009 Sample Inward No.: ELPL/Mar-19/29/40/ED-16	Sampling Location : STP Untreated Effluent Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-2019 Sample Receipt Date : 18-03-2019	Sampled by : ELPL Representative
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Result	Test Method
1	pH value*	--	8.00	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)*	mg/l	30.0	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)*	mg/l	23.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)*	mg/l	88.7	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/l	<0.2	IS 3025(Part 39): 1991 RA 2014
6	Chloride (as Cl)	mg/l	374.8	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
7	Total Dissolved Solids	mg/l	2020.0	IS 3025 (Part 16): 1984 RA 2017
8	Dissolved Oxygen	mg/l	3.40	IS 3025 (Part 38): 1989 RA 2014 (Clause 4.0)
9	Total Ammonical Nitrogen as N (TAN)	mg/l	15.8	IS 3025 (Part 34): 1988 RA 2014 (Clause 2.3)
10	Nitrates (as NO ₃)	mg/l	47.5	APHA -22nd Ed. -4500 (NO ₃ -) (B)

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Test Report

Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/ED/Mar-19/17	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Domestic Effluent Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009 Sample Inward No. : ELPL/Mar-19/29/40/ED-17	Sampling Location : STP Treated Effluent
Sampling Date : 18-03-2019 Sample Receipt Date : 18-03-2019	Environment Condition: Sunny (during sampling) Sampled by : ELPL Representative
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms	Result	Test Method
1	pH value*	--	5.5 to 9.0	7.86	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)*	mg/l	100.0	4.80	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)*	mg/l	100.0	3.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)*	mg/l	250.0	40.3	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease	mg/l	10.0	<0.2	IS 3025(Part 39): 1991 RA 2014
6	Chloride (as Cl)	mg/l	600.0	359.8	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
7	Total Dissolved Solids	mg/l	2100.0	1770.0	IS 3025 (Part 16): 1984 RA 2017
8	Dissolved Oxygen	mg/l	--	5.10	IS 3025 (Part 38): 1989 RA 2014 (Clause 4.0)
9	Total Ammonical Nitrogen as N (TAN)	mg/l	--	4.11	IS 3025 (Part 34): 1988 RA 2014 (Clause 2.3)
10	Nitrates as (NO ₃)	mg/l	--	39.2	APHA -22nd Ed. -4500 (NO ₃ -) (B)

Norms : Consent No.- Format 1.0/BO/CAC-Cell/UAN No.0000008004/4thCAC/1612001045 dtd. 30-12-2016

Note : 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

Water Quality for Potability

Report No. : ELPL/QD4/TRD/5.10/BAC/Mar-19/26	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Bacteriological Sample Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009 Sample Inward No. : ELPL/Mar-19/29/40/BAC-26	Sampling Location : Drinking Water from Lunch Room Water Cooler Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-19 Sample Receipt Date : 18-03-19	Sampled by : ELPL Representative
Period of Analysis: From 19-03-2019 to 26-03-2019	

Results of Analysis

Sr. No.	Test Parameters	Unit	Limit	Result	Test Method
1.	Total Coliform Bacteria	CFU /100 ml	Shall not be Detectable	Not Detected	APHA: 9222(B) 22nd Edition
2.	Thermotolerant / Fecal Coliform Bacteria	CFU /100 ml	Shall not be Detectable	Not Detected	APHA: 9222 (D) 22nd Edition

Norms : IS 10500: 2012 (Second Revision)

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

Remarks: Water is Bacteriologically fit for use

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Test Report Ambient Air Quality

Report No. : ELPL/QD4/TRD/5.10/AA-07/Mar-19/160	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Ambient Air Sample Sampling Ref Method : IS 5182 (Part 14) : 2000 RA 2010 Sample Inward No. : ELPL/Mar-19/29/40/AA-160	Sampling Location : Near NW Corner of the Factory Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-19 Sample Receipt Date : 18-03-19	Sampled by : ELPL Representative
Avg. Ambient Temp : 27.5 °C Avg. Relative Humidity : 51.9 %	Prominent Wind Direction : E Average Wind Speed : 7.12 Km/Hr
Period of Analysis: From 19-03-2019 to 26-03-2019	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms	Result	Test Method
1.	Sulphur Dioxide (SO ₂)*	µg/m ³	80	8.36	IS 5182 (Part 2): 2001 RA 2017
2.	Nitrogen Dioxide (NO ₂)*	µg/m ³	80	33.4	IS 5182 (Part 6): 2006 RA 2017
3.	Particulate Matter size less than 10 µm (PM ₁₀)	µg/m ³	100	59.3	USEPA - 40 CFR Part 50 (Appendix O)
4.	Particulate Matter size less than 2.5 µm (PM _{2.5}) *	µg/m ³	60	27.7	USEPA - 40 CFR Part 50 (Appendix O)

