

SAGAR CEMENTS LIMITED

SCL/MTPL/ENV/2026-27/062

Date: 10.09.2026

To
The Environmental Engineer,
TGPCB, 8-15, I Floor,
Sri Laxmi Complex,
Sri Vinayaka Nagar, Hyderabad Road,
NALGONDA-508 001.

Dear Sir,

Sub: Submission of Environmental monitoring report - Reg.
Ref: TSPCB/220823352392/RO-NLO/HO/CFO /2023-957, dated:
09.10.2023

We are herewith submitting the AAQ monitoring report, Stack emission monitoring report, Noise report, fugitive emission report, STP, WHRB and CPP water analysis reports tested by NABL approved third party laboratory for the month of August - 2026 are enclosed.

Please acknowledge receipt of the same.

Thank you

Yours Sincerely,
For M/s. SAGAR CEMENTS LIMITED,


(U. V. Raju)
Sr. Vice President (Works)



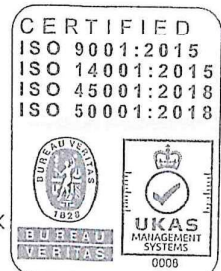
Enclosure: Environmental Monitoring report

Registered Office :

Plot No. 111, Road No. 10, Jubilee Hills, Hyderabad - 500033, Telangana State, India. Phone : +91 40 23351571, 23351572
E-mail : info@sagarcements.in Website : www.sagarcements.in CIN : L26942TG1981PLC002887 GSTIN : 36AACC8680H2ZY

Factories :

- 1) Mattampally Village & Mandal, Suryapet District, Telangana State - 508204. Phone : 08683 247039 GSTIN : 36AACC8680H1ZZ
- 2) Bayyavaram Village, Kasimkota Mandal, Anakapally District, Andhra Pradesh State - 531031. Phone : 08924 244550
GSTIN : 37AACC8680H1ZX
- 3) Gudipadu Village, Yadili Mandal, Ananthapur District, Andhra Pradesh State - 515408. Phone: 08558 200272 GSTIN : 37AACC8680H1ZX
- 4) Kalinganagar, Industrial Complex, Tahsil-Dangadi, Dist - Jaipur, Odisha State. Phone : 08340 882288 GSTIN : 21AACC8680H1ZA





LAWN ENVIRO PRIVATE LIMITED

[Environmental Engineers & Consultants in Pollution Control]

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ISO 9001, 14001 & 45001
Certified Company

TEST REPORT

REF.NO: LAWN/SCL-P/001/2026

Report Date: 02-9-2026

AMBIENT AIR QUALITY DATA

Name of the Industry & Address	: M/s. SAGAR CEMENTS LIMITED, Mattampally (Post & Mandal), Suryapet (Dist) - 508 204.			
Location	: Mattampally Village	Pedaveedu Village	LIMIT	PROTOCOL/METHOD
1. Date of sampling	: 24-8-2026	24-8-2026	---	---
2. Date of Analysis	: 26-8-2026	26-8-2026	---	---
3. Total time of monitoring	: 24 hr	24 hr	---	---
4. Average flow rate (cum/min)	: 1.15	1.06	---	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	: 55.84	58.76	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5}	: 23.72	26.32	60	IS:5182 (Part-24); 2019 Gravimetric Method
7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 11.50	8.40	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 24.20	19.50	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m ³):	0.022	0.018	2	IS:5182 (Part-10); 2019 CO Analyzer Method


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2461-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2463-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-F-731), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-J-751), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027

Corporate Office : "LAWN HOUSE", #184-C, Vengalrao Nagar, Hyderabad-500038. (T.S.) INDIA. Phone: 66730925, 66730926, Fax: 040-66730926
Branch Office : H.NO: 31-43-4/1, LIG-57, 2nd Floor, Vuda Phase-2, Dwarakapuri Colony, Kurmannapalem, Visakhapatnam-530046. A.P., Mobile : 9701505182.
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TEST REPORT

REF.NO: LAWN/SCL-P/002/2026

Report Date: 02-9-2026

AMBIENT AIR QUALITY DATA

Name of the Industry & Address	: M/s. SAGAR CEMENTS LIMITED, Mattampally (Post & Mandal), Suryapet (Dist) - 508 204.			
Location	: Gullapally Village	Ramachandrapuram Village	LIMIT	PROTOCOL/METHOD
1. Date of sampling	: 24-8-2026	24-8-2026	---	---
2. Date of Analysis	: 26-8-2026	26-8-2026	---	---
3. Total time of monitoring	: 24 hr	24 hr	---	---
4. Average flow rate (cum/min)	: 1.04	1.10	---	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	: 47.46	53.59	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5}	: 20.32	24.86	60	IS:5182 (Part-24); 2019 Gravimetric Method
7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 6.30	9.30	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 15.70	21.40	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m ³):	0.012	0.014	2	IS:5182 (Part-10); 2019 CO Analyzer Method

AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2161-DTH-2011), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. RESPIRABLE DUST SAMPLER MODEL / APS 113 BL; (SL. NO. 105-C-2017), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-J-750), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 16-I-623), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027

Corporate Office : "LAWN HOUSE", #184-C, Vengalrao Nagar, Hyderabad-500038. (T.S.) INDIA. Phone: 66730925, 66730926, Fax: 040-66730926
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Email: lawnenviro@yahoo.co.in, info@lawnenviro.in, URL : www.lawnenviro.in



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TEST REPORT

REF.NO: LAWN/SCL-P/003/2026

Report Date: 02-9-2026

AMBIENT AIR QUALITY DATA

Name of the Industry & Address	: M/s. SAGAR CEMENTS LIMITED, Mattampally (Post & Mandal), Suryapet (Dist) - 508 204.		
Location	: Plant Main gate	LIMIT	PROTOCOL/METHOD
1. Date of sampling	: 24-8-2026	---	---
2. Date of Analysis	: 26-8-2026	---	---
3. Total time of monitoring	: 24 hr	---	---
4. Average flow rate (cum/min)	: 1.04	---	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	: 68.14	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5}	: 28.35	60	IS:5182 (Part-24); 2019 Gravimetric Method
7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 10.90	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	: 22.50	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m ³)	: 0.035	2	IS:5182 (Part-10); 2019 CO Analyzer Method


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2465-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027

1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; AAQM 510;(S.NO. 220828), CALIBRATED ON 28-08-2025,DUE ON 27-08-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/004/2026

Report Date: 02-9-2026

FUGITIVE EMISSION DATA

Name of the Industry & : **M/s. SAGAR CEMENTS LIMITED,**
Address Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

PROTOCOL : IS-5182 (Part-4)

S.No.	Location	Date of Sampling	Date of Analysis	SPM ($\mu\text{g}/\text{m}^3$)	LIMIT
1	Cement Mill	25-8-2026	26-8-2026	814	2000 ($\mu\text{g}/\text{m}^3$)
2	VRM	25-8-2026	26-8-2026	935	
3	Packing Plant	25-8-2026	26-8-2026	1,038	
4	Crusher	25-8-2026	26-8-2026	876	
5	Lime Stone Stacker Reclaimer	25-8-2026	26-8-2026	977	
6	Coal Mill	23-8-2026	26-8-2026	1,160	
7	Raw Mill Area	23-8-2026	26-8-2026	748	
8	Truck Parking Area	23-8-2026	26-8-2026	710	
9	Coal Mill - 2	23-8-2026	26-8-2026	1,112	
10	Iron Ore Yard	23-8-2026	26-8-2026	948	


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APS 113 BL; (SL. NO.105-C-2017), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2161-DTH-2011), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
3. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2465-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
4. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2463-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
5. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2461-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027



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REF.NO: LAWN/SCL-P/005/2026

Report Date: 02-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : Stack attached to the Cement Mill - 2
Date of Sampling : 25-8-2026
Date of Analysis : 26-8-2026

PROTOCOL

1. Stack diameter (m)	: 0.90	--
2. Stack cross sectional area (sq m)	: 0.636	--
3. Ambient temperature (°C)	: 39	--
4. Flue gas temperature (°C)	: 78	IS-11255 (Part-3); 2018
5. Exit velocity of flue gases (m/sec)	: 8.82	IS-11255 (Part-3); 2018
6. Flow rate (m ³ /hr)	: 20,194	IS-11255 (Part-3); 2018
7. Flow rate (N m ³ /hr)	: 16,801	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

8. Particulate matter Concentration (mg/N m ³)	: 15.40	30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 30-12-2023, Due On 29-12-2024



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TEST REPORT

REF.NO: LAWN/SCL-P/006/2026

Report Date: 02-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : Stack attached to the Cement Mill - 3
Date of Sampling : 24-8-2026
Date of Analysis : 26-8-2026

PROTOCOL

1. Stack diameter (m)	:	1.40	--
2. Stack cross sectional area (sq m)	:	1.54	--
3. Ambient temperature (°C)	:	34	--
4. Flue gas temperature (°C)	:	79	IS-11255 (Part-3); 2018
5. Exit velocity of flue gases (m/sec)	:	7.46	IS-11255 (Part-3); 2018
6. Flow rate (m ³ /hr)	:	41,358	IS-11255 (Part-3); 2018
7. Flow rate (N m ³ /hr)	:	34,493	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

8. Particulate matter Concentration (mg/N m ³)	:	16.82	30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027



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TEST REPORT

REF.NO: LAWN/SCL-P/007/2026

Report Date: 02-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : Stack attached to the Cement Mill-4
Date of Sampling : 24-8-2026
Date of Analysis : 26-8-2026

PROTOCOL

1. Stack diameter (m)	:	1.40	--
2. Stack cross sectional area (sq m)	:	1.54	--
3. Ambient temperature (°C)	:	36	--
4. Flue gas temperature (°C)	:	87	IS-11255 (Part-3); 2018
5. Exit velocity of flue gases (m/sec)	:	9.12	IS-11255 (Part-3); 2018
6. Flow rate (m ³ /hr)	:	50,561	IS-11255 (Part-3); 2018
7. Flow rate (N m ³ /hr)	:	41,056	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

8. Particulate matter Concentration (mg/N m ³)	:	15.20	30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027



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TEST REPORT

REF.NO: LAWN/SCL-P/008/2026

Report Date: 02-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : Stack attached to the Packing Plant - 1
Date of Sampling : 24-8-2026
Date of Analysis : 26-8-2026

PROTOCOL

1. Stack diameter (m)	: 1.275	--
2. Stack cross sectional area (sq m)	: 1.277	--
3. Ambient temperature (°C)	: 33	--
4. Flue gas temperature (°C)	: 40	IS-11255 (Part-3); 2018
5. Exit velocity of flue gases (m/sec)	: 9.81	IS-11255 (Part-3); 2018
6. Flow rate (m ³ /hr)	: 45,099	IS-11255 (Part-3); 2018
7. Flow rate (N m ³ /hr)	: 42,168	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

8. Particulate matter Concentration (mg/N m ³)	: 17.47	30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027



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TEST REPORT



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REF.NO: LAWN/SCL-P/009/2026

Report Date: 02-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : Stack attached to the Packing Plant - 2
Date of Sampling : 24-8-2026
Date of Analysis : 26-8-2026

PROTOCOL

1. Stack diameter (m)	:	1.275	--
2. Stack cross sectional area (sq m)	:	1.277	--
3. Ambient temperature (°C)	:	37	--
4. Flue gas temperature (°C)	:	43	IS-11255 (Part-3); 2018
5. Exit velocity of flue gases (m/sec)	:	11.60	IS-11255 (Part-3); 2018
6. Flow rate (m ³ /hr)	:	53,328	IS-11255 (Part-3); 2018
7. Flow rate (N m ³ /hr)	:	49,435	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

8. Particulate matter Concentration (mg/N m ³)	:	23.40	30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027



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TEST REPORT



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REF.NO: LAWN/SCL-P/010/2026

Report Date: 02-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : Stack attached to the Packing Plant - 3
Date of Sampling : 24-8-2026
Date of Analysis : 26-8-2026

PROTOCOL

1. Stack diameter (m)	:	1.275	--
2. Stack cross sectional area (sq m)	:	1.277	--
3. Ambient temperature (°C)	:	35	--
4. Flue gas temperature (°C)	:	42	IS-11255 (Part-3); 2018
5. Exit velocity of flue gases (m/sec)	:	10.95	IS-11255 (Part-3); 2018
6. Flow rate (m ³ /hr)	:	50,339	IS-11255 (Part-3); 2018
7. Flow rate (N m ³ /hr)	:	46,815	IS-11255 (Part-3); 2018

EMISSION DATA

LIMIT

8. Particulate matter Concentration (mg/N m ³)	:	20.45	30	IS-11255 (Part-1); 2019
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AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 05-01-2026, Due On 04-01-2027



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TEST REPORT



ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/SCL-P/011/2026

Report Date: 02-9-2026

WASTE WATER ANALYSIS

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Date of Collection : 25-8-2026
Date of Analysis : 26-8-2026
PROTOCOL : **IS - 3025**

	S.T.P. Inlet	S.T.P. Outlet	S.T.P Outlet LIMIT
1. Colour (Hazen)	3.0	<1.0	--
2. Odour	Objectionable	UnObjectionable	--
3. pH	7.32	7.81	6.5 - 8.5
4. Total Dissolved Solids	1,614	1,460	2,100
5. Total Suspended Solids	74	15	100
6. Chemical oxygen demand	205	47	250
7. Biochemical oxygen demand (3 days at 27 °C)	74	12	100
8. Oil & Grease	2.10	<1.0	10

Note: All the values except pH are expressed in mg/L.


AUTHORISED SIGNATORY



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ISO 9001, 14001 & 45001
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REF.NO: LAWN/SCL-P/012/2026

Report Date: 02-9-2026

WASTE WATER QUALITY ANALYSIS

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : Vehicle Wash Waste Water
Date of Collection : 25-8-2026
Date of Analysis : 26-8-2026
PROTOCOL : A.P.H.A. 24th Edition, 2017 & IS 3025

Limits as per GSR 422E

1. pH	:	7.31	6.50-8.50
2. Color (Hazen units)	:	<1.0	---
3. Odour	:	Disagreeable	---
4. Total Suspended solids	:	46	100
5. Oil & Grease	:	1.40	10
6. Free Ammonia as NH ₃	:	2.40	5.0
7. Total Residual Chlorine	:	<0.50	1.0
8. Biochemical oxygen demand (3 days at 27 °C)	:	20	30
9. Chemical oxygen demand	:	187	250
10. Arsenic as As	:	<0.01	0.2
11. Mercury as Hg	:	<0.001	0.01
12. Lead as Pb	:	<0.001	0.10
13. Copper as Cu	:	0.15	1.0

Note: All the values except pH, Odour & Color are expressed in mg/L.


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TEST REPORT

REF.NO: LAWN/SCL-P/013/2026

Report Date: 02-9-2026

WATER ANALYSIS

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particular : Drinking Water (Canteen)
Date of Collection : 25-8-2026
Date of Analysis : 26-8-2026
PROTOCOL : A.P.H.A 24th Edition

As per IS:10500 - 2012			
		Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
1. Colour (Hazen)	:	<1.0	5 max
2. Turbidity (NTU)	:	<1.0	01 max
3. pH	:	7.69	6.50 - 8.50
4. Total hardness	as CaCO_3 :	134	200 max
5. Calcium	as Ca :	30.50	75 max
6. Magnesium	as Mg :	13.80	30 max
7. Copper	as Cu :	<0.01	0.05 max
8. Iron	as Fe :	<0.10	0.3 max
9. Manganese	as Mn :	<0.01	0.1 max
10. Chloride	as Cl :	78.20	250 max
11. Sulphate	as SO_4 :	23	200 max
12. Nitrates	as NO_3 :	5.75	45 max
13. Fluorides	as F :	<0.20	1.0 max
14. Phenol Compunds	as $\text{C}_6\text{H}_5\text{OH}$:	<0.001	0.001 max
15. Mercury	as Hg :	<0.001	0.001 max
16. Cadmium	as Cd :	<0.003	0.003 max
17. Selenium	as Se :	<0.01	0.01 max
18. Arsenic	as As :	<0.01	0.01 max

Contd....



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ISO 9001, 14001 & 45001
Certified Company

TEST REPORT

:2:

				As per IS:10500 - 2012	
				Requirement (Acceptable Limit)	Permissible Limit in the absence of alternate source
19. Cyanide	as CN	:	<0.01	0.05 max	No relaxation
20. Lead	as Pb	:	<0.01	0.01 max	No relaxation
21. Zinc	as Zn	:	<0.01	5.0 max	15 max
22. Anionic Detergents	as MBAS	:	Absent	0.2 max	1.0 max
23. Chromium	as Cr	:	<0.01	0.05 max	No relaxation
24. Polynuclear aromatic Hydrocarbons as PAH:			Absent	0.0001	NS
25. Mineral Oil		:	<0.10	0.5 max	No relaxation
26. Residual Chlorine		:	<0.20	0.2 min	01 min
27. Pesticides		:	Absent	Absent	No relaxation
28. Radio active		:	<0.001	0.1 max	No relaxation
29. Odour		:	Agreeable	Agreeable	Agreeable
30. Taste		:	Agreeable	Agreeable	Agreeable
31. Dissolved Solids		:	277	500 max	2000 max
32. Total alkalinity	as CaCO ₃	:	178	200 max	600 max
33. Aluminium	as Al	:	<0.01	0.3 max	0.2 max
34. Boron	as B	:	<0.10	0.5 max	1.0 max
35. E-Coli		:	Absent	Absent	Absent

Note : 1) All the values except pH & E.C. are expressed in mg/L.

2) NS – Not Specified

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TEST REPORT



ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/SCL-P/014/2026

Report Date: 02-9-2026

AMBIENT NOISE QUALITY DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Location		Levels in dB (A)	
		Day time	Night time
1. Near Main gate	:	63.10	58.40
2. Near Gullapally Village	:	42.90	32.60
3. Near Ramachandrapuram Village	:	48.50	38.30
4. Near Mattampally Village	:	49.70	39.40
5. Near Peddaveedu Village	:	51.30	41.70

- Note:**
- Noise levels are monitored on 25-8-2026.
 - Instrument make - Lutron, Module-SL-4030 (SI. No. Q708711), Calibrated On 14-07-2026, Due 13-07-2027.
 - Day time is reckoned in between 6.0 am and 10.0 pm; Limit <75.0 dB (A) – As per NAAQ
 - Night time is reckoned in between 10.0 pm and 6.0 am; Limit <70.0 dB (A) – As per NAAQ


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TEST REPORT



ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/SCL-P/015/2026

Report Date: 02-9-2026

WORK ZONE NOISE QUALITY DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Location	Levels in dB (A)		
	Max	Min	Avg.
1. Near Cement Mill - 1	75.40	70.20	72.80
2. Near Coal Mill - 3	78.10	73.50	75.80
3. Near VRM area	79.40	74.20	76.80
4. Near Kiln - 1	80.70	75.30	78.00
5. Near Kiln - II	82.60	78.60	80.60
6. Near WHR Boiler area	84.20	79.40	81.80
7. Near Cement Mill - 3	78.40	73.20	75.80
8. Near Packing Plant	76.60	71.20	73.90
9. Near AFR area	78.50	73.10	75.80
10. Near STP area	72.60	67.40	70.00
11. Near Limestone Reclaimer	71.30	66.30	68.80
12. Truck Parking Area	66.80	61.40	64.10
13. Captive Power Plant Boiler	82.40	77.60	80.00
14. Coal Handling Area (CPP)	75.10	70.30	72.70
15. Turbine Generator Area	79.80	74.80	77.30

- Note:** *I 1. Noise levels monitoring conducted on 25-8-2026.
2. Instrument make - Lutron, Module-SL-4030 (Sl. No. Q708711), Calibrated On 14-07-2026, Due 13-07-2027.
- *II The noise Pollution (Regulation and Control) Rules, 2000
Schedule, Rule 3(1) and 4(1), Section 7 - (IX) factories act - Limit <90 dB (A)

AUTHORIZED SIGNATORY



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Certified Company

TEST REPORT

REF.NO: LAWN/SCL-P/001/2026

Report Date: 02-9-2026

AMBIENT AIR QUALITY DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Location	CPP Entrance	LIMIT	PROTOCOL/METHOD
1. Date of sampling	22-8-2026	---	---
2. Date of Analysis	26-8-2026	---	---
3. Total time of monitoring	24 hr	---	---
4. Average flow rate (cum/min)	1.13	---	---
5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀	69.36	100	IS:5182 (Part-23); 2017 Gravimetric Method
6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5}	29.51	60	IS:5182 (Part-24); 2019 Gravimetric Method
7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	12.50	80	IS:5182 (Part-2); 2018 New West & Gaeke Method
8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$)	25.70	80	IS:5182 (Part-6); 2017 JACOB & Hochheiser Method
9. CO, Concentration (mg/m^3)	0.042	2	IS:5182 (Part-10); 2019 CO Analyzer Method

AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2463-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027

1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-J-751), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027



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TEST REPORT



ISO 9001, 14001 & 45001
Certified Company

REF.NO: LAWN/SCL-P/002/2026

Report Date: 02-9-2026

FUGITIVE EMISSION DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

PROTOCOL : IS-5182 (Part-4)

S.No.	Location	Date of Sampling	Date of Analysis	SPM ($\mu\text{g}/\text{m}^3$)	LIMIT
1	Captive Power Plant	22-8-2026	26-8-2026	1,332	2000 ($\mu\text{g}/\text{m}^3$)
2	Coal Yard	22-8-2026	26-8-2026	1,476	


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2461-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027
2. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2465-DTA-2019), CALIBRATED ON 05-01-2026, DUE ON 04-01-2027.



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TEST REPORT

REF.NO: LAWN/SCL-P/003/2026

Report Date: 02-9-2026

STACK MONITORING DATA

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particular : Stack attached to the **Captive Power Plant 18 MW**

PROTOCOL

1. Date of sampling	: 24-8-2026	--
2. Date of analysis	: 26-8-2026	--
3. Location	: Chimney	--
4. Stack diameter (m)	: 3.50	--
5. Stack cross sectional area (sq m)	: 9.62	--
6. Ambient temperature ($^{\circ}\text{C}$)	: 38	--
7. Flue gas temperature ($^{\circ}\text{C}$)	: 120	IS:11255 (Part-3); 2018
8. Exit velocity of flue gases (m/sec)	: 6.34	IS:11255 (Part-3); 2018
9. Flow rate (m^3/hr)	: 2,19,567	IS:11255 (Part-3); 2018
10. Flow rate ($\text{N m}^3/\text{hr}$)	: 1,63,577	IS:11255 (Part-3); 2018

EMISSION DATA

LIMITS

11. Particulate matter Concentration (mg/Nm^3)	: 21.52	30	IS:11255 (Part-1); 2019
12. Sulphur dioxide Concentration (mg/Nm^3)	: 41.50	100	IS:11255 (Part-2); 2019
13. Oxides of nitrogen Concentration (mg/Nm^3)	: 56.30	100	IS:11255 (Part-7); 2017
14. Mercury Concentration (mg/Nm^3)	: <0.01	0.03	--

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, CALIBRATED ON 05-01-2026, DUE ON 04-01-2027

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TEST REPORT

REF.NO: LAWN/SCL-P/004/2026

Report Date: 02-9-2026

WASTE WATER QUALITY ANALYSIS

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : Captive Power Plant - 18 MW Discharge Water
Date of Collection : 25-8-2026
Date of Analysis : 26-8-2026
PROTOCOL : A.P.H.A. 24th Edition, 2017 & IS: 3025

Limits as per GSR 422E

1. pH	:	7.41	6.50-8.50
2. Total dissolved solids	:	1,468	2100
3. Total Suspended solids (at 103-105 °C)	:	35	100
4. Chemical oxygen demand	:	81.90	250
5. Biochemical oxygen demand (3 days at 27 °C)	:	15.30	30
6. Chlorides as Cl	:	410	600
7. Sulphates as SO ₄	:	136	1000
8. Oil & Grease	:	<1.0	10
9. Dissolved Oxygen	:	0.86	NS
10. Free available chlorine as Cl ₂	:	<0.20	0.50
11. Copper as Cu	:	0.18	1.0
12. Iron as Fe	:	0.34	1.0
13. Phosphate as P	:	0.65	5.0
14. Zinc as Zn	:	<0.10	1.0
15. Chromium as Cr	:	<0.01	0.20

Note: 1. All the values except pH are expressed in mg/L.

2. NS – Not Specified.

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TEST REPORT

REF.NO: LAWN/SCL-P/005/2026

Report Date: 02-9-2026

WASTE WATER QUALITY ANALYSIS

Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : WHR Discharge water
Date of Collection : 25-8-2026
Date of Analysis : 26-8-2026
PROTOCOL : A.P.H.A. 24th Edition, 2017 & IS: 3025

Limits as per GSR 422E

1. pH	:	7.62	6.50-8.50
2. Total dissolved solids	:	1,136	2100
3. Total Suspended solids (at 103-105 °C)	:	43	100
4. Chemical oