SAGAR CEMENTS LIMITED

Date: 09.11.2026

SCL/ENV/CTO Monthly/2026/33

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, Kalinga Nagar Industrial Complex, Jajpur Odisha for the period from Month of October-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 October-2026.
This is for your information please.

Thanking You,

Yours faithfully

for: **Sagar Cements Limited.**

Sagar Cements Ltd. Kalinganagar Industrial Complex

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.
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CIN : L26942TG1981PLC002887 GSTIN : 36AACCS8680H2ZY
Factories : Mattampally Village & Mandal, Suryapet District, Telangana State - 508204. Phone : 08683 - 247039 GSTIN : 36AACCS8680H1ZZ
Bayyavaram 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 MONITORING AREPORT
(OCTOBER-2026)

ON

ENVIRONMENTAL MONITORING
AT

SAGAR CEMENTS LIMITED
KALINGA NAGAR,INDUSTRIAL COMPLEX
DIST-JAJPUR, ODISHA-755026.

Prepared by:-

VISIONTEK CONSULTANCY SERVICES PVT. LTD
(An Enviro Engineering Consulting Cell)
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Ref: Envlab/26-27/TR-10138 **Date:05.11.2026**

AMBIENT AIR QUALITY MONITORING REPORT FOR OCTOBER-2026

1. Name of Industry : **M/s SAGAR CEMENTS LIMITED, JAJPUR (Kalinganagar Industrial complex, Danagadi,JajpurOdisha)**
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} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	O3 (mg/m^3)	CO (mg/m^3)	NH3 (mg/m^3)
07.10.2026	55.8	28.4	8.7	12.7	6.2	0.65	BDL
10.10.2026	57.9	29.2	8.6	12.3	6.5	0.69	BDL
14.10.2026	56.7	28.3	9.5	13.4	6.6	0.58	BDL
17.10.2026	54.8	27.4	8.3	13.5	5.9	0.72	BDL
21.10.2026	53.2	26.7	9.2	12.9	6.1	0.66	BDL
24.10.2026	52.9	26.5	7.9	12.4	5.8	0.63	BDL
28.10.2026	57.5	28.2	8.5	12.6	6.7	0.67	BDL
31.10.2026	56.4	29.2	8.2	13.2	5.6	0.68	BDL
Monthly Averages	55.7	28.0	8.6	12.9	6.2	0.66	BDL
NAAQ Standard	100	60	80	80	100	4	400
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	Chemical Method Indo Phenol Blue Method	NDIR Spectroscopy IS 5182 (Part-10):1999	Chemical Method IS 5182 Part-25

Remarks:

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VISIONTEK CONSULTANCY SERVICES PVT. LTD.

Reviewed By:

VISIONTEK CONSULTANCY SERVICES PVT. LTD.

Approved By:

Ref: Envlab/26-27/TR-10139

Date: 05.11.2026

AMBIENT AIR QUALITY MONITORING REPORT FOR OCTOBER-2026

1.Name of Industry : **M/s SAGAR CEMENTS LIMITED, JAJPUR**
(Kalinganagar Industrial complex, Danagadi, Jajpur)

2.Sampling Location : **AAQMS-2 : NEAR TRUCK TRIPPLER BOUNDARY WALL**

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} ($\mu g/m^3$)	$PM_{2.5}$ ($\mu g/m^3$)	SO_2 ($\mu g/m^3$)	NO_x ($\mu g/m^3$)	O3 (mg/m^3)	CO (mg/m^3)	NH3 (mg/m^3)
07.10.2026	53.5	26.2	8.7	13.5	6.8	0.56	BDL
10.10.2026	55.7	27.4	8.3	12.4	6.5	0.58	BDL
14.10.2026	52.6	26.3	9.4	13.6	5.4	0.62	BDL
17.10.2026	56.8	27.4	9.6	12.2	5.7	0.65	BDL
21.10.2026	54.3	26.1	8.9	12.6	6.3	0.59	BDL
24.10.2026	57.8	27.4	8.7	11.8	6.7	0.61	BDL
28.10.2026	55.7	26.3	9.3	12.4	6.3	0.57	BDL
31.10.2026	53.4	26.2	8.1	12.7	6.7	0.63	BDL
Monthly Averages	55.0	26.7	8.9	12.7	6.3	0.60	BDL
NAAQ Standard	**100**	**60**	**80**	**80**	**100**	**4**	**400**
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	**Chemical Method Indo Phenol Blue Method**	**NDIR Spectroscopy IS 5182 (Part-10):1999**	**Chemical Method IS 5182 Part-25**

Remarks:

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Reviewed By:

Approved By:

