



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/June-19/39	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
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: Cloudy & Sunny (during sampling)
Sample Inward No. : ELPL/June-19/29/37/W-39	
Sampling Date : 26-06-19	Sampled by : ELPL Representative
Sample Receipt Date : 27-06-19	
Period of Analysis : From 28-06-2019 to 03-07-2019	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	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	7.91	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
4	Turbidity	NTU	1/5	<0.1	IS 3025 (Part 10): 1984 RA 2017
5	Total Dissolved Solids	mg/l	500/2000	549.0	IS 3025 (Part 16): 1984 RA 2017
6	Chloride (as Cl)	mg/l	250/1000	31.4	IS 3025 (Part 32). 1988 RA 2014 (Clause 2.0)
7	Fluoride (as F)	mg/l	1.0/1.5	1.16	IS 3025 (Part 60): 2008 RA 2013 (Clause 6.0)
8	Iron (as Fe)	mg/l	0.3	<0.05	IS 3025 (Part 53): 2004 RA 2014
9	Sulphate (as SO ₄)	mg/l	200/400	83.4	APHA 22nd Ed - 4500 SO ₄ ²⁻ (E)
10	Total Alkalinity (as CaCO ₃)	mg/l	200/600	123.7	IS 3025 (Part 23): 1986 RA 2014
11	Total Hardness (as CaCO ₃)	mg/l	200/600	74.0	IS 3025 (Part 21): 2009 RA 2014 (Clause 5.0)



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

Certificate No.: TC-7572

Report No. : ELPL/QD4/TRD/5.10/W/June-19/39				Report Date : 03-07-2019	
Sr. No.	Test Parameters	Unit	Norms**	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	--	150.9	IS 3025 (Part 51): 2001 RA 2017 (Clause 7.0)
15	Electrical Conductivity*	µmhos/cm	--	776.1	IS 3025 (Part 14): 1984 RA 2013
<p>Note :</p> <p>1. *indicate that parameters not covered under NABL Scope of Accreditation.</p> <p>2. ** indicates IS 10500 : 2012 RA 2012 Drinking Water - Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit</p> <p>3. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.</p>					
Remarks : Water is meeting the norms for above parameters					
				<p>For Earthcare Labs Pvt. Ltd.</p>  (K.L.Jadhav) Authorized Signatory & CEO	





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Certificate No.: TC-7572

Test Report Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/EI/June-19/37	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Industrial Effluent Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009 Sample Inward No.: ELPL/June-19/29/37/EI-37	Sampling Location : ETP Untreated Effluent (Emulsion Plant) Environment Condition: Cloudy & Sunny (during sampling)
Sampling Date : 26-06-2019 Sample Receipt Date : 27-06-2019	Sampled by : ELPL Representative
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Result	Test Method
1	pH value	--	8.95	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/l	77.6	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)	mg/l	140.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)	mg/l	684.0	IS 3025 (Part 58): 2006 RA 2017
5	Oil & Grease*	mg/l	0.6	IS 3025(Part 39): 1991 RA 2014
6	Total Dissolved Solids*	mg/l	17970.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl)*	mg/l	293.7	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
8	Sulphate (as SO ₄)*	mg/l	111.6	APHA 22nd Ed - 4500 SO42- (E)
9	Lead (as Pb)*	mg/l	0.06	IS 3025 (Part 2): 2004 RA 2014

Note : 1. *indicates parameters are not covered under NABL Scope of Accreditation.

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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Certificate No.: TC-7572

Test Report

Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/EI/June-19/38	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Industrial Effluent	Sampling Location : ETP Treated Effluent (Emulsion Plant)
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009	Environment Condition: Cloudy & Sunny (during sampling)
Sample Inward No.: ELPL/Mar-19/29/37/EI-38	Sampled by : ELPL Representative
Sampling Date : 26-06-2019	
Sample Receipt Date : 27-06-2019	
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
1	pH value	--	5.5 to 9.0	7.58	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/l	100	37.2	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)	mg/l	100	18.5	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)	mg/l	250	216.0	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	1962.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl)*	mg/l	600	118.5	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
8	Sulphate (as SO ₄)*	mg/l	1000	54.7	APHA 22nd Ed - 4500 SO42- (E)
9	Lead (as Pb)*	mg/l	0.10	0.02	IS 3025 (Part 2): 2004 RA 2014

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.