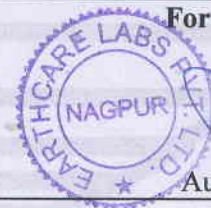
Norms : NAAQS (Govt. of India MoEF Notification No. GSR 826 CE Dtd.16-11-2009 as amended.

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

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Remarks: Ambient air quality is meeting the norms for above parameters

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Test Report Ambient Air Quality

Report No. : ELPL/QD4/TRD/5.10/AA-07/Mar-19/161	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Ambient Air Sample Sampling Ref Method : IS 5182 (Part 14) : 2000 RA 2010 Sample Inward No. : ELPL/Mar-19/29/40/AA-161	Sampling Location : Near SW Corner of the Factory Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-19 Sample Receipt Date : 18-03-19	Sampled by : ELPL Representative
Avg. Ambient Temp : 27.5 °C Avg. Relative Humidity : 51.9 %	Prominent Wind Direction : E Average Wind Speed : 7.12 Km/Hr
Period of Analysis: From 19-03-2019 to 26-03-2019	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms	Result	Test Method
1.	Sulphur Dioxide (SO ₂)*	µg/m ³	80	8.10	IS 5182 (Part 2): 2001 RA 2017
2.	Nitrogen Dioxide (NO ₂)*	µg/m ³	80	38.6	IS 5182 (Part 6): 2006 RA 2017
3.	Particulate Matter size less than 10 µm (PM ₁₀)	µg/m ³	100	68.4	USEPA - 40 CFR Part 50 (Appendix O)
4.	Particulate Matter size less than 2.5 µm (PM _{2.5}) *	µg/m ³	60	36.6	USEPA - 40 CFR Part 50 (Appendix O)

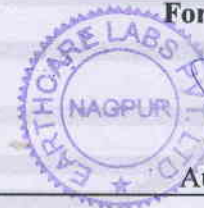
Norms : NAAQS (Govt. of India MoEF Notification No. GSR 826 CE Dtd.16-11-2009 as amended.

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

*indicates parameters are covered under NABL Scope of Accreditation.

Remarks: Ambient air quality is meeting the norms for above parameters

For Earthcare Labs Pvt. Ltd.



(K.L.Jadhav)
Authorized Signatory & CEO



EARTHCARE LABS PRIVATE LIMITED

(Laboratory Division)

Environmental Laboratory & EIA Consultant Organization

(NABL QCI Accredited, MoEF Recognized, NABET QCI Accredited, ISO 9001, ISO 14001 & OHSAS 18001 Certified)

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

Test Report Ambient Air Quality

Report No. : ELPL/QD4/TRD/5.10/AA-07/Mar-19/162	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Ambient Air Sample	Sampling Location : Near NE Corner of the Factory
Sampling Ref Method : IS 5182 (Part 14) : 2000 RA 2010	Environment Condition: Sunny (during sampling)
Sample Inward No. : ELPL/Mar-19/29/40/AA-162	Sampled by : ELPL Representative
Sampling Date : 18-03-19	Prominent Wind Direction : E
Sample Receipt Date : 18-03-19	Average Wind Speed : 7.12 Km/Hr
Avg. Ambient Temp : 27.5 °C	
Avg. Relative Humidity : 51.9 %	
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms	Result	Test Method
1.	Sulphur Dioxide (SO ₂)*	µg/m ³	80	8.03	IS 5182 (Part 2): 2001 RA 2017
2.	Nitrogen Dioxide (NO ₂)*	µg/m ³	80	31.7	IS 5182 (Part 6): 2006 RA 2017
3.	Particulate Matter size less than 10 µm (PM ₁₀)	µg/m ³	100	64.2	USEPA - 40 CFR Part 50 (Appendix O)
4.	Particulate Matter size less than 2.5 µm (PM _{2.5}) *	µg/m ³	60	32.3	USEPA - 40 CFR Part 50 (Appendix O)

Norms : NAAQS (Govt. of India MoEF Notification No. GSR 826 CE Dtd.16-11-2009 as amended.

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

*indicates parameters are covered under NABL Scope of Accreditation.

Remarks: Ambient air quality is meeting the norms for above parameters

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Test Report Stack Emission Quality

Report No. : ELPL/QD4/TRD/5.10/S-02-04/Mar-19/52	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/Mar-19/29/40/S-52	Sampling Location : Boiler (3 TPH) Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-19 Sample Receipt Date : 18-03-19	Sampled by : ELPL Representative
Stack Height (mtr) : 30.5 m Stack Diameter at Port (mtr) : 0.65 Type of Fuel : Agrowaste Briquette	Temperature of Flue Gas : 108 °C Velocity of Flue Gas in Stack : 8.93 m/sec Flow Rate of Flue Gas in Stack : 8094.6 Nm ³ /Hr
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm	Result	Test Method
1.	Total Particulate Matter*	mg/Nm ³	150	80.9	IS 11255 (Part 1):1985 RA 2014
2.	Sulphur Dioxide (as SO ₂) *	mg/Nm ³	--	74.8	IS 11255 (Part 2):1985 RA 2014
3.	Sulphur Dioxide (as SO ₂) *	kg/hr	--	0.66	IS 11255 (Part 2):1985 RA 2014
4.	Oxides of Nitrogen (as NO ₂)	mg/Nm ³	--	68.4	IS 11255 (Part 7):2005 RA 2017

Norms : Consent No.- Format 1.0/BO/CAC-Cell/UAN No.000008004/4thCAC/1612001045 dtd. 30-12-2016

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

Remarks: Outgoing emissions are meeting the norms for above parameters

For Earthcare Labs Pvt. Ltd.



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Certificate No.: TC-7572

Test Report Stack Emission Quality

Report No. : ELPL/QD4/TRD/5.10/S-02-04/Mar-19/53	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/Dec-18/29/55/S-53	Sampling Location : Thermopack (TFH) of SMO Plant - New Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-19 Sample Receipt Date : 18-03-19	Sampled by : ELPL Representative
Stack Height (mtr) : 33.5 m Stack Diameter at Port (mtr) : 0.6 Type of Fuel : Agrowaste Briquette	Temperature of Flue Gas : 95 °C Velocity of Flue Gas in Stack : 8.43 m/sec Flow Rate of Flue Gas in Stack : 6737.8 Nm ³ /Hr
Period of Analysis : From 18-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm	Result	Test Method
1.	Total Particulate Matter*	mg/Nm ³	150	87.5	IS 11255 (Part 1):1985 RA 2014
2.	Sulphur Dioxide (as SO ₂) *	mg/Nm ³	--	81.6	IS 11255 (Part 2):1985 RA 2014
3.	Sulphur Dioxide (as SO ₂) *	kg/hr	--	0.55	IS 11255 (Part 2):1985 RA 2014
4.	Oxides of Nitrogen (as NO ₂)	mg/Nm ³	--	75.4	IS 11255 (Part 7):2005 RA 2017

Norms : Consent No.- Format 1.0/BO/CAC-Cell/UAN No.0000008004/4thCAC/1612001045 dtd. 30-12-2016

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

Remarks: Outgoing emissions are meeting the norms for above parameters



For Earthcare Labs Pvt. Ltd.

(Signature)
(K.L.Jadhav)
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Test Report Stack Emission Quality

Report No. : ELPL/QD4/TR/Mar-18/54	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/163/16-17 dtd. 20-02-2017	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/Mar-19/29/40/S-54	Sampling Location : DG Set 300 KVA No. 1 (Hill Top) Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-18 Sample Receipt Date : 18-03-18	Sampled by : ELPL Representative
Stack Height (mtr) : 4.0 m above Enclosure Stack Diameter at Port (mtr) : 0.15 Type of Fuel : HSD	Temperature of Flue Gas : 168 °C Velocity of Flue Gas in Stack : 10.8 m/sec Flow Rate of Flue Gas in Stack : 448.6 Nm ³ /Hr
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm	Result	Test Method
1.	Total Particulate Matter	mg/Nm ³	150	68.8	IS 11255 (Part 1):1985 RA 2014
2.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	--	143.3	IS 11255 (Part 2):1985 RA 2014
3.	Sulphur Dioxide as (SO ₂)	kg/hr.	--	0.0643	IS 11255 (Part 2):1985 RA 2014

Norms : Consent No.- Format 1.0/BO/CAC-Cell/UAN No.000008004/4thCAC/1612001045 dtd. 30-12-2016

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

Remarks: Outgoing emissions are meeting the norms for above parameters

For Earthcare Labs Pvt. Ltd.



