



SAGAR CEMENTS LIMITED

Date: 09.05.2026

SCL/ENV/CTO Monthly/2026/14

To,

The Member Secretary,
State Pollution Control Board
Odisha, Paribesh Bhawan,
A/118, Nilakanth Nagar, Unit - VIII
Bhubaneswar-751012

Sub: Monthly third-party monitoring report of cement plant of the Sagar Cements Limited, Kalinganagar Industrial Complex, Jajpur Odisha for the period from Month of April-2026.

Ref: Consent to operate order No. 3810 IND-I-CON-6806, dated-23.03.2026, online application ID No. 7139126, dated-16.12.2025.


Dear sir,

We are submitting herewith Monthly third-party monitoring report of cement plant of the Sagar cements Limited, Kalinga Nagar Industrial Complex, Jajpur Odisha for the period from Month of April-2026.
This is for your information please.

Thanking You,

Yours faithfully

for: **Sagar Cements Limited.**


I.P. Srivastava
(Authorized Signatory)



Encl. Doc.: Monthly third-party monitoring report
Copy to: The Regional Officer, State Pollution Control Board Kalinga Nagar, At-Dhabalagiri, Po – F.C Project, Jajpur Road, Dist – Jajpur – 755020



Registered Office : Plot No. 111, Road No.10, Jubilee Hills, Hyderabad - 500033, Telangana State, India.

Phone : +91-40-23351571, 23351572 Fax : +91-40-23356573 E-mail : info@sagarcements.in Website : www.sagarcements.in

CIN : L26942TG1981PLC002887 GSTIN : 36AACCS8680H2ZY

Factories : Mattampally Village & Mandal, Suryapet District, Telangana State - 508204. Phone : 08683 - 247039 GSTIN : 36AACCS8680H1ZZ

Bayavaram Village, Kasimkota Mandal, Anakapally District, Andhra Pradesh State - 531031. Phone : 08924-244550 Fax : 08924-244570 GSTIN : 37AACCS8680H1ZX

Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh State - 515408. Phone: 08558-200272 GSTIN : 37AACCS8680H1ZX

Kalinganagar, Industrial Complex, Tahsil-Dangadi, Dist - Jajpur, Odisha. Phone : 08340882288 GSTIN : 21AACCS8680H1ZA

**MONTHLY ENVIRONMENTAL MONITORING REPORT
(APRIL- 2026)**

AT

SAGAR CEMENTS LIMITED

KalingNagar Industrial Complex, Jajpur

Prepared by:-



VISIONTEK CONSULTANCY SERVICES PVT. LTD

(An Enviro Engineering Consulting Cell)

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

Ref: Envlab/26-27/TR-02084

Date:08.05.2026

AMBIENT AIR QUALITY MONITORING REPORT FOR APRIL-2026

1. Name of Industry : M/s SAGAR CEMENTS LIMITED, JAJPUR
(Kalinganagar Industrial complex, Danagadi, Jajpur Odisha)
2. Sampling Location : AAQMS-1 : Near Plant Main Gate
3. Monitoring Instruments : RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Analyzer.
4. Sample Collected By : VCSPL representative in presence of client's representative

Date	PARAMETERS			
	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)
02.04.2026	57.5	34.5	9.4	16.2
06.04.2026	56.6	33.8	8.6	15.9
09.04.2026	58.5	34.7	9.0	16.7
13.04.2026	57.8	34.3	9.6	16.3
16.04.2026	55.8	33.5	8.5	15.5
20.04.2026	54.7	33.3	8.4	15.1
23.04.2026	56.3	33.7	9.7	16.0
27.04.2026	56.7	34.2	8.6	16.2
Monthly Averages	56.7	34.0	8.9	15.9
NAAQ Standard	100	60	80	80
Testing method	Gravimetric IS 5182 (Part-23) RA2019	Gravimetric IS 5182 (Part-24) RA2019	Improved West and Gaeke method IS 5182 (Part-2) RA 2017	Modified Jacob & Hochheiser (Na-Arsenite) IS 5182 (Part-6) RA 2012

Remarks:

