



SAGAR CEMENTS LIMITED

Date: 09.04.2026

SCL/ENV/CTO Monthly/2026/13

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 March-2026.

Ref: Consent to operate order No. 4799 IND-I-CON-6806, dated-27.03.2023, online application ID No. 4562731, dated-20.12.2022.

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 March-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

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

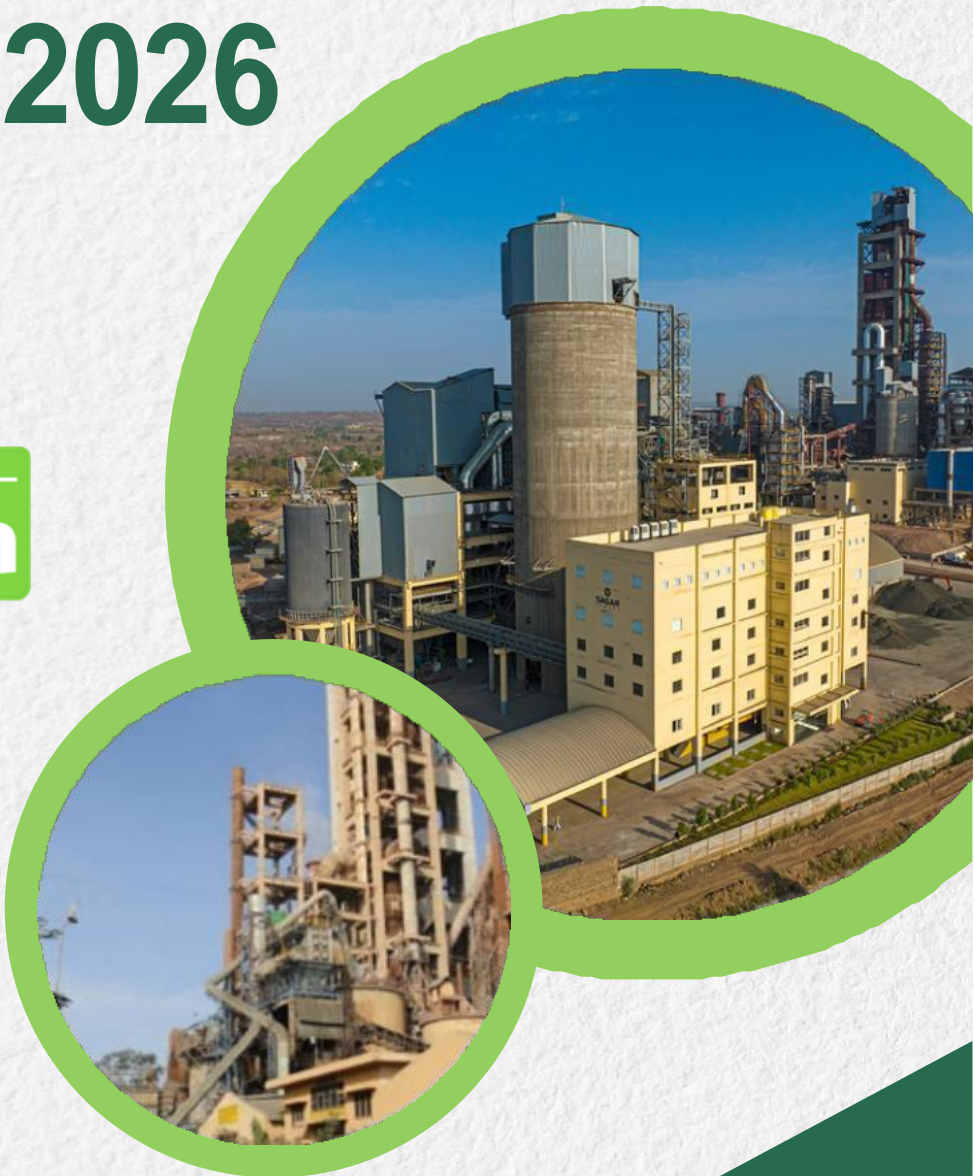
Gudipadu Village, Yadiki Mandal, Ananthapur District, Andhra Pradesh State - 515408. Phone: 08558-200272 GSTIN : 37AACCS8680H1ZX

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



ENVIRONMENTAL MONITORING REPORT MARCH 2026

Prepared By



SAGAR CEMENT PLANT

CONTENTS

The following attributes, for the Environmental Parameters as proposed, were monitored during the month of MARCH 2026 at the given frequency.

SI No	Attribute	No of Parameters	Frequency	No of Location
1	Ambient Air (Lease)	05 Parameters	Twice a Week	04
2	Ambient Air (Buffer)	04 Parameters	Once a Month	03
3	Ambient Noise (Lease)	Noise (Day & Night)	Once a Month	04
4	Ambient Noise (Buffer)	Noise (Day & Night)	Once a Month	03
5	Wastewater STP (outlet)	Waste Water Parameters	Once a Month	02
6	Drinking-Water	As per IS 10500	Once a Month	01
7	Stack Emission Monitoring	As per IS 11255	Once a Month	01
8	Surface Water Quality	As per IS 2296/ CPCB	Once a Month	02
9	SPM(Fugitive)	01Parameter	Quarterly	03
10	Ambient Air (Lease)	12 Parameters	Quarterly	04



NAME OF THE PLANT: SAGAR CEMENT

MONTH: MARCH 2026

**DESCRIPTION OF WORK: AMBIENT AIR IN LEASE ZONE
05 PARAMETERS**



ECOMEN MINING PVT. LTD.