Ref: Envlab/26-27/TR-10140 **Date: 05.11.2026**

AMBIENT NOISE QUALITY ANALYSIS REPORT FOR OCTOBER-2026

1.Name of Industry : **M/s SAGAR CEMENTS LIMITED, JAJPUR**
Kalinganagar Industrial complex, Danagadi, Jajpur, Odisha

2.Sample Collected By : VCSPL representative in presence of Client's representative

3.Date of Sampling : **07.10.2026**

Sl. No.	Monitoring Locations	CPCB [dB (A)] Leq Day Time	Noise level(dB (A) Leq
			Day Time
1	**NQ1**:Near Plant Main Gate Area	75	60.8
2	**NQ2**:Near Cement Mill Area	75	58.6
3	**NQ3**: Truck trippler	75	59.7
4	**NQ4**:Chanda villege	55	47.5
5	**NQ5**:Jakhapura villege	55	45.3
6	**NQ6**:Ravana villege	55	46.7

Sl. No.	Monitoring Locations	CPCB [dB (A)] Leq Night Time	Noise level(dB (A) Leq
			Night Time
1	**NQ1**:Near Plant Main Gate Area	70	52.4
2	**NQ2**:Near Cement Mill Area	70	50.2
3	**NQ3**: Truck trippler	70	51.4
4	**NQ4**:Chanda villege	45	41.7
5	**NQ5**:Jakhapura villege	45	40.6
6	**NQ6**:Ravana villege	45	41.2

NoiseStandard as per CPCB guidelines:

Industrial Zone	**75**	**70**
Residential Area	**55**	**45**

Instrument Used: Sound Level Mete

Remarks:
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Reviewed By:

Approved By:

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

Ref: Envlab/26-27/TR-10141 **Date: 05.11.2026**

STP WATER QUALITY ANALYSIS REPORT FOR OCTOBER-2026

1. Name of Industry : **M/s SAGAR CEMENTS LIMITED**
   Kalinganagar Industrial complex, Danagadi, Jajpur, Odisha
1. Date of Sampling : 07.10.2026
2. Date of Analysis : 08.10.2026 to 14.10.2026
2. Sampling Location : **STW-1**:Inlet Water From STP 50 KLD
   STW-2: Outlet Water From STP 50 KLD
3. 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 25^0C	mg/l	**pH Meter** APHA 23^{RD} Ed,2017 : 4500H^+ B	7.33	7.52
2	Biological Oxygen Demand as BOD (3 Days At 27^0C)	mg/l	**Oxygen Depletion Method** IS 3025(P-44) : 1993, RA 2003	10.6	7.5
3	Total Suspended Solids as TSS	mg/l	**Gravimetric Method** APHA 23^{RD} Ed,2017 : 2540 D	11.8	6.1
3	FECAL CALIFORM	mg/l	**APHA 9221 E**	13	<1.8

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Reviewed By:

VISIONTEK CONSULTANCY SERVICES PVT. LTD.

Approved By:

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORT

Ref: **Envlab/25-26/TR-10142** **Date: 05.11.2026**

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

Sample Location	DW:ADMIN BUILDING	Sampled by	VCSPL'S Representative
Sample Description	Drinking Water	Sampling Procedure	APHA 1060
Sample Source	Canal water	Sample Received on	08.10.2026
Sample Condition	Ice Preserved (Sealed plastic & Sterilized bottle)		
Sampling Date	07.10.2026	Test Completed on	08.10.2026 to 14.10.2026

Sl. No	Parameters	Unit	Standard as per IS 10500: 2012 Amnd 2015 & 2018 (Acceptable Limit)	Test methods	Results
1	Color	Hazen	Max 5	1S 3025(Part-4):2017	1
2	Odour	--	Agreeable	1S 3025(Part-5):2018	Agreeable
3	pH value 25°C	--	6.5-8.5	1S 3025(Part11):2017	7.52
4	Turbidity	NTU, max	Max1.0	1S 3025(Part-10):2017	<1.0
5	Total Dissolved Solids (at 180°C)	mg/l	Max 500	1S 3025(Part-16):2017	161.5
6	Temperature	^{0}C	-	1S 3025(Part-11):2023	24.6
7	Electrical Conductivity (at 25°C)	µS/cm	-	1S 3025(Part-14):2019	275.8
8	Calcium (as Ca)	mg/l ,max	Max 75	1S 3025(Part-40):2019	16.7
9	Chloride (as Cl)	mg/l ,max	Max 250	1S 3025(Part-32):2019	33.7
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	1S 3025(Part-60):2023	0.07
12	Free Residual Chlorine	mg/l ,min	Max 0.2	1S 3025(Part-25):2019	<0.1
13	Iron (as Fe)	mg/l ,max	Max1.0	APHA23rd Edition 3111B:2017	0.36
14	Magnesium (as Mg)	mg/l ,max	Max 30	1S 3025(Part-46):2019	14.2
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	1S 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	1S 3025(Part-24):2019	11.3
19	Nitrate (as NO_3)	mg/l ,max	Max 45	1S 3025(Part-34):2019	5.7
20	Total Alkalinity as CaCO3	mg/l ,max	Max 200	1S 3025(Part-23):2019	72
21	Total Hardness as CaCO3	mg/l ,max	Max 200	1S 3025(Part-21):2019	108
22	Carbonate Alaklinity as CO3	mg/l ,max	-	1S 3025(Part-23):2023	<5.0
23	Bi-Carbonate Alaklinity as HCO3	mg/l ,max	-	1S 3025(Part-23):2023	71
24	Sodium as Na	mg/l ,max	-	APHA23rd Edition 3500Na:2017	9.3
25	Potassium as K	mg/l ,max	-	APHA23rd Edition 3500K:2017	4.3
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	1S 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 Form	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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Reviewed By: **Approved By:**

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E-mail: visiontek@visiontek.org, visiontekin@gmail.com
Visit us at: www.visiontek.org

TEST REPORT

Ref:Envlab/26-27/TR-10143 **Date: 05.11.2026**

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	:	**07.10.2026**
			Sample Received on	:	**08.10.2026**
Sample Descrption	:	**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	:	**08.10.2026**	Test Completed on	:	**12.10.2026**

1.Chemical Testing

A. Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18th Nov. 2009	Analysis Result
1	Particulate matter as PM_{10}	($\mu g/m^3$)	IS 5182: Part 23: 2006, RA 2017	**100**	**52.7**
2	Particulate matter as $PM_{2.5}$	($\mu g/m^3$)	IS 5182 (Part 24):2019	**60**	**26.4**
3	Sulphur Oxides as SO_2	($\mu g/m^3$)	IS 5182 (Part 2): 2001, RA 2017	**80**	**19.8**
4	Nitrogen Oxides as NOx	($\mu g/m^3$)	IS 5182 (Part 6): 2006, RA 2017	**80**	**20.3**

Remarks:

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VISIONTEK CONSULTANCY SERVICES PVT. LTD.

Reviewed by

VISIONTEK CONSULTANCY SERVICES PVT. LTD.

Approved by:

Ref:Envlab/26-27/TR-10144 **TEST REPORT** **Date: 05.11.2026**

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

Name of the Industry	:	**M/s SAGAR CEMENTS JAJPUR**	Date of Sampling	:	**07.10.2026**
			Sample Received on	:	**08.10.2026**
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	:	**08.10.2026**	Test Completed on	:	**12.10.2026**

1. Chemical Testing

A. Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18th Nov. 2009	Analysis Result
1	Particulate matter as PM_{10}	($\mu g/m^3$)	IS 5182: Part 23: 2006, RA 2017	**100**	**56.7**
2	Particulate matter as $PM_{2.5}$	($\mu g/m^3$)	IS 5182 (Part 24):2019	**60**	**27.3**
3	Sulphur Oxides as SO_2	($\mu g/m^3$)	IS 5182 (Part 2): 2001, RA 2017	**80**	**16.2**
4	Nitrogen Oxides as NOx	($\mu g/m^3$)	IS 5182 (Part 6): 2006, RA 2017	**80**	**20.8**

Remarks:

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VISIONTEK CONSULTANCY SERVICES PVT. LTD.

Reviewed by

VISIONTEK CONSULTANCY SERVICES PVT. LTD.

Approved by:

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

Ref. No: EnvLab /26-27/TR-10145 **TEST REPORT** **Date: 05.11.2026**

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

Name of the Industry	:	M/s SAGAR CEMENTS LIMITED, JAJPUR	Date of Sampling	:	07.10.2026
			Sample Received on	:	08.10.2026
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	:	08.10.2026	Test Completed on	:	12.10.2026

2. Chemical Testing

B. Atmospheric Pollution

Sl. No	Parameters	Unit	Test Method	National Ambient Air Quality Standard, CPCB, 18th Nov. 2009	Analysis Result
1	Particulate matter as PM_{10}	($\mu g/m^3$)	IS 5182 : Part 23: 2006, RA 2017	100	54.6
2	Particulate matter as $PM_{2.5}$	($\mu g/m^3$)	IS 5182 (Part 24):2019	60	27.3
3	Sulphur Oxides as SO_2	($\mu g/m^3$)	IS 5182 (Part 2): 2001, RA 2017	80	22.8
4	Nitrogen Oxides as NOx	($\mu g/m^3$)	IS 5182 (Part 6): 2006, RA 2017	80	24.6

Remarks:

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Reviewed by

VISIONTEK CONSULTANCY SERVICES PVT. LTD.

Approved by:

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E-mail: visiontek@visiontek.org, visiontekin@gmail.com
Visit us at: www.visiontek.org

Visiontek Consultancy Services Pvt. Ltd.

(Committed For Better Environment)

TEST REPORT

Ref: **Envlab/25-26/TR-10146** **Date:** **05.11.2026**

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

Sample Location	**VILLAGE CHANDIA**	**Sampled by**	**VCSPL's Representative**
Sample Description	**GW-1**	**Sampling Procedure**	**APHA 1060**
Sample Source	**Ground water**	**Sample Received on**	**08.10.2026**
Sample Condition	**Ice Preserved (Sealed plastic & Sterilized bottle)**		
Sampling Date	**07.10.2026**	**Test Completed on**	**14.10.2026**

Sl. No	Parameters	Unit	Standard as per IS 10500: 2012 Amnd 2015 & 2018 (Acceptable Limit)	Test methods	Results
1	Color	Hazen	**Max 5**	1S 3025(Part-4):2017	GW-1
2	Odour	--	**Agreeable**	1S 3025(Part-5):2018	Agreeable
3	Taste			APHA 23rd Ed,2017 : 2160 C	Agreeable
4	pH value 25°C	--	**6.5-8.5**	1S 3025(Part11):2017	7.48
5	Turbidity	NTU, max	**Max1.0**	1S 3025(Part-10):2017	<1.0
6	Total Dissolved Solids (at 180°C)	mg/l	**Max 500**	1S 3025(Part-16):2017	420.7
7	Calcium (as Ca)	mg/l ,max	**Max 75**	1S 3025(Part-40):2019	32.7
8	Chloride (as Cl)	mg/l ,max	**Max 250**	1S 3025(Part-32):2019	34.5
9	Copper (as Cu)	mg/l ,max	**Max 0.05**	APHA23rdEdition 3111B:2017	<0.05
10	Fluoride (as F)	mg/l ,max	**Max 1.0**	1S 3025(Part-60):2023	0.28
11	Iron (as Fe)	mg/l ,max	**Max1.0**	APHA23rdEdition 3111B:2017	0.25
12	Magnesium (as Mg)	mg/l ,max	**Max 30**	1S 3025(Part-46):2019	16.2
13	Manganese (as Mn)	mg/l ,max	**Max 0.1**	APHA23rdEdition 3111B:2017	<0.036
14	Sulphate (as SO_4)	mg/l ,max	**Max 200**	1S 3025(Part-24):2019	19.7
15	Nitrate (as NO_3)	mg/l ,max	**Max 45**	1S 3025(Part-34):2019	2.38
16	Total Alkalinity (as CaCO3)	mg/l ,max	**Max 200**	1S 3025(Part-23):2019	141.6
17	Total Hardness (as CaCO3)	mg/l ,max	**Max 200**	1S 3025(Part-21):2019	150.7
18	Free residual chloride	mg/l ,max	**Max 0.2**	APHA 4500 Cl B	ND

Remarks:
TERMS AND CONDITION: -
1. The Test result is relevant only to the item tested.
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5. The laboratory's responsibility under this report is limited to; proven willful negligence.

Reviewed By: **Approved by:**

Ref: Envlab/26-27/TR-10147 **Date: 05.11.2026**

STACK EMISSION MONITORING REPORT FOR OCTOBER-2026

CUSTOMER DETAILS

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

SAMPLE DETAILS

Sample Location & Code	:	**ST1: Cement Mill**	**Sampling Procedure**	**IS 11255**
Date of Sampling	:	**07.10.2026**	**Material Construction of stack**	**MS Plate**
Time of Sampling	:	**16.10Hrs-16.50 Hrs**	**Shape of Stack**	**Circular**
Date of Analysis	:	**08.10.2026 TO 12.10.2026**	**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)	--	^0K	354
2.	Velocity of Gas	IS 11255: 1985(Part 3)	--	m/sec	10.32
3.	Quantity of gas flow, at dry Condition	IS 11255: 1985(Part 3)	--	Nm^3/hr	135061.49
4.	Moisture	IS 11255: 1985(Part 3)	--	%	0.57
5.	Concentration of Particulate Matter (as PM)	IS 11255: 1985 (Part 1)	30 mg/Nm^3	mg/Nm^3	9.4
6.	Sulphur Dioxide (as SO_2)	IS 11255: 1985(Part 2)	--	mg/Nm^3	1.2
7.	Nitrogen Oxide (as NOx)	IS 11255: 2005 (Part 7)	--	mg/Nm^3	1.6

Remarks:

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Reviewed By:

VISIONTEK CONSULTANCY SERVICES PVT. LTD.

Approved By:

Visiontek Consultancy Services Pvt. Ltd

(Committed For Better Environment)

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