2. **indicates Consent No. Format 1.0/BO/CAC-Cell/UAN No.:- 0000008004/4thCAC-1612001045 dtd. 30-12-2016 valid upto 30.06.2021

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

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Report No. : ELPL/QD4/TRD/5.10/EI/June-19/39	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Industrial Effluent	Sampling Location : ETP Untreated Effluent LA/LS
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009	Environment Condition: Cloudy & Sunny (during sampling)
Sample Inward No.: ELPL/Mar-19/29/37/EI-39	Sampled by : ELPL Representative
Sampling Date : 26-06-2019	
Sample Receipt Date : 27-06-2019	
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Result	Test Method
1	pH value	--	2.33	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/l	10.8	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)	mg/l	3.20	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)	mg/l	928.0	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	4084.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl)*	mg/l	149.4	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
8	Sulphate (as SO ₄)*	mg/l	42.5	APHA 22nd Ed - 4500 SO42- (E)
9	Lead (as Pb)*	mg/l	0.28	IS 3025 (Part 2): 2004 RA 2014

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Test Report

Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/EI/June-19/40	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Industrial Effluent	Sampling Location : ETP Treated Effluent LA/LS
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009	Environment Condition: Cloudy & Sunny (during sampling)
Sample Inward No.: ELPL/June-19/29/37/EI-40	Sampled by : ELPL Representative
Sampling Date : 26-06-2019	
Sample Receipt Date : 27-06-2019	
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
1	pH value	--	5.5 to 9.0	8.89	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/l	100	<2.0	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)	mg/l	100	<2.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)	mg/l	250	56.0	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	6.0	IS 3025 (Part 16): 1984 RA 2017
7	Chloride (as Cl)*	mg/l	600	1.03	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
8	Sulphate (as SO ₄)*	mg/l	1000	1.64	APHA 22nd Ed - 4500 SO42- (F)
9	Lead (as Pb)*	mg/l	0.10	0.01	IS 3025 (Part 2): 2004 RA 2014

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.

2. **indicates Consent No. Format 1.0/BO/CAC-Cell/UAN No.: 0000008004/4thCAC-1612001045 dtd. 30-12-2016 valid upto 30.06 2021

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

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Certificate No.: TC-7572

Test Report Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/ED/June-19/10	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Domestic Effluent Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009 Sample Inward No.: ELPL/June-19/29/37/ED-10	Sampling Location : STP Untreated Effluent Environment Condition: Cloudy & Sunny (during sampling)
Sampling Date : 26-06-2019 Sample Receipt Date : 27-06-2019	Sampled by : ELPL Representative
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Result	Test Method
1	pH value	--	7.59	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/l	37.2	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)	mg/l	38.0	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)	mg/l	148.0	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	381.3	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
7	Total Dissolved Solids*	mg/l	1663.0	IS 3025 (Part 16): 1984 RA 2017
8	Dissolved Oxygen*	mg/l	4.8	IS 3025 (Part 38): 1989 RA 2014 (Clause 4.0)
9	Total Ammonical Nitrogen as N (TAN)*	mg/l	49.2	IS 3025 (Part 34): 1988 RA 2014 (Clause 2.3)
10	Nitrates (as NO ₃)*	mg/l	12.3	APHA -22nd Ed. -4500 (NO ₃ -) (B)

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.
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For Earthcare Labs Pvt. Ltd.



(Signature)

(K.L.Jadhav)

Authorized Signatory & CEO



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Certificate No.: TC-7572

Test Report

Effluent Quality

Report No. : ELPL/QD4/TRD/5.10/ED/June-19/11	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Domestic Effluent	Sampling Location : STP Treated Effluent
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009	Environment Condition: Cloudy & Sunny (during sampling)
Sample Inward No. : ELPL/June-19/29/37/ED-11	
Sampling Date : 26-06-2019	Sampled by : ELPL Representative
Sample Receipt Date : 27-06-2019	
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
1	pH value	—	5.5 to 9.0	7.82	IS 3025 (Part 11): 1983 RA 2017 (Clause 2.0)
2	Total Suspended Solids (TSS)	mg/l	100.0	6.4	IS 3025 (Part 17): 1984 RA 2017
3	Biochemical Oxygen Demand (BOD)	mg/l	100.0	20.4	IS 3025 (Part 44): 1993 RA 2014
4	Chemical Oxygen Demand (COD)	mg/l	250.0	84.0	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	228.6	IS 3025 (Part 32): 1988 RA 2014 (Clause 2.0)
7	Total Dissolved Solids*	mg/l	2100.0	1621.0	IS 3025 (Part 16): 1984 RA 2017
8	Dissolved Oxygen*	mg/l	—	5.2	IS 3025 (Part 38): 1989 RA 2014 (Clause 4.0)
9	Total Ammonical Nitrogen as N (TAN)*	mg/l	—	8.80	IS 3025 (Part 34): 1988 RA 2014 (Clause 2.3)
10	Nitrates as (NO ₃)*	mg/l	—	9.67	APHA -22nd Ed. -4500 (NO ₃ -) (B)

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.

2. **indicates Consent No. Format 1.0/BO/CAC-Cell/UAN No. :- 000008004/4thCAC-1612001045 dtd. 30-12-2016 valid upto 30.06.2021

3. 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/June-19/35	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Bacteriological Sample	Sampling Location : Drinking Water from Lunch Room Water Cooler
Sampling Ref Method : IS 3025 (Part 1): 1987 RA 2009	Environment Condition: Cloudy & Sunny (during sampling)
Sample Inward No. : ELPL/Mar-19/29/37/BAC-35	Sampled by : ELPL Representative
Sampling Date : 26-06-19	
Sample Receipt Date : 27-06-19	
Period of Analysis: From 28-06-2019 to 03-07-2019	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	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

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.

2. ** indicates IS 10500 : 2012 RA 2012 Drinking Water – Specification as Requirement (Acceptable Limit) / Permissible Limit in the Absence of Alternate Sources meeting Acceptable Limit

3. 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

For Earthcare Labs Pvt. Ltd.



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Certificate No.: TC-7572

Test Report Ambient Air Quality

Report No. : ELPL/QD4/TRD/5.10/AA-07/June-19/109	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Ambient Air Sample	Sampling Location : Near NW Corner of the Factory
Sampling Ref Method : IS 5182 (Part 14) : 2000 RA 2010	Environment Condition: Cloudy & Sunny (during sampling)
Sample Inward No. : ELPL/June-19/29/37/AA-109	
Sampling Date : 26-06-19	Sampled by : ELPL Representative
Sample Receipt Date : 27-06-19	
Avg. Ambient Temp : 33.2 °C	Prominent Wind Direction : WNW
Avg. Relative Humidity : 56.2 %	Average Wind Speed : 8.45 Km/Hr
Period of Analysis: From 28-06-2019 to 03-07-2019	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
1.	Sulphur Dioxide (SO ₂)	µg/m ³	80	10.9	IS 5182 (Part 2): 2001 RA 2017
2.	Nitrogen Dioxide (NO ₂)	µg/m ³	80	21.2	IS 5182 (Part 6): 2006 RA 2017
3.	Particulate Matter size less than 10 µm (PM ₁₀)*	µg/m ³	100	50.5	USEPA - 40 CFR Part 50 (Appendix O)
4.	Particulate Matter size less than 2.5 µm (PM _{2.5})	µg/m ³	60	22.1	USEPA - 40 CFR Part 50 (Appendix O)

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.

2. ** indicates NAAQS (Govt. of India MoEF Notification No. GSR 826 CE dtd.16-11-2009 as amended).

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

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

For Earthcare Labs Pvt. Ltd.



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Test Report Ambient Air Quality

Report No. : ELPL/QD4/TRD/5.10/AA-07/June-19/108	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Ambient Air Sample	Sampling Location : Near SW Corner of the Factory
Sampling Ref Method : IS 5182 (Part 14) : 2000 RA 2010	Environment Condition: Cloudy & Sunny (during sampling)
Sample Inward No. : ELPL/June-19/29/37/AA-108	Sampled by : ELPL Representative
Sampling Date : 26-06-19	Prominent Wind Direction : WNW
Sample Receipt Date : 27-06-19	Average Wind Speed : 8.45 Km/Hr
Avg. Ambient Temp : 33.2 °C	
Avg. Relative Humidity : 56.2 %	
Period of Analysis: From 28-06-2019 to 03-07-2019	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
1.	Sulphur Dioxide (SO ₂)	µg/m ³	80	9.92	IS 5182 (Part 2): 2001 RA 2017
2.	Nitrogen Dioxide (NO ₂)	µg/m ³	80	22.4	IS 5182 (Part 6): 2006 RA 2017
3.	Particulate Matter size less than 10 µm (PM ₁₀)*	µg/m ³	100	64.0	USEPA - 40 CFR Part 50 (Appendix O)
4.	Particulate Matter size less than 2.5 µm (PM _{2.5})	µg/m ³	60	29.7	USEPA - 40 CFR Part 50 (Appendix O)

- Note :
- * indicate that parameters not covered under NABL Scope of Accreditation.
 - ** indicates NAAQS (Govt. of India MoEF Notification No. GSR 826 CE dtd.16-11-2009 as amended).
 - Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

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

For Earthcare Labs Pvt. Ltd.



(K.L. Jadhav)
Authorized Signatory & CEO



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(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 Ambient Air Quality

Report No. : ELPL/QD4/TRD/5.10/AA-07/June-19/109	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist -Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
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: Cloudy & Sunny (during sampling)
Sample Inward No. : ELPL/June-19/29/37/AA-109	Sampled by : ELPL Representative
Sampling Date : 26-06-19	Prominent Wind Direction : WNW
Sample Receipt Date : 27-06-19	Average Wind Speed : 8.45 Km/Hr
Avg. Ambient Temp : 33.2 °C	
Avg. Relative Humidity : 56.2 %	
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
1.	Sulphur Dioxide (SO ₂)	µg/m ³	80	11.8	IS 5182 (Part 2): 2001 RA 2017
2.	Nitrogen Dioxide (NO ₂)	µg/m ³	80	21.7	IS 5182 (Part 6): 2006 RA 2017
3.	Particulate Matter size less than 10 µm (PM ₁₀)*	µg/m ³	100	52.4	USEPA - 40 CFR Part 50 (Appendix O)
4.	Particulate Matter size less than 2.5 µm (PM _{2.5})	µg/m ³	60	28.9	USEPA - 40 CFR Part 50 (Appendix O)

- Note**
- *indicate that parameters not covered under NABL Scope of Accreditation.
 - ** indicates NAAQS (Govt. of India MoEF Notification No. GSR 826 CE dtd.16-11-2009 as amended).
 - Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

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

For Earthcare Labs Pvt. Ltd.



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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 Stack Emission Quality

Report No. : ELPL/QD4/TRD/5.10/S-02-04/June-19/40	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist -Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Stack Emission Sample	Sampling Location : Boiler (12 TPH)
Sampling Ref Method : IS 11255 (Part 3) : 2008	Environment Condition: Sunny & Cloudy (during sampling)
Sample Inward No : ELPL/June-19/29/37/S-40	Sampled by : ELPL Representative
Sampling Date : 26-06-19	
Sample Receipt Date : 27-06-19	
Stack Height (mtr) : 33.5 m	Temperature of Flue Gas : 154 °C
Stack Diameter at Port (mtr) : 1.0	Velocity of Flue Gas in Stack : 12.04 m/sec
Type of Fuel : Coal	Flow Rate of Flue Gas in Stack : 23056.87 Nm ³ /Hr
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm**	Result	Test Method
1.	Total Particulate Matter	mg/Nm ³	150	37.8	IS 11255 (Part 1):1985 RA 2014
2.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	--	161.0	IS 11255 (Part 2):1985 RA 2014
3.	Sulphur Dioxide (as SO ₂)	kg/hr	--	3.71	IS 11255 (Part 2):1985 RA 2014
4.	Oxides of Nitrogen (as NO ₂)*	mg/Nm ³	--	158.5	IS 11255 (Part 7):2005 RA 2017

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.

2. **indicates Consent No. Format I.O/BO/CAC-Cell/UAN No.:- 0000008004/4thCAC-1612001045 dtd. 30-12-2016 valid upto 30.06.2021

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

Test Report Stack Emission Quality

Report No. : ELPL/QD4/TRD/5.10/S-02-04/June-19/41	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/June-19/29/37/S-41	Sampling Location : Thermopack (TFH) of SMO Plant - New Environment Condition: Sunny & Cloudy (during sampling)
Sampling Date : 26-06-19 Sample Receipt Date : 27-06-19	Sampled by : ELPL Representative
Stack Height (mtr) : 33.5 m Stack Diameter at Port (mtr) : 0.6 Type of Fuel : Agrowaste Briquette Period of Analysis : From 28-06-19 to 03-07-19	Temperature of Flue Gas : 92.0°C Velocity of Flue Gas in Stack : 8.8 m/sec Flow Rate of Flue Gas in Stack : 7094.9 Nm ³ /Hr

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm**	Result	Test Method
1.	Total Particulate Matter	mg/Nm ³	150	54.3	IS 11255 (Part 1):1985 RA 2014
2.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	--	32.4	IS 11255 (Part 2):1985 RA 2014
3.	Sulphur Dioxide (as SO ₂)	kg/hr	--	0.23	IS 11255 (Part 2):1985 RA 2014
4.	Oxides of Nitrogen (as NO ₂)*	mg/Nm ³	--	67.2	IS 11255 (Part 7):2005 RA 2017

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.

2. **indicates Consent No. Format 10/BO/CAC-Cell/UAN No.: 0000008004/4thCAC-1612001045 dtd. 30-12-2016 valid upto 30.06.2021

3. 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

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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

Certificate No.: TC-7572

Test Report Stack Emission Quality

Report No. : ELPL/QD4/TRD/5.10/S-02-04/June-19/42	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist -Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/June-19/29/37/S-42	Sampling Location : D.G. Set 380 KAV (E) Environment Condition: Sunny & Cloudy (during sampling)
Sampling Date : 26-06-19 Sample Receipt Date : 27-06-19	Sampled by : ELPL Representative
Stack Height (mtr) : 4.0 m above Enclosure Stack Diameter at Port (mtr) : 0.20 Type of Fuel : HSD	Temperature of Flue Gas : 126 °C Velocity of Flue Gas in Stack : 11.06 m/sec Flow Rate of Flue Gas in Stack : 906.7 Nm ³ /Hr
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm**	Result	Test Method
1.	Total Particulate Matter	mg/Nm ³	150	63.4	IS 11255 (Part 1):1985 RA 2014
2.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	--	135.7	IS 11255 (Part 2):1985 RA 2014
3.	Sulphur Dioxide as (SO ₂)	kg/hr.	--	0.12	IS 11255 (Part 2):1985 RA 2014

Note : 1.*indicate that parameters not covered under NABL Scope of Accreditation.

2.**indicates Consent No Format 1.0/BO/CAC-Ce/J/UAN No :- 0000008004/4thCAC-1612001045 dtd 30-12-2016 valid upto 30.06.2021

3. 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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Authorized Signatory & CEO



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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

Stack Emission Quality

Report No. : ELPL/QD4/TRD/5.10/S-02-04/June-19/43	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref.: Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/June-19/29/37/S-43	Sampling Location : D.G. Set 400 KAV Environment Condition: Sunny & Cloudy (during sampling)
Sampling Date : 26-06-19 Sample Receipt Date : 27-06-19	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 : 118°C Velocity of Flue Gas in Stack : 10.4 m/sec Flow Rate of Flue Gas in Stack : 871.6 Nm ³ /Hr
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm**	Result	Test Method
1.	Total Particulate Matter	mg/Nm ³	150	61.3	IS 11255 (Part 1):1985 RA 2014
2.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	--	125.6	IS 11255 (Part 2):1985 RA 2014
3.	Sulphur Dioxide as (SO ₂)	kg/hr.	--	0.10	IS 11255 (Part 2):1985 RA 2014

Note : 1.*indicate that parameters not covered under NABL Scope of Accreditation

2. **indicates Consent No. Format 1.0/BO/CAC-Cell/UAN No.:- 0000008004/4thCAC-1612001045 dtd. 30-12-2016 valid upto 30.06.2021

3. 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



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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

Stack Emission Quality

Report No. : ELPL/QD4/TRD/5.10/S-02-04/June-19/44	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref.: Our Offer No. ELPL/Q/177/18-19 Date: 05-03- 2019	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/June-19/29/37/S-44	Sampling Location : PP-18 (TNT) Environment Condition: Cloudy (during sampling)
Sampling Date : 27-06-19 Sample Receipt Date : 27-06-19	Sampled by : Mr. Amit Jadhav, ELPL Representative
Stack Height (mtr) : 11.0 m above shed Stack Diameter at Port (mtr) : 0.1	
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm**	Result	Test Method
1.	Oxides of Nitrogen (as NO ₂)	mg/Nm ³	--	261.0	IS 11255 (Part 7):2005 RA 2017

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.

2. **indicates Consent No. Format 1.0/BO/CAC-Cell/UAN No.:- 0000008004/4thCAC-1612001045 dtd. 30-12-2016 valid upto 30.06.2021

3. 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



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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 Stack Emission Quality

Report No. : ELPL/QD4/TRD/5.10/S-02-04/June-19/45	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref. : Our Offer No. ELPL/Q/177/18-19 dtd.: 05-03- 2019	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/June-19/29/37/S-45	Sampling Location : PP-8 (Scrubber Area) Environment Condition: Cloudy (during sampling)
Sampling Date : 27-06-19 Sample Receipt Date : 27-06-19	Sampled by : Mr. Amit Jadhav, ELPL Representative
Stack Height (mtr) : 11.0 m above shed Stack Diameter at Port (mtr) : 0.1	
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm**	Result	Test Method
1.	Oxides of Nitrogen (as NO ₂)	mg/Nm ³	--	33.1	IS 11255 (Part 7):2005 RA 2017

Note : 1.*indicate that parameters not covered under NABL Scope of Accreditation.
2. **indicates Consent No. Format 1.0/BO/CAC-Cell/JAN No.- 0000008004/4thCAC-1612001045 dtd. 30-12-2016 valid upto 30 06 2021
3. 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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Authorized Signatory & CEO



Certificate No.: TC-7572

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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 Stack Emission Quality

Report No. : ELPL/QD4/TRD/5.10/S-02-04/June-19/46	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref.: Our Offer No. ELPL/Q/177/18-19 dtd.: 05-03-2019	
Sample Description : Stack Emission Sample Sampling Ref Method : IS 11255 (Part 3) : 2008 Sample Inward No : ELPL/June-19/29/37/S-46	Sampling Location : S N Plant Environment Condition: Cloudy (during sampling)
Sampling Date : 27-06-19 Sample Receipt Date : 27-06-19	Sampled by : Mr. Amit Jadhav, ELPL Representative
Stack Height (mtr) : 11.0 m above shed Stack Diameter at Port (mtr) : 0.1	
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norm**	Result	Test Method
1	Oxides of Nitrogen (as NO ₂)*	mg/Nm ³	--	45.4	IS 11255 (Part 7):2005 RA 2017

Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.

2. **indicates Consent No Format 10/BO/CAC-Cell/UAN No - 0000008004/4thCAC-1612001045 dtd 30-12-2016 valid upto 30.06.2021

3. 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)

Authorized Signatory & CEO



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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

Workplace Air Quality

Report No. : ELPL/QD4/TRD/5.10/WA/June-19/30	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref : Our Offer No. ELPL/Q/177/18-19 dtd.: 05-03- 2019	
Sample Description : Workplace Air Sample	Sampling Location : PP-18 (TNT)
Sampling Ref Method : Op. Manual APM 831	Environment Condition: Cloudy (during sampling)
Sample Inward No. : ELPL/Junc-19/29/37/WAS-30	Sampled by : ELPL Representative
Sampling Date : 27-06-19	
Sample Receipt Date : 27-06-19	
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Test Parameters	Unit	Norms**	Result	Test Method
3.	Nitrogen Dioxide (NO ₂)*	µg/m ³	6000	84.4	IS 5182 (Part 6) : 2006 RA 2017

- Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.
2. ** indicates Second Schedule, The Factories Act, 1948 (S.O.170(E) dtd.02-03-1989
3. Test results relates to sample collected & tested. It shall not be reproduced partially or fully without prior approval of ELPL.

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

For Earthcare Labs Pvt. Ltd.



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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

Certificate No.: TC 7572

Test Report Ambient Noise Quality

Report No. : ELPL/QD4/TRD/5 10/AN/June-19/68	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref : Our Offer No. ELPL/Q/177/18-19 dtd.: 05-03- 2019	
Sample Description : Ambient Noise	Sampling Location : Near NW Corner of the Factory
Sampling Ref Method :User's Manual SLM 100	Environment Condition: Sunny
Sample Inward No. : ELPL/June-19/29/37/AN-68	(during sampling)
Sampling Date : 27-06-19	Sampled by : ELPL Representative
Sample Receipt Date : 27-06-19	
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)	61.7	49.3
Norms**	Industrial Area	75
	Commercial Area	65
	Residential Area	55
	Silence Zone	50

- Note
- * indicate that parameters not covered under NABL Scope of Accreditation.
 - ** Indicate Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules,2000 (S.O. 1046 (E) dtd 22-11-2000
 - 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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Email: earthcare2000@gmail.com, **Website:** www.earthcarenagpur.com

Test Report

Ambient Noise Quality

Report No. : ELPLQD4/TRD/5.10/AN/June-19/69	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref : Our Offer No. ELPL/Q/177/18-19 dtd.: 05-03-2019	
Sample Description : Ambient Noise Sampling Ref Method :User's Manual SLM 100 Sample Inward No. : ELPL/June-19/29/37/AN-69	Sampling Location : Near SW Corner of the Factory Environment Condition: Sunny (during sampling)
Sampling Date : 27-06-19 Sample Receipt Date : 27-06-19	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)	60.8	49.3
Norms**	Industrial Area	75
	Commercial Area	65
	Residential Area	55
	Silence Zone	50

- Note : 1. *indicate that parameters not covered under NABL Scope of Accreditation.
2. ** Indicate Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules,2000 (S.O. 1046 (E) dtd 22-11-2000)
3. 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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(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

Certificate No.: TC 7572

Test Report Ambient Noise Quality

Report No. : ELPL/QD4/TRD/5.10/AN/June-19/70	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref : Our Offer No. ELPL/Q/177/18-19 dtd.: 05-03-2019	
Sample Description : Ambient Noise Sampling Ref Method :User's Manual SLM 100 Sample Inward No. : ELPL/June-19/29/37/AN-70	Sampling Location : Near NE Corner of the Factory Environment Condition: Sunny (during sampling)
Sampling Date : 27-06-19 Sample Receipt Date : 27-06-19	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)	68.7	62.2
Norms**	Industrial Area	75
	Commercial Area	65
	Residential Area	55
	Silence Zone	50

- Note 1. *indicate that parameters not covered under NABL Scope of Accreditation.
2. ** Indicate Rule 4 of Noise Pollution (Regulation & Control) Amendment Rules,2000 (S.O. 1046 (E) dtd 22-11-2000
3. 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.

(K.L. Jadhav)

Authorized Signatory & CEO



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Test Report Soil Quality

Report No. : ELPL/QD4/TRD/5.10/SO/June-19/10	Report Date : 03-07-2019
Name & Address of the Customer : M/s. SOLAR INDUSTRIES INDIA LTD., Village-Chakdoh, Taluka- Katol, Dist.-Nagpur	
Ref.: Our Offer No. ELPL/Q/30/19-20 dttd.: 29-06- 2019	
Sample Description : Soil Sample Sampling Ref Method : Soil Chemical Analysis M. L. Jackson Sample Inward No: ELPL/June-19/29/37/SO-10	Sampling Location : Soil Taken from Burning Area Environmental Condition : Sunny (during sampling)
Sampling Date : 27-06-19 Sample Receipt Date : 27-06-19	Sampled By: ELPL Representative
Period of Analysis : From 28-06-19 to 03-07-19	

Results of Analysis

Sr. No.	Parameters	Unit	Concentration	Method
1.	Soil Texture*		Sandy clay loam	Bouyoucos Hydrometer Method, DAC (GoI), 2011
2.	Bulk Density*	gm/cc	1.2	Weighing Bottle Method , IS 2720 (Part 29) -1975 ,
3.	Moisture Content*	%	11.7	Gravimetric Method, IS 15106:2002
4.	Organic Matter*	%	0.91	Volumetric Method , IS:2720 (Part 22) - 1972 RA 2010
5.	Available Nitrogen (as N)*	kg/ha	404.5	Macro Kjeldahl Method , IS:14684 -1999 RA 2005
6.	Available Phosphorous (as P ₂ O ₅) *	kg/ha	31.6	Olsen's Method, DAC (GoI), 2011
7.	Available Potassium (as K ₂ O) *	kg/ha	238.5	Flame Photometric Method, DAC (GoI), 2011
8.	pH*	--	7.78	Electrometric Method, IS:2720 (Part 26) - 1987 RA 2002
9.	Electrical Conductivity*	dS/m	0.55	Conductivity Meter Method, IS:14767 - 2000
10.	Exchangeable Sodium (as Na) *	mg/kg	168.0	Flame Photometric Method, DAC (GoI), 2011
11.	Sulphate Soluble (as SO ₄)*	mg/kg	37.0	Volumetric Method IS:2720 (Part 27) - 1977 RA 2010
12.	Iron (as Fe)*	mg/kg	3.44	AES Method, USEPA 3050 B, 1996



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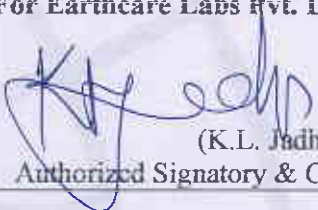
Certificate No.: TC-7572

Report No. : ELPL/QD4/TRD/5.10/SO/June-19/10		Report Date : 03-07-2019		
Sr. No.	Parameters	Unit	Concentration	Method
13.	Zinc (as Zn)*	mg/kg	1.87	AES Method, USEPA 3050 E Page 1 of 2
14.	Magnesium (as Mg)*	mg/kg	19.1	EDTA Titrimetric Method, MM Soil, GoI, 2011
15.	Chromium (as Cr)*	mg/kg	<0.5	AES Method, USEPA 3050 B, 1996
16.	Chloride (as Cl)*	mg/kg	118.5	AASHTO T 291-94 (2008)
17.	Lead (as Pb)*	mg/kg	<0.5	ICPMS/MPAES Method EPA Method 200.8

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For Earthcare Labs Pvt. Ltd.




(K.L. Jadhav)
Authorized Signatory & CEO