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME&ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA/012/618-626/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Ambient Air Sample		
Sample Registration No.	012	Name of Location	Near Plant Main Gate Area
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	03.03.2026 - 31.03.2026	Time of Sample Collection	-
Start Date of Analysis	04.03.2026	End Date of Analysis	31.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 26 ±2 °C	Sample ID Code	ECOLAB/618-626/03/2026
	Humidity: 62%		

Parameters	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Suphur Di-oxide (SO ₂) µg/m ³	Nitrogen Oxides (NO ₂) µg/m ³	Carbon mono-oxides as CO mg/m ³	
PROTOCOL	IS:5182(Part-23)	IS:5182(Part-24)	IS:5182(Part-2)	IS:5182(Part-6)	IS:5182(Part-10)	
Limits of Detection	10-1000	10-1000	5-200	5-200	0.1-100	
Limitas per National Ambient Air Quality Standards	100	60	80	80	4	
S. No.	Sampling Date	Results				
1.	02.03.2026	55.7	22.4	12.1	16.0	0.46
2.	03.03.2026	60.0	24.8	13.2	18.1	0.52
3.	09.03.2026	63.6	26.8	14.2	17.2	0.58
4.	10.03.2026	64.2	25.9	13.0	17.6	0.59
5.	16.03.2026	61.9	24.8	15.2	16.9	0.58
6.	17.03.2026	55.9	22.6	12.8	14.9	0.54
7.	24.03.2026	50.8	20.5	12.4	14.0	0.46
8.	25.03.2026	60.2	22.4	13.1	17.9	0.58
9.	30.03.2026	59.4	21.3	12.8	17.5	0.56
Monthly Average		59.1	23.5	13.2	16.7	0.54

Instrument Details		
Instrument Used	Instrument Model	Calibration Due
Respirable Dust sampler	RDS APM-460 (241G24)	28.11.2026
Fine Particulate sampler	Envirotech APM MMFC 550 (353-H24)	28.11.2026

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Verified by


Technical Manager

Authorized By


Quality Manager

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME&ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA/012/627-635/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Ambient Air Sample		
Sample Registration No.	012	Name of Location	Near Cement Mill Area
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	03.03.2026 – 31.03.2026	Time of Sample Collection	-
Start Date of Analysis	04.03.2026	End Date of Analysis	31.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ±2 °C	Sample ID Code	ECOLAB/627-635/03/2026
	Humidity: 62%		

Parameters	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Sulphur Di-oxide (SO ₂) µg/m ³	Nitrogen Oxides (NO ₂) µg/m ³	Carbon mono-oxides as CO mg/m ³	
PROTOCOL	IS:5182(Part-23)	IS:5182(Part-24)	IS:5182(Part-2)	IS:5182(Part-6)	IS:5182(Part-10)	
Limits of Detection	10-1000	10-1000	5-200	5-200	0.1-100	
Limitas per National Ambient Air Quality Standards	100	60	80	80	4	
S. No.	Sampling Date	Results				
1.	02.03.2026	63.1	28.2	14.0	17.5	0.50
2.	03.03.2026	61.8	27.6	15.2	19.3	0.60
3.	09.03.2026	59.3	24.5	12.2	16.9	0.50
4.	10.03.2026	60.9	26.7	13.0	17.8	0.51
5.	16.03.2026	55.5	24.8	15.8	18.2	0.55
6.	17.03.2026	61.8	24.8	13.7	17.8	0.52
7.	24.03.2026	58.8	24.5	12.6	16.8	0.48
8.	25.03.2026	62.4	26.2	12.8	15.9	0.48
9.	30.03.2026	60.2	24.5	13.4	16.5	0.51
Monthly Average		60.4	25.8	13.6	17.4	0.52

Instrument Details		
Instrument Used	Instrument Model	Calibration Due
Respirable Dust sampler	RDS EI-142 (247-A-22)	28.11.2026
Fine Particulate sampler	Envirotech EI-132 (229-A-22)	28.11.2026

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Verified by

(Signature)
Technical Manager

Authorized By



Quality Manager

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME&ADDRESS OF CUSTOMER:	M/SSagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA012/636-644/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Ambient Air Sample		
Sample Registration No.	012	Name of Location	Near Hopper Building Area
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	03.03.2026 – 31.03.2026	Time of Sample Collection	-
Start Date of Analysis	04.03.2026	End Date of Analysis	31.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ±2 °C	Sample ID Code	ECOLAB/636-644/03/2026
	Humidity: 62%		

Parameters	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Suphur Di-oxide (SO ₂) µg/m ³	Nitrogen Oxides (NO ₂) µg/m ³	Carbon mono-oxides as CO mg/m ³	
PROTOCOL	IS:5182(Part-23)	IS:5182(Part-24)	IS:5182(Part-2)	IS:5182(Part-6)	IS:5182(Part-10)	
Limits of Detection	10-1000	10-1000	5-200	5-200	0.1-100	
Limitas per National Ambient Air Quality Standards	100	60	80	80	4	
S. No.	Sampling Date	Results				
1.	02.03.2026	60.9	28.4	13.2	17.2	0.49
2.	03.03.2026	63.2	27.8	14.6	19.2	0.54
3.	09.03.2026	58.7	23.8	12.9	16.1	0.51
4.	10.03.2026	59.2	26.2	13.2	18.9	0.54
5.	16.03.2026	53.9	22.2	12.2	14.8	0.48
6.	17.03.2026	59.4	24.8	12.8	17.4	0.48
7.	24.03.2026	56.5	20.6	12.3	16.2	0.46
8.	25.03.2026	51.9	22.5	13.1	15.9	0.50
9.	30.03.2026	56.4	24.7	14.2	16.8	0.55
Monthly Average		57.8	24.6	13.2	16.9	0.51

Instrument Details		
Instrument Used	Instrument Model	Calibration Due
Respirable Dust sampler	RDS APM-460 (241G24)	28.11.2026
Fine Particulate sampler	Envirotech APM MMFC 550 (353-H24)	28.11.2026

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Verified by


Technical Manager

Authorized By


Quality Manager



TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME & ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA012/645-653/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Ambient Air Sample		
Sample Registration No.	012	Name of Location	Near Truck Tippler Boundary Wall
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	03.03.2026 - 31.03.2026	Time of Sample Collection	-
Start Date of Analysis	04.03.2026	End Date of Analysis	31.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ± 2 °C	Sample ID Code	ECOLAB/645-653/03/2026
	Humidity: 62%		

Parameters	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Sulphur Di-oxide (SO ₂) µg/m ³	Nitrogen Oxides (NO _x) µg/m ³	Carbon mono-oxides as CO mg/m ³	
PROTOCOL	IS:5182(Part-23)	IS:5182(Part-24)	IS:5182(Part-2)	IS:5182(Part-6)	IS:5182(Part-10)	
Limits of Detection	10-1000	10-1000	5-200	5-200	0.1-100	
Limitas per National Ambient Air Quality Standards	100	60	80	80	4	
S. No.	Sampling Date	Results				
1.	02.03.2026	50.2	18.9	12.1	16.3	0.45
2.	03.03.2026	55.6	20.9	13.0	15.8	0.47
3.	09.03.2026	57.8	22.0	13.0	17.8	0.50
4.	10.03.2026	52.4	21.8	11.9	15.4	0.48
5.	16.03.2026	49.7	18.1	11.0	14.6	0.44
6.	17.03.2026	46.8	20.4	13.9	15.4	0.48
7.	24.03.2026	50.1	19.8	13.2	16.2	0.50
8.	25.03.2026	48.2	20.1	12.3	15.6	0.46
9.	30.03.2026	54.8	21.4	13.5	17.3	0.52
Monthly Average		51.7	20.4	12.7	16.0	0.48

Instrument Details		
Instrument Used	Instrument Model	Calibration Due
Respirable Dust sampler	RDS APM 460 (231G24)	28.11.2026
Fine Particulate sampler	Envirotech APM MMFC 550 (352H24)	28.11.2026

Opinion/Observation: Analyzed parameters in above tested samples are within standard limit as per NAAQMS Guidelines.