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

Ref: Envlab/26-27/TR-02085

Date: 08.05.2026

AMBIENT AIR QUALITY MONITORING REPORT FOR APRIL-2026

1. Name of Industry : M/s SAGAR CEMENTS LIMITED, JAJPUR
(Kalinganagar Industrial complex, Danagadi, Jajpur)
2. Sampling Location : AAQMS-2 : TRUCK TRIPPLER
3. Monitoring Instruments : RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Analyzer.
4. Sample Collected By : VCSPL representative in presence of client's representative

Date	PARAMETERS			
	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)	SO ₂ ($\mu\text{g}/\text{m}^3$)	NO _x ($\mu\text{g}/\text{m}^3$)
02.04.2026	60.4	36.4	9.1	17.3
06.04.2026	59.5	34.7	9.6	17.5
09.04.2026	61.5	36.7	9.3	17.7
13.04.2026	60.1	36.2	9.1	17.4
16.04.2026	63.5	35.9	8.8	16.3
20.04.2026	65.4	37.1	8.7	16.4
23.04.2026	59.2	35.6	9.1	17.1
27.04.2026	59.5	33.2	9.8	17.2
Monthly Averages	61.1	35.7	9.1	17.1
NAAQ Standard	100	60	80	80
Testing method	Gravimetric IS 5182 (Part-23) RA2019	Gravimetric IS 5182 (Part-24) RA2019	Improved West and Gaeke method IS 5182 (Part-2) RA 2017	Modified Jacob & Hochheiser (Na-Arsenite) IS 5182 (Part-6) RA 2012

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

Ref: Envlab/26-27/TR-02087

Date: 08.05.2026

STP WATER QUALITY ANALYSIS REPORT FOR APRIL-2026

- Name of Industry : **M/s SAGAR CEMENTS LIMITED**
Kalinganagar Industrial complex, Danagadi, Jajpur, Odisha
- Date of Sampling : 30.04.2026
- Date of Analysis : 01.05.2026 To 07.05.2026
- Sampling Location : **STW-1: Inlet Water From STP 50 KLD**
STW-2: Outlet Water From STP 50 KLD
- Sample Drawn By : VCSPL Representative in presence of Client's Representative

Sl. No.	Parameters	Unit	Testing Methods	Analysis Results	
				STW-1	STW-2
1	pH Value at 25 ^o C	mg/l	pH Meter APHA 23 RD Ed.2017 : 4500H ⁺ B	7.29	7.52
2	Biological Oxygen Demand as BOD (3 Days At 27 ^o C)	mg/l	Oxygen Depletion Method IS 3025(P-44) : 1993, RA 2003	10.4	3.8
3	Total Suspended Solids as TSS	mg/l	Gravimetric Method APHA 23 RD Ed.2017 : 2540 D	11.2	4.5
3	FECAL CALIFORM	mg/l	APHA 9221 E	24.7	<2.0

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

Ref: Envlab/26-27/TR-02088

Date: 08.05.2026

STACK EMISSION MONITORING REPORT FOR APRIL-2026

CUSTOMER DETAILS

Customer Name & Address	:	M/s SAGAR CEMENTS LIMITED Kalinganagar Industrial complex, Danagadi, Jajpur, Odisha
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SAMPLE DETAILS

Sample Location & Code	:	ST1: Cement Mill	Sampling Procedure	IS 11255
Date of Sampling	:	30.04.2026	Material Construction of stack	MS Plate
Time of Sampling	:	16.10Hrs-16.50 Hrs	Shape of Stack	Circular
Date of Analysis	:	01.05.2026 to 07.05.2026	Height of Stack from Ground Level	52.6 meter
Emission Due To	:	Cement Grinding	Diameter of Stack	2.36 meter
			Height of Sampling Point from Ground Level	40.6 meter

SL. No.	Name of the Parameters	Testing Methods	Prescribed Standard as per CTO	Units	Result
1.	Temperature of Stack	IS 11255: 1985(Part 3)	--	⁰ K	372
2.	Velocity of Gas	IS 11255: 1985(Part 3)	--	m/sec	10.0
3.	Quantity of gas flow, at dry Condition	IS 11255: 1985(Part 3)	--	Nm ³ /hr	124540.94
4.	Moisture	IS 11255: 1985(Part 3)	--	%	0.54
5.	Concentration of Particulate Matter (as PM)	IS 11255: 1985 (Part 1)	30 mg/Nm ³	mg/Nm ³	10.6
6.	Sulphur Dioxide (as SO ₂)	IS 11255: 1985(Part 2)	--	mg/Nm ³	1.0
7.	Nitrogen Oxide (as NO _x)	IS 11255: 2005 (Part 7)	--	mg/Nm ³	2.1

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TEST REPORT

Ref: Envlab/25-26/TR-02089

Date: 08.05.2026

Customer Name & Address - M/s SAGAR CEMENTS LIMITED, JAJPUR
Kalinganagar Industrial complex, Danagadi, Jajpur, Odisha

Sample Location	VILLAGE CHANDIA	Sampled by	VC SPL's Representative
Sample Description	GW-1	Sampling Procedure	APHA 1060
Sample Source	Ground water	Sample Received on	30.04.2026
Sample Condition	Ice Preserved (Sealed plastic & Sterilized bottle)		
Sampling Date	30.04.2026	Test Completed on	07.05.2026

Sl. No	Parameters	Unit	Standard as per IS 10500: 2012 Amnd 2015 & 2018 (Acceptable Limit)	Test methods	Results
1	Color	Hazen	Max 5	IS 3025(Part-4):2017	GW-1
2	Odour	--	Agreeable	IS 3025(Part-5):2018	Agreeable
3	Taste			APHA 23 rd Ed, 2017 : 2160 C	Agreeable
4	pH value 25°C	--	6.5-8.5	IS 3025(Part11):2017	7.46
5	Turbidity	NTU, max	Max1.0	IS 3025(Part-10):2017	<1.0
6	Total Dissolved Solids (at 180°C)	mg/l	Max 500	IS 3025(Part-16):2017	442
7	Calcium (as Ca)	mg/l ,max	Max 75	IS 3025(Part-40):2019	36
8	Chloride (as Cl)	mg/l ,max	Max 250	IS 3025(Part-32):2019	39.5
9	Copper (as Cu)	mg/l ,max	Max 0.05	APHA23rd Edition 3111B:2017	<0.05
10	Fluoride (as F)	mg/l ,max	Max 1.0	IS 3025(Part-60):2023	0.27
11	Iron (as Fe)	mg/l ,max	Max1.0	APHA23rd Edition 3111B:2017	0.19
12	Magnesium (as Mg)	mg/l ,max	Max 30	IS 3025(Part-46):2019	17.4
13	Manganese (as Mn)	mg/l ,max	Max 0.1	APHA23rd Edition 3111B:2017	<0.036
14	Sulphate (as SO ₄)	mg/l ,max	Max 200	IS 3025(Part-24):2019	29.1
15	Nitrate (as NO ₃)	mg/l ,max	Max 45	IS 3025(Part-34):2019	1.18
16	Total Alkalinity (as CaCO ₃)	mg/l ,max	Max 200	IS 3025(Part-23):2019	150
17	Total Hardness (as CaCO ₃)	mg/l ,max	Max 200	IS 3025(Part-21):2019	165
18	Nitrate (as NO ₃)	mg/l ,max	Max 45	IS 3025(Part-34):2019	1.16
19	Free residual chloride	mg/l ,max	Max 0.2	APHA 4500 Cl B	ND

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORT

Ref: Envlab/26-27/TR- 02090

Date: 08.05.2026

Customer Name & Address : M/s SAGAR CEMENTS LIMITED, JAJPUR
Kalinganagar Industrial complex, Danagadi, Jajpur, Odisha

Sample Location	DW: RO	Sampled by	VC SPL'S Representative
Sample Description	Drinking Water	Sampling Procedure	APHA 1060
Sample Source	Canal water	Sample Received on	30.04.2026
Sample Condition	Ice Preserved (Sealed plastic & Sterilized bottle)		
Sampling Date	30.04.2026	Test Completed on	07.05.2026

Sl. No	Parameters	Unit	Standard as per IS 10500: 2012 Amnd 2015 & 2018 (Acceptable Limit)	Test methods	Results
1	Color	Hazen	Max 5	IS 3025(Part-4):2017	1
2	Odour	--	Agreeable	IS 3025(Part-5):2018	Agreeable
3	pH value 25°C	--	6.5-8.5	IS 3025(Part11):2017	7.58
4	Turbidity	NTU, max	Max1.0	IS 3025(Part-10):2017	<1.0
5	Total Dissolved Solids (at 180°C)	mg/l	Max 500	IS 3025(Part-16):2017	435.0
6	Temperature	°C	-	IS 3025(Part-11):2023	25.6
7	Electrical Conductivity (at 25°C)	µS/cm	-	IS 3025(Part-14):2019	680.2
8	Calcium (as Ca)	mg/l ,max	Max 75	IS 3025(Part-40):2019	32.6
9	Chloride (as Cl)	mg/l ,max	Max 250	IS 3025(Part-32):2019	31.2
10	Copper (as Cu)	mg/l ,max	Max 0.05	APHA23rd Edition 3111B:2017	<0.05
11	Fluoride (as F)	mg/l ,max	Max 1.0	IS 3025(Part-60):2023	0.65
12	Free Residual Chlorine	mg/l ,min	Max 0.2	IS 3025(Part-25):2019	<0.1
13	Iron (as Fe)	mg/l ,max	Max1.0	APHA23rd Edition 3111B:2017	0.20
14	Magnesium (as Mg)	mg/l ,max	Max 30	IS 3025(Part-46):2019	30.8
15	Manganese (as Mn)	mg/l ,max	Max 0.1	APHA23rd Edition 3111B:2017	<0.03
16	Mineral oil	mg/l ,max	Max 0.5	IS 3025(Part-39):2021	<0.05
17	Phenolic compounds	mg/l ,max	Max 0.001	APHA23rd Edition 5530B,D:2017	<0.05
18	Sulphate (as SO ₄)	mg/l ,max	Max 200	IS 3025(Part-24):2019	22.4
19	Nitrate (as NO ₃)	mg/l ,max	Max 45	IS 3025(Part-34):2019	0.58
20	Total Alkalinity as CaCO ₃	mg/l ,max	Max 200	IS 3025(Part-23):2019	240
21	Total Hardness as CaCO ₃	mg/l ,max	Max 200	IS 3025(Part-21):2019	210
22	Carbonate Alaklinity as CO ₃	mg/l ,max	-	IS 3025(Part-23):2023	<5.0
23	Bi-Carbonate Alaklinity as HCO ₃	mg/l ,max	-	IS 3025(Part-23):2023	240
24	Sodium as Na	mg/l ,max	-	APHA23rd Edition 3500Na:2017	34
25	Potassium as K	mg/l ,max	-	APHA23rd Edition 3500K:2017	1.3
26	Zinc(as Zn)	mg/l ,max	Max 5.0	APHA23rd Edition 3111B:2017	<0.1
27	Cadmium (as Cd)	mg/l ,max	Max 0.003	APHA23rd Edition 3111B:2017	<0.0006
28	Cyanide (as CN)	mg/l ,max	Max 0.05	IS 3025(Part-27):2019	<0.01
29	Lead (as Pb)	mg/l ,max	Max 0.01	APHA23rd Edition 3111B:2017	<0.002
30	Mercury (as Hg)	mg/l ,max	Max 0.001	APHA23rd Edition 3111B:2017	<0.002
31	Total arsenic (as As)	mg/l ,max	Max 0.01	APHA23rd Edition 3500As:2017	<0.002
32	Selenium(as Se)	mg/l ,max	Max 0.01	APHA23rd Edition 3500Se:2017	<0.002
33	Total Coli forms	MPN/100ml	Shall not be detected in any 100 ml sample	IS 15185:2016	Absent
34	Fecal Coli Fom	MPN/100ml	---	APHA 9221 E	<1.8
35	E. coli	MPN/100ml	Shall not be detected in any 100 ml sample	IS 15185:2016	Absent

*** End Report ***

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORT

Ref:Envlab/26-27/TR-02091

Date: 08.05.2026

Customer Name & Address : M/s SAGAR CEMENTS LIMITED, JAJPUR
Kalinganagar Industrial complex, Danagadi, Jajpur, Odisha

Name of the Industry	: M/s SAGAR CEMENTS LIMITED, JAJPUR	Date of Sampling	: 29.04.2026
		Sample Received on	: 30.04.2026
Sample Description	: 1.Ambient Air (Buffer Zone)	Sampling Procedure	: VCSPL/F-SOP/001, Dt. 04.09.2021
		Sampling Location	: VILLAGE CHANDA
Environment Condition during Sampling	: Atmospheric Temp.: 29 – 33°C Barometric Pressure: 754 mm of Hg	Instrument used for Sampling	: RDS (APM 460 BL), FPS (APM 550), VOC Sampler
Sample Condition	: Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	: VCSPL'S Representative
Test Started on	: 01.05.2026	Test Completed on	: 03.05.2026

1. Chemical Testing

A. Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18 th Nov. 2009	Analysis Result
1	Particulate matter as PM ₁₀	(µg/m ³)	IS 5182: Part 23: 2006, RA 2017	100	58.8
2	Particulate matter as PM _{2.5}	(µg/m ³)	IS 5182 (Part 24):2019	60	29.4
3	Sulphur Oxides as SO ₂	(µg/m ³)	IS 5182 (Part 2): 2001, RA 2017	80	21.2
4	Nitrogen Oxides as NOx	(µg/m ³)	IS 5182 (Part 6): 2006, RA 2017	80	23.6

Remarks:

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

Ref:Envlab/26-27/TR- 02092

TEST REPORT

Date: 08.05.2026

Customer Name & Address : M/s SAGAR CEMENTS LIMITED, JAJPUR

Name of the Industry	: M/s SAGAR CEMENTS LIMITED, JAJPUR	Date of Sampling	: 29.04.2026
		Sample Received on	: 30.04.2026
Sample Description	: 2.Ambient Air(Buffer zone)	Sampling Procedure	: VCSPL/F-SOP/001, Dt. 04.09.2021
		Sampling Location	: VILLAGE JAKHAPURA
Environment Condition during Sampling	: Atmospheric Temp.: 29 – 33°C Barometric Pressure: 754 mm of Hg	Instrument used for Sampling	: RDS (APM 460 BL), FPS (APM 550), VOC Sampler
Sample Condition	: Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	: VCSPL'S Representative
Test Started on	: 01.05.2026	Test Completed on	: 03.05.2026

1. Chemical Testing

A. Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18 th Nov. 2009	Analysis Result
1	Particulate matter as PM ₁₀	(µg/m ³)	IS 5182: Part 23: 2006, RA 2017	100	56.8
2	Particulate matter as PM _{2.5}	(µg/m ³)	IS 5182 (Part 24):2019	60	28.8
3	Sulphur Oxides as SO ₂	(µg/m ³)	IS 5182 (Part 2): 2001, RA 2017	80	19.2
4	Nitrogen Oxides as NO _x	(µg/m ³)	IS 5182 (Part 6): 2006, RA 2017	80	22.6

Remarks:

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Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

Ref. No: EnvLab /26-27/TR-02093

TEST REPORT

Date: 08.05.2026

Customer Name & Address : M/s SAGAR CEMENTS LIMITED, JAJPUR

Name of the Industry	: M/s SAGAR CEMENTS LIMITED, JAJPUR	Date of Sampling	: 29.04.2026
		Sample Received on	: 30.04.2026
Sample Description	: 3.Ambient Air (Buffer Zone)	Sampling Procedure	: VCSPL/F-SOP/001, Dt. 04.09.2021
		Sampling Location	: VILLAGE RAVANA
Environment Condition during Sampling	: Atmospheric Temp.: 29 – 33°C Barometric Pressure: 754 mm of Hg	Instrument used for Sampling	: RDS (APM 460 BL), FPS (APM 550), VOC Sampler
Sample Condition	: Air Tight Sealed and gaseous Sample Solution Refrigerated	Sampling done by	: VCSPL'S Representative
Test Started on	: 01.05.2026	Test Completed on	: 03.05.2026

2. Chemical Testing

B. Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18 th Nov. 2009	Analysis Result
1	Particulate matter as PM ₁₀	(µg/m ³)	IS 5182 : Part 23: 2006, RA 2017	100	59.6
2	Particulate matter as PM _{2.5}	(µg/m ³)	IS 5182 (Part 24):2019	60	29.2
3	Sulphur Oxides as SO ₂	(µg/m ³)	IS 5182 (Part 2): 2001, RA 2017	80	27.2
4	Nitrogen Oxides as NOx	(µg/m ³)	IS 5182 (Part 6): 2006, RA 2017	80	26.9

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Visiontek Consultancy Services Pvt. Ltd

(Committed For Better Environment)

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Visit us at : www.visiontek.org

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