(Handwritten Signature)

(K.L.Jadhav)

Authorized Signatory & CEO



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Test Report Stack Emission Quality

Report No. : ELPL/QD4/TR/Mar-18/55	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/163/16-17 dtd. 20-02-2017	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/Mar-19/29/40/S-55	Sampling Location : DG Set 500 KVA (Colony Area) Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-18 Sample Receipt Date : 18-03-18	Sampled by : Mr. Amit Jadhav, ELPL Representative
Stack Height (mtr) : 4.0 m above shed Stack Diameter at Port (mtr) : 0.20 Type of Fuel : HSD	Temperature of Flue Gas : 198 °C Velocity of Flue Gas in Stack : 13.4 m/sec Flow Rate of Flue Gas in Stack : 929.7 Nm ³ /Hr
Period of Analysis : From 19-03-19 to 26-03-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm	Result	Test Method
1.	Total Particulate Matter	mg/Nm ³	150	68.4	IS 11255 (Part 1):1985 RA 2014
2.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	--	137.5	IS 11255 (Part 2):1985 RA 2014
3.	Sulphur Dioxide as (SO ₂)	kg/hr.	--	0.13	IS 11255 (Part 2):1985 RA 2014

Norms : Consent No.- Format 1.0/BO/CAC-Cell/UAN No.0000008004/4thCAC/1612001045 dtd. 30-12-2016

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

Remarks: Outgoing emissions are meeting the norms for above parameters

For Earthcare Labs Pvt. Ltd.



(Signature)

(K.L. Jadhav)

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Test Report

Ambient Noise Quality

Report No. : ELPLQD4/TRD/5.10/AN/Mar-19/64	Report Date : 18-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Ambient Noise	Sampling Location : Near NW Corner of the Factory
Sampling Ref Method : User's Manual SLM 100	Environment Condition: Sunny (during sampling)
Sample Inward No. : ELPL/Mar-19/29/40/AN-64	Sampled by : ELPL Representative
Sampling Date : 18-03-19	
Sample Receipt Date : 18-03-19	
Location (Type) : Industrial / Commercial / Residential / Silence	

Results of Measurements

Test Parameter	During Day Time (Hrly Avg)	During Night Time (Hrly Avg)
Equivalent Sound Level Leq dB(A)	59.7	48.6
Norms	Industrial Area	75
	Commercial Area	65
	Residential Area	55
	Silence Zone	50

Norms : Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules, 2000 (S.O. 1046 (E) dtd 22-11-2000)

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

Remarks: Ambient Noise level is meeting the norms at above location

For Earthcare Labs Pvt. Ltd.



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(K.L.Jadhav)
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Test Report Ambient Noise Quality

Report No. : ELPLQD4/TRD/5.10/AN/Mar-19/65	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Ambient Noise Sampling Ref Method :User's Manual SLM 100 Sample Inward No. : ELPL/Mar-19/29/40/AN-65	Sampling Location : Near SW Corner of the Factory Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-19 Sample Receipt Date : 18-03-19	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)
Equivalent Sound Level Leq dB(A)	58.7	46.6
Norms	Industrial Area	75
	Commercial Area	65
	Residential Area	55
	Silence Zone	50

Norms : Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules,2000 (S.O. 1046 (E) dtd 22-11-2000

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

Remarks: Ambient Noise level is meeting the norms at above location

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Test Report Ambient Noise Quality

Report No. : ELPLQD4/TRD/5.10/AN/Mar-19/66	Report Date : 26-03-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/10/18-19 dtd. 06-04-2018	
Sample Description : Ambient Noise Sampling Ref Method :User's Manual SLM 100 Sample Inward No. : ELPL/Mar-19/29/26/AN-66	Sampling Location : Near NE Corner of the Factory Environment Condition: Sunny (during sampling)
Sampling Date : 18-03-19 Sample Receipt Date : 18-03-19	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)
Equivalent Sound Level Leq dB(A)	68.8	62.4
Norms	Industrial Area	70
	Commercial Area	55
	Residential Area	45
	Silence Zone	40

Norms : Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules,2000 (S.O. 1046 (E) dtd 22-11-2000)

Note : Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

Remarks: Ambient Noise level is meeting the norms at above location



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