Verified by

(Signature)
Technical Manager

Authorized By

(Signature)
Quality Manager





NAME OF THE PLANT:

SAGAR CEMENT

MONTH:

MARCH 2026

DESCRIPTION OF WORK:

AMBIENT AIR IN BUFFER ZONE

04 PARAMETERS



ECOMEN MINING PVT. LTD.

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME&ADDRESS OF CUSTOMER:	M/SSagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA/012/654/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Ambient Air Sample		
Sample Registration No.	012	Name of Location	Chandia village
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	19.03.2026	Time of Sample Collection	-
Start Date of Analysis	20.03.2026	End Date of Analysis	21.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ±2 °C	Sample ID Code	ECO/LAB/654/03/2026
	Humidity: 62%		

Parameters	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Suphur Di-oxide (SO ₂) µg/m ³	Nitrogen Oxides (NO ₂) µg/m ³	
PROTOCOL	IS:5182(Part-23)	IS:5182(Part-24)	IS:5182(Part-2)	IS:5182(Part-6)	
Limits of Detection	10-1000	10-1000	5-200	5-200	
Limit as per National Ambient Air Quality Standards	100	60	80	80	
S. No.	Sampling Date	Results			
1.	18.03.2026	50.4	18.6	11.8	13.2

Instrument Details		
Instrument Used	Instrument Model	Calibration Due
Respirable Dust sampler	RDS APM-460 (241G24)	30.09.2026
Fine Particulate sampler	Envirotech APM MMFC 550 (353-H24)	30.09.2026

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Verified by

(Signature)
Technical Manager

Authorized By

(Signature)
Quality Manager



TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME&ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA/012/655/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Ambient Air Sample		
Sample Registration No.	012	Name of Location	Jakhapura village
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	19.03.2026	Time of Sample Collection	-
Start Date of Analysis	20.03.2026	End Date of Analysis	21.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ±2 °C	Sample ID Code	ECO/LAB/655/03/2026
	Humidity: 62%		

cc	Particulate Matter (PM ₁₀) µg/m ³	Particulate Matter (PM _{2.5}) µg/m ³	Sulphur Di-oxide (SO ₂) µg/m ³	Nitrogen Oxides (NO ₂) µg/m ³
PROTOCOL	IS:5182(Part-23)	IS:5182(Part-24)	IS:5182(Part-2)	IS:5182(Part-6)
Limits of Detection	10-1000	10-1000	5-200	5-200
Limitas per National Ambient Air Quality Standards	100	60	80	80
S. No.	Sampling Date	Results		
1.	18.03.2026	52.9	23.2	12.8 16.1

Instrument Details		
Instrument Used	Instrument Model	Calibration Due
Respirable Dust sampler	RDS EI-142 (247-A-22)	30.09.2026
Fine Particulate sampler	Envirotech EI-132 (229-A-22)	30.09.2026

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Verified by

Ahmed Khan
Technical Manager

Authorized By



TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME&ADDRESSOF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA/012/656/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Ambient Air Sample		
Sample Registration No.	012	Name of Location	Ravana Village
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	19.03.2026	Time of Sample Collection	-
Start Date of Analysis	20.03.2026	End Date of Analysis	21.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ±2 °C	Sample ID Code	ECO/LAB/656/03/2026
	Humidity: 62%		

Parameters	ParticulateMatter (PM ₁₀) µg/m ³	ParticulateMatter (PM _{2.5}) µg/m ³	Suphur Di-oxide (SO ₂) µg/m ³	Nitrogen Oxides (NO ₂) µg/m ³
PROTOCOL	IS:5182(Part-23)	IS:5182(Part-24)	IS:5182(Part-2)	IS:5182(Part-6)
Limits of Detection	10-1000	10-1000	5-200	5-200
Limits per National Ambient Air Quality Standards	100	60	80	80
S. No.	Sampling Date	Results		
1.	18.03.2026	54.1	20.8	13.1
				15.8

Instrument Details		
Instrument Used	Instrument Model	Calibration Due
Respirable Dust sampler	RDS APM-460 (241G24)	30.09.2026
Fine Particulate sampler	Envirotech APM MMFC 550 (353-H24)	30.09.2026

Opinion/Observation: Analyzed parameters in above tested sample are within standard limit as per NAAQMS Guidelines.

Verified by

(Signature)
Technical Manager

Authorized By





NAME OF THE PLANT:

SAGAR CEMENT

MONTH:

MARCH 2026

DESCRIPTION OF WORK:

**NOISE MONITORING
LEASE ZONE**



ECOMEN MINING PVT. LTD.

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/13

NAME & ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AN/012/657-660/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Ambient Noise Level Monitoring		
Sample Registration No.	012	Name of Location	Mentioned Below
Sampling Method	IS 9989:1981	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	25.03.2026 - 29.03.2026	Time of Sample Collection	-
Start Date of Analysis	30.03.2026	End Date of Analysis	31.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ± 2°C	Sample ID Code	ECOLAB/657-660/03/2026
	Humidity: 68 % RH	Instrument Name	Sound Level Meter

S. No.	Start Time	Duration	Noise levels - Results					Limits as per CPCB		Test Method
			Location	Lmin, dB(A)	Lmax, dB(A)	Leq Day	Leq Night	Day Time	Night Time	
								75 dB(A)	70 dB(A)	
1	06.00 AM	24 Hrs.	Near Plant Main Gate Area	39.2	73.4	65.7	53.4	75 dB(A)	70 dB(A)	IS 9989:1981, RA 2014
2	06.00 AM	24 Hrs.	Near Cement Mill Area	42.1	76.4	69.3	55.6	75 dB(A)	70 dB(A)	IS 9989:1981, RA 2014
3	06.00 AM	24 Hrs.	Near Hopper Building Area	43.8	72.9	64.5	54.8	75 dB(A)	70 dB(A)	IS 9989:1981, RA 2014
4	06.00 AM	24 Hrs.	Near Truck Tippler Area	38.5	73.1	57.8	50.4	75 dB(A)	70 dB(A)	IS 9989:1981, RA 2014

Category Area/ Zone	Limits in dB (A)	
	Day Time (6.00 Hrs. to 22.00 Hrs.)	Night Time (22.00 Hrs. to 6.00 Hrs.)
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines.

Verified by

Technical Manager

Authorized By

Quality Manager





NAME OF THE PLANT:

SAGAR CEMENT

MONTH:

MARCH 2026

DESCRIPTION OF WORK:

**NOISE MONITORING
BUFFER ZONE**



ECOMEN MINING PVT. LTD.

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/13

NAME & ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AN/012/661-663/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Ambient Noise Level Monitoring		
Sample Registration No.	012	Name of Location	Mentioned Below
Sampling Method	IS 9989:1981	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	18.03.2026 - 21.03.2026	Time of Sample Collection	-
Start Date of Analysis	22.03.2026	End Date of Analysis	23.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ± 2°C	Sample ID Code	ECO/LAB/661-663/03/2026
	Humidity: 68 % RH	Instrument Name	Sound Level Meter

S. No.	Start Time	Duration	Noise levels - Results					Limits as per CPCB		Test Method
			Location	L min, dB(A)	Lmax, dB(A)	Leq Day	Leq Night	Day Time	Night Time	
								55 dB(A)	45 dB(A)	
1	06.00 AM	24 Hrs.	Chandia Village	33.2	58.4	47.6	38.3	55 dB(A)	45 dB(A)	IS 9989:1981, RA 2014
2	06.00 AM	24 Hrs.	Jakhapura Village	36.3	65.1	49.6	40.3	55 dB(A)	45 dB(A)	IS 9989:1981, RA 2014
3	06.00 AM	24 Hrs.	Ravana Village	31.5	60.8	48.7	37.5	55 dB(A)	45 dB(A)	IS 9989:1981, RA 2014

Category Area/ Zone	Limits in dB (A)	
	Day Time (6.00 Hrs. to 22.00 Hrs.)	Night Time (22.00 Hrs. to 6.00 Hrs.)
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

Opinion/Observation: Noise Level is meeting requirements as per CPCB Guidelines.

Verified by


Technical Manager

Authorized By


Quality Manager





NAME OF THE PLANT:

SAGAR CEMENT

MONTH:

MARCH 2026

DESCRIPTION OF WORK:

STP (WASTE WATER)



ECOMEN MINING PVT. LTD.

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/07

NAME & ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECO/LAB/WW/012/664/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Waste Water		
Sample Registration No.	012	Name of Location	STP Inlet 50 KLD
Sampling Method	APHA	Sample Collected By	Ecomen Lab Team
Date of Sample Collection	16.03.2026	Time of Sample Collection	-
Date of Sample Received	20.03.2026	Time of Sample Received	01:22 PM
Start Date of Analysis	21.03.2026	End Date of Analysis	26.03.2026
Laboratory Environmental Condition	Temperature: 27 ± 2 °C	Sample Quantity	As Per Requirement
	Humidity: 52 %	Sample ID Code	ECO/LAB/664/03/2026

S. No.	TESTS	Unit	PROTOCOL	RESULT	Detection Range	Standard G.S.R 422 (E)
						Desirable Limit
1.	pH	-	APHA, 24th Ed. 2023, 4500H+ A+B	6.42	2.0-12	5.5-9.0
2.	Total Suspended Solids as TSS	mg/l	APHA, 24th Ed. 2023, 2540-D	38.0	5 - 5000	100.0
3.	Total Dissolved Solids as TDS	mg/l	APHA, 24th Ed. 2023, 2540C	232.0	10-10000	-
4.	Biochemical Oxygen Demand as BOD 5 Days at 200C	mg/l	APHA, 24th Ed. 2023, 5210 A+B	20.0	5-10000	30.0
5.	Chemical Oxygen Demand as COD	mg/l	APHA, 24th Ed. 2023, 5220 A+C	117.0	5-50000	250.0

Statement of Conformity: The above tested parameters confirm as per GSR-422 (E) limits for above tested parameters and the results are related to the sample tested.

Note: - BDL- Below Detection Limit.

Verified by


Technical Manager

Authorized By


Quality Manager

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/07

NAME & ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECO/LAB/WW/012/665/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Waste Water		
Sample Registration No.	012	Name of Location	STP Outlet 50 KLD
Sampling Method	APHA	Sample Collected By	Ecomen Lab Team
Date of Sample Collection	16.03.2026	Time of Sample Collection	-
Date of Sample Received	20.03.2026	Time of Sample Received	01:22 PM
Start Date of Analysis	21.03.2026	End Date of Analysis	26.03.2026
Laboratory Environmental Condition	Temperature: 27 ± 2 °C	Sample Quantity	As Per Requirement
	Humidity: 52 %	Sample ID Code	ECO/LAB/665/03/2026

S. No.	TESTS	Unit	PROTOCOL	RESULT	Detection Range	Standard G.S.R 422 (E)
						Desirable Limit
01.	pH	-	APHA, 24th Ed. 2023, 4500H+ A+B	7.96	2.0 - 12	5.5-9.0
02.	Total Suspended Solids as TSS	mg/l	APHA, 24th Ed. 2023, 2540-D	6.0	5 - 5000	100.0
03.	Total Dissolved Solids as TDS	mg/l	APHA, 24th Ed. 2023, 2540C	247.0	10-10000	-
04.	Biochemical Oxygen Demand as BOD 5 Days at 200C	mg/l	APHA, 24th Ed. 2023, 5210 A+B	5.2	5-10000	30.0
05.	Chemical Oxygen Demand as COD	mg/l	APHA, 24th Ed. 2023, 5220 A+C	26.0	5-50000	250.0

Statement of Conformity: The above tested parameters confirm as per GSR-422 (E) limits for above tested parameters and the results are related to the sample tested.

Note: - BDL- Below Detection Limit.

Verified by

(Signature)
Technical Manager

Authorized By

(Signature)
Quality Manager





NAME OF THE PLANT:

SAGAR CEMENT

MONTH:

MARCH 2026

DESCRIPTION OF WORK:

DRINKING WATER QUALITY



ECOMEN MINING PVT. LTD.

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/09

NAME&ADDRESSOF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECO/LAB/DW/012/666/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Drinking Water		
Sample Registration No.	012	Name of Location	Near Gate No-1 WTP
Sampling Method	APHA	Sample Collected By	EMPL Representative
Date of Sample Collection	16.03.2026	Time of Sample Collection	-
Date of Sample Received	20.03.2026	Time of Sample Received	01:22 PM
Start Date of Analysis	21.03.2026	End Date of Analysis	26.03.2026
Laboratory Environmental Condition	Temperature: 27 ± 2 °C	Sample Quantity	As Per Requirement
	Humidity: 52 %	Sample ID Code	ECO/LAB/666/03/2026

Sl. No.	TESTS	Unit	PROTOCOL	RESULT	Detection Range	INDIANSTANDARDS as per IS 10500:2012(Reaff:2018)	
						Desirable	Permissible
1.	Colour	Hazen	APHA, 24 th Ed. 2023, 2120 B	<5.0	5-100	5.00	15.0
2.	Odour	-	APHA, 24 th Ed. 2023, 2150 B	Agreeable	Qualitative	Agreeable	Agreeable
3.	Turbidity as	NTU	APHA, 24 th Ed. 2023, 2130-A+B	BDL	1 - 100	1.0	5.0
4.	pH	-	APHA, 24 th Ed. 2023, 4500H+ A+B	7.18	2.0-12	6.5-8.5	No Relax.
5.	Total Suspended Solids as TSS	mg/l	APHA, 24 th Ed. 2023, 2540-C	BDL	5 - 5000	-	-
6.	Total Dissolved Solids as TDS	mg/l	APHA, 24 th Ed. 2023, 2540-C	126.0	5 - 5000	500	2000
7.	Total Alkalinity	mg/l	APHA, 24 th Ed. 2023, 2320 A+ B	30.0	5-1500	200	600
8.	Total Hardness as CaCO ₃	mg/l	APHA, 24 th Ed. 2023, 2342 A+C	54.0	5-1500	200.0	600.0
9.	Calcium as Ca	mg/l	APHA, 24 th Ed. 2023, 3500 Ca A+B	14.0	5 - 1000	75.0	200.0
10.	Magnesium as Mg	mg/l	APHA, 24 th Ed. 2023, 3500 Mg A+B	10.4	5-1000	30.0	100.0
11.	Sulfate as SO ₄	mg/l	APHA, 24 th Ed. 2023, 4500-SO ₄ ²⁻ E	BDL	1.0-250	200.0	400.0
12.	Nitrate Nitrogen as NO ₃	mg/l	APHA, 24 th Ed. 2023, 4500-NO ₃ ⁻ B	BDL	5.0 - 100	45.0	No Relax.
13.	Sodium	mg/l	APHA, 24 th Ed. 2023, 3500 Na- A+B	BDL	1-100	-	-
14.	Potassium	mg/l	APHA, 24 th Ed. 2023, 3500 K- A+B	BDL	1-100	-	-
15.	Chloride as Cl	mg/l	APHA, 24 th Ed. 2023, 4500 Cl A+B	16.0	5-1000	250.0	1000.0
16.	Fluorides as F	mg/l	APHA, 24 th Ed. 2023, 4500-C	0.12	0.05-10	1.0	1.5
17.	Hexavalent Chromium as Cr ⁺⁶	mg/l	APHA, 24 th Ed. 2023, 4500-Cr A+C	BDL	0.05-5	-	-
18.	Copper as Cu	mg/l	APHA, 24 th Ed. 2023, 3111 A+B	BDL	0.05-5	0.05	1.5
19.	Iron as Fe	mg/l	APHA, 24 th Ed. 2023, 3500 Fe B	0.12	0.02-50	0.3	No Relax.
20.	Manganese as Mn	mg/l	APHA, 24 th Ed. 2023, 3111 A+B	BDL	0.1-5	0.10	0.30
21.	Arsenic as As	mg/l	APHA, 24 th Ed. 2023, 3114 C	BDL	0.01-2	0.01	0.05
22.	Zinc as Zn	mg/l	APHA, 24 th Ed. 2023, 3111 A+B	BDL	0.02-50	5.0	15
23.	Total Chromium as Cr	mg/l	APHA, 24 th Ed. 2023, 3111A+B	BDL	0.05-20	0.05	No Relax.
24.	Phenolic Compounds as C ₆ H ₅ OH	mg/l	APHA, 24 th Ed. 2023, 5530 A+C	BDL	1-10	0.006	0.006
25.	Free Residual Chlorine	mg/l	APHA, 24 th Ed. 2023, 4500-ClB	BDL	0.5-10	0.20	1.0
26.	Mercury as Hg	mg/l	APHA, 24 th Ed. 2023, 3112 A+B	BDL	0.006-1	0.006	No Relax
27.	Lead as Pb	mg/l	APHA, 24 th Ed. 2023, 3111 A+B	BDL	0.01-1	0.01	No Relax
28.	Cadmium as Cd	mg/l	APHA, 24 th Ed. 2023, 3111 A+B	BDL	0.006-2	0.006	No Relax
29.	Boron as B	mg/l	APHA, 24 th Ed. 2023, 4500 B A+C	BDL	0.2-10	0.5	1.0
28.	Anionicdetergent as MABS	mg/l	APHA, 24 th Ed. 2023, 5540 A+C	BDL	0.01-5	0.2	1.0
31.	E. Coli	Per 100 ml	IS-15185,2016 RA-2021	Absent	<1.0	Absent	Absent

Statement of Conformity: The above tested parameters confirm as per IS-10500-2012 (Reaff.-2018) limits for above tested parameters and the results are related to the sample tested.

Note: - BDL- Below Detection Limit.

Verified by

(Signature)
Technical Manager

Authorized By



Quality Manager



NAME OF THE PLANT:

SAGAR CEMENT

MONTH:

MARCH 2026

DESCRIPTION OF WORK:

STACK EMISSION



ECOMEN MINING PVT. LTD.

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/12

NAME&ADDRESS OF CUSTOMER	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AS/012/667/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Stack Emission		
Sample Registration No.	012	Name of Location	ST1 Cement Mill
Sampling Method	IS: 11255	Sample Collected By	EMPL Representative
Date of Sample Collection	28.03.2026	Time of Sample Collection	03.35 PM
Date of Sample Receipt	29.03.2026	Time of Sample Receipt	08.24 AM
Start Date of Analysis	30.03.2026	End Date of Analysis	31.03.2026
Weather Condition	Sunny	Sampling Duration	54.98 min
Environmental Condition	Temperature: 29±2°C	Sample ID Code	ECO/LAB/667/03/2026
	Humidity: 56%		
Instrument Name & Lab ID	Stack Kit (VSS-1) Envirotech		
	Flue Gas Analyzer		

Stack Details			
D) Above the Ground Level(m)	52.6	Ambient Temperature (°C)	36.0
Material of Stack	MS Plate	Stack Temperature (°C)	95.0
Stack Attached	Boiler	Cross Sectional Area of Stack	4.376
Shape of Stack	Circular	Velocity of Flue Gas (m/sec.)	12.365

Sl. No.	TEST PARAMETERS	Unit	PROTOCOL	Detection Range	RESULTS	Limit as per CPCB
1.	Particulate Matter (PM)	mg/Nm ³	IS 11255: Part 1:1985	10-1000	10.41	30.0
2.	Quantity of Gas flow at Dry Condition	Nm ³ /hr	IS 11255: Part 3:1985	-	147549.44	-
3.	Moisture	%	IS 11255: Part 3:1985	-	0.30	-

Statement of Conformity: Analyzed parameters in above tested sample are within standard limit as per MOEF/CPCB Guidelines.

Note:

1. Test results relate to the items sampled & tested.
2. Test report shall not be reproduced except in full without approval of the laboratory.
3. The test samples will be disposed of after one Month from the date of issue of test report.

---End of Report---

Verified by

[Signature]
 Technical Manager

Authorized By

[Signature]
 Quality Manager



NAME OF THE PLANT:

SAGAR CEMENT

MONTH:

MARCH 2026

DESCRIPTION OF WORK:

SURFACE WATER QUALITY



ECOMEN MINING PVT. LTD.

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/09

NAME&ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECO/LAB/SW/012/668/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Surface Water		
Sample Registration No.	012	Name of Location	SW1- Brahmani River upstream SW2- Brahmani River downstream
Sampling Method	APHA	Sample Collected By	EMPL Representative
Date of Sample Collection	16.03.2026	Time of Sample Collection	-
Date of Sample Received	20.03.2026	Time of Sample Received	01:22 PM
Start Date of Analysis	21.03.2026	End Date of Analysis	26.03.2026
Laboratory Environmental Condition	Temperature: 27 ± 2 °C	Sample Quantity	As Per Requirement
	Humidity: 52 %	Sample ID Code	ECO/LAB/668/03/2026

S. No.	TESTS	Unit	PROTOCOL	SW1	SW2	INDIAN STANDARDS as IS-2296(C)
1.	Colour	Hazen	APHA,24th Ed. : 2023, 2120 B	10.0	12.0	300
2.	pH	-	APHA,24th Ed. : 2023, 4500H+A+B	7.54	7.54	6.5-8.5
3.	Total Suspended Solids as TSS	mg/l	APHA,24th Ed. : 2023, 2540D	11.0	11.0	-
4.	Total Dissolved Solids as TDS	mg/l	APHA,24th Ed. : 2023, 2540-C	121.0	114.0	1500
5.	Biochemical Oxygen Demand as BOD	mg/l	IS-3025 Part-44,1993	2.0	2.0	3.0
6.	Chemical Oxygen Demand as COD	mg/l	APHA,24th Ed. : 2023, 5220 A+C	12.0	12.0	-
7.	Oil & Grease as O&G	mg/l	APHA, 24 th Ed. : 20235520 A+D	BDL	BDL	0.1
8.	Dissolved Oxygen as DO	mg/l	APHA,24th Ed. : 2023, 4500 A+C	5.8	5.7	4
9.	Chloride as Cl	mg/l	APHA,24th Ed. : 2023, 4500 Cl A+B	14.0	14.0	600
10.	Sulphate as SO ₄	mg/l	APHA,24th Ed. : 2023, 4500-SO42- E	9.4	9.1	400
11.	Nitrate Nitrogen as NO ₃	mg/l	APHA,24th Ed. : 2023, 4500-NO3 2- E	7.78	7.70	50
12.	Fluoride as F	mg/l	APHA,24th Ed. : 2023, 4500-C	0.20	0.22	1.5
13.	Iron as Fe	mg/l	APHA,24th Ed. : 2023, 3500 Fe B	0.16	0.18	50.0
14.	Arsenic as As	mg/l	APHA,24th Ed. : 2023, 3111 A+B	BDL	BDL	0.2
15.	Hexavalent Chromium as Cr ⁺⁶	mg/l	APHA,24th Ed. : 2023, 3111 A+B	BDL	BDL	0.05
16.	Copper as Cu	mg/l	APHA,24th Ed. : 2023, 3111 A+B	BDL	BDL	1.5
17.	Zinc as Zn	mg/l	APHA,24th Ed. : 2023, 3111 A+B	0.14	0.14	15
18.	Phenolic Compound as C ₆ H ₅ OH	mg/l	APHA,24th Ed. : 2023, 5530 A+C	BDL	BDL	0.006
19.	Anionic Detergent as MBAS	mg/l	APHA,24th Ed. : 2023, 5540 A+C	BDL	BDL	1.0
20.	Selenium as Se	mg/l	APHA,24th Ed. : 2023, 3500 Se A+C	BDL	BDL	0.05
21.	Cyanide as CN	mg/l	APHA,24th Ed. : 2023, 4500,CN A+D	BDL	BDL	0.05
22.	Lead as Pb	mg/l	APHA,24th Ed. : 2023, 3111 A+B	BDL	BDL	0.1
23.	Cadmium as Cd		APHA,24th Ed. : 2023, 3111 A+B	BDL	BDL	0.01
24.	Total coliform	MPN /100 ml	APHA,24th Ed. : 2023, 9221 A+B	90.0	90.0	5000

Statement of Conformity: The above tested parameters confirm as per IS-2296 Class-C limits for above tested parameters and the results are related to the sample tested.

Note: - BDL- Below Detection Limit.

Verified by


Technical Manager

Authorized By



Quality Manager



NAME OF THE PLANT: SAGAR CEMENT

MONTH: MARCH 2026

DESCRIPTION OF WORK: FUGITIVE EMISSION



ECOMEN MINING PVT. LTD.

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME& ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA/012/669/03/2026
		Issue Date of Test Report	02.04.2026
Type of Sample	Suspended Particulate Matter		
Sample Registration No.	012	Name of Location	Near Cement Mill Area
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	12.03.2026 - 13.03.2026	Time of Sample Collection	-
Start Date of Analysis	14.03.2026	End Date of Analysis	15.03.2026
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ±2 °C	Sample ID Code	ECO/LAB/669/03/2026
	Humidity: 62%		
Parameters		Suspended Particulate Matter (SPM) µg/m ³	
PROTOCOL		IS:5182(Part-4)	
Limits of Detection		5-1000	
Limit as per National Ambient Air Quality Standards		-	
Sl. No.	Sampling Date	Results	
1.	11.03.2026	502.1	

Note- Stander As per the CTO Norms of the plant.

Verified by


 Technical Manager

Authorized By


 Quality Manager

TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME& ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA/012/670/03/2026
		Issue Date of Test Report	02.01.2026
Type of Sample	Suspended Particulate Matter		
Sample Registration No.	012	Name of Location	Near by RMH
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	12.03.2026 - 13.03.2026	Time of Sample Collection	-
Start Date of Analysis	14.03.2026	End Date of Analysis	15.03.2025
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ±2 °C	Sample ID Code	ECO/LAB/670/03/2026
	Humidity: 62%		

Parameters		Suspended Particulate Matter (SPM) µg/m ³
PROTOCOL		IS:5182(Part-4)
Limits of Detection		5-1000
Limit as per National Ambient Air Quality Standards		-
Sl. No.	Sampling Date	Results
1.	11.03.2026	442.6

Note- Stander As per the CTO Norms of the plant.

Verified by

[Signature]
 Technical Manager

Authorized By

[Signature]
 Quality Manager



TEST REPORT

FORMAT NO. ECO/QS/FORMAT/10

NAME& ADDRESS OF CUSTOMER:	M/S Sagar Cement Limited, Kalinga Nagar industrial complex, Danagadi, Jajpur, Odisha.	Test Report No.	ECOLAB/AA/012/671/03/2026
		Issue Date of Test Report	02.01.2026
Type of Sample	Suspended Particulate Matter		
Sample Registration No.	012	Name of Location	Near by flyash handling parking plant
Sampling Method	As per Reference Method	Sample Collected By	Ecomen Mining Team
Date of Sample Collection	12.03.2026 - 13.03.2026	Time of Sample Collection	-
Start Date of Analysis	14.03.2026	End Date of Analysis	15.03.2025
Weather Condition	Sunny	Sampling Duration	24 Hrs.
Laboratory Environmental Condition	Temperature: 25 ±2 °C	Sample ID Code	ECO/LAB/671/03/2026
	Humidity: 62%		

Parameters	Suspended Particulate Matter (SPM) µg/m³	
PROTOCOL	IS:5182(Part-4)	
Limits of Detection	5-1000	
Limit as per National Ambient Air Quality Standards	-	
Sl. No.	Sampling Date	Results
1.	11.03.2026	472.5

Note- Stander As per the CTO Norms of the plant.

Verified by

Technical Manager

Authorized By

Quality Manager



NAME OF THE PLANT:

SAGAR CEMENT

MONTH:

MARCH 2026

DESCRIPTION OF WORK:

AMBIENT AIR IN LEASE ZONE

12 PARAMETERS



ECOMEN MINING PVT. LTD.

Format No: ECO/QS/FORMAT/10

Test Report No: ECO/SC/AAQ/05

Test Report Issue date: 02.04.2026

AMBIENT AIR QUALITY MONITORING 12 PARAMETERS REPORT FOR MARCH

1. Name of Industry : **M/s SAGAR CEMENT LIMITED,
KALINGA NAGAR INDUSTRIAL COMPLEX,
DANAGADI, JAJPUR, ODISHA.**
2. Monitoring Instruments : RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Analyzer (NDIR)
3. Sampling Location : **AAQMS-1: NEAR PLANT MAIN GATE AREA**
4. Sample collected by : Ecomen Mining Team.
5. Date of Sampling : 04.03.2026

S. No.	TEST PARAMETERS	PROTOCOL	DETECTION RANGE	RESULTS	Limit as per National Ambient Air Quality Standards
1.	Particulate Matter(PM10) µg/m ³	IS:5182(Part-23)	10-1000	59.0	100
2.	Particulate Matter (PM2.5) µg/m ³	IS:5182(Part-24)	10-1000	24.2	60
3.	Suphur Di-oxide(SO ₂) µg/m ³	IS:5182(Part-2)	5-200	13.1	80
4.	Nitrogen Oxides(NO ₂) µg/m ³	IS:5182(Part-6)	5-200	17.9	80
5.	Carbon mono-oxides as CO mg/m ³	IS:5182(Part-10)	0.1-100	0.50	04
6.	Ammonia (NH ₃)µg/m ³	IS 5182:Part 25:2018	2-700	16.12	400
7.	Ozone (O ₃) µg/m ³	IS 5182:Part 9:2019	2-200	12.35	180
8.	Lead (Pb) µg/m ³	IS 5182:Part 22:2019	1-100	<1.0	1.0
9.	Arsenic (As) ng/m ³	Lab SOP No.26	1-100	<1.0	06
10.	Nickel (Ni) ng/m ³	IS 5182:Part26:2020	1-100	<1.0	20
11.	Benzene as C ₆ H ₆ ng/m ³	IS 5182:Part11:2020	1-50	<1.0	5
12.	Benzo (a) Pyrene as BaP ng/m ³	IS 5182:Part11:2020	1-20	<1.0	1

Verified by

 Technical Manager

Authorized By

 Quality Manager

Format No: ECO/QS/FORMAT/10

Test Report No: ECO/SC/AAQ/06

Test Report Issue date: 02.04.2026

AMBIENT AIR QUALITY MONITORING 12 PARAMETERS REPORT FOR MARCH

1. Name of Industry : **M/s SAGAR CEMENT LIMITED,
KALINGA NAGAR INDUSTRIAL COMPLEX,
DANAGADI, JAJPUR, ODISHA.**
2. Monitoring Instruments : RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Analyzer (NDIR)
3. Sampling Location : **AAQMS-2: NEAR CEMENT MILL AREA**
4. Sample collected by : Ecomen Mining Team.
5. Date of Sampling : 12.03.2026

S. No.	TEST PARAMETERS	PROTOCOL	DETECTION RANGE	RESULTS	Limit as per National Ambient Air Quality Standards
1.	Particulate Matter(PM10) µg/m ³	IS:5182(Part-23)	10-1000	62.4	100
2.	Particulate Matter (PM2.5) µg/m ³	IS:5182(Part-24)	10-1000	25.6	60
3.	Suphur Di-oxide(SO ₂) µg/m ³	IS:5182(Part-2)	5-200	12.8	80
4.	Nitrogen Oxides(NO ₂) µg/m ³	IS:5182(Part-6)	5-200	17.3	80
5.	Carbon mono-oxides as CO mg/m ³	IS:5182(Part-10)	0.1-100	0.52	04
6.	Ammonia (NH ₃)µg/m ³	IS 5182:Part 25:2018	2-700	19.49	400
7.	Ozone (O ₃) µg/m ³	IS 5182:Part 9:2019	2-200	15.7	180
8.	Lead (Pb) µg/m ³	IS 5182:Part 22:2019	1-100	<1.0	1.0
9.	Arsenic (As) ng/m ³	Lab SOP No.26	1-100	<1.0	06
10.	Nickel (Ni) ng/m ³	IS 5182:Part26:2020	1-100	<1.0	20
11.	Benzene as C ₆ H ₆ ng/m ³	IS 5182:Part11:2020	1-50	<1.0	5
12.	Benzo (a) Pyrene as BaP ng/m ³	IS 5182:Part11:2020	1-20	<1.0	1

Verified by


Technical Manager

Authorized By


Quality Manager

Format No: ECO/QS/FORMAT/10

Test Report No: ECO/SC/AAQ/07

Test Report Issue date: 02.04.2026

AMBIENT AIR QUALITY MONITORING 12 PARAMETERS REPORT FOR MARCH

1. Name of Industry : **M/s SAGAR CEMENT LIMITED,
KALINGA NAGAR INDUSTRIAL COMPLEX,
DANAGADI, JAJPUR, ODISHA.**
2. Monitoring Instruments : RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Analyzer (NDIR)
3. Sampling Location : **AAQMS-3: NEAR HOPPER BUILDING AREA**
4. Sample collected by : Ecomen Mining Team.
5. Date of Sampling : 17.03.2026

S. No.	TEST PARAMETERS	PROTOCOL	DETECTION RANGE	RESULTS	Limit as per National Ambient Air Quality Standards
1.	Particulate Matter(PM10) µg/m ³	IS:5182(Part-23)	10-1000	55.6	100
2.	Particulate Matter (PM2.5) µg/m ³	IS:5182(Part-24)	10-1000	21.5	60
3.	Suphur Di-oxide(SO ₂) µg/m ³	IS:5182(Part-2)	5-200	12.3	80
4.	Nitrogen Oxides(NO ₂) µg/m ³	IS:5182(Part-6)	5-200	15.2	80
5.	Carbon mono-oxides as CO mg/m ³	IS:5182(Part-10)	0.1-100	0.49	04
6.	Ammonia (NH ₃)µg/m ³	IS 5182:Part 25:2018	2-700	16.36	400
7.	Ozone (O ₃) µg/m ³	IS 5182:Part 9:2019	2-200	12.34	180
8.	Lead (Pb) µg/m ³	IS 5182:Part 22:2019	1-100	<1.0	1.0
9.	Arsenic (As) ng/m ³	Lab SOP No.26	1-100	<1.0	06
10.	Nickel (Ni) ng/m ³	IS 5182:Part26:2020	1-100	<1.0	20
11.	Benzene as C ₆ H ₆ ng/m ³	IS 5182:Part11:2020	1-50	<1.0	5
12.	Benzo (a) Pyrene as BaP ng/m ³	IS 5182:Part11:2020	1-20	<1.0	1

Verified by


Technical Manager

Authorized By


Quality Manager

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Test Report Issue date: 02.04.2026

AMBIENT AIR QUALITY MONITORING 12 PARAMETERS REPORT FOR MARCH

1. Name of Industry : **M/s SAGAR CEMENT LIMITED,
KALINGA NAGAR INDUSTRIAL COMPLEX,
DANAGADI, JAJPUR, ODISHA.**
2. Monitoring Instruments : RDS (APM 460 BL), FPS (APM 550) Envirotech, CO Analyzer (NDIR)
3. Sampling Location : **AAQMS-4: NEAR TRUCK TIPPLER AREA**
4. Sample collected by : Ecomen Mining Team.
5. Date of Sampling : 26.03.2026

S.No.	TEST PARAMETERS	PROTOCOL	DETECTION RANGE	RESULTS	Limit as per National Ambient Air Quality Standards
1.	Particulate Matter(PM10) µg/m ³	IS:5182(Part-23)	10-1000	47.6	100
2.	Particulate Matter (PM2.5) µg/m ³	IS:5182(Part-24)	10-1000	21.3	60
3.	Suphur Di-oxide(SO ₂) µg/m ³	IS:5182(Part-2)	5-200	12.7	80
4.	Nitrogen Oxides(NO ₂) µg/m ³	IS:5182(Part-6)	5-200	15.8	80
5.	Carbon mono-oxides as CO mg/m ³	IS:5182(Part-10)	0.1-100	0.47	04
6.	Ammonia (NH ₃)µg/m ³	IS 5182:Part 25:2018	2-700	15.72	400
7.	Ozone (O ₃) µg/m ³	IS 5182:Part 9:2019	2-200	13.35	180
8.	Lead (Pb) µg/m ³	IS 5182:Part 22:2019	1-100	<1.0	1.0
9.	Arsenic (As) ng/m ³	Lab SOP No.26	1-100	<1.0	06
10.	Nickel (Ni) ng/m ³	IS 5182:Part26:2020	1-100	<1.0	20
11.	Benzene as C ₆ H ₆ ng/m ³	IS 5182:Part11:2020	1-50	<1.0	5
12.	Benzo (a) Pyrene as BaP ng/m ³	IS 5182:Part11:2020	1-20	<1.0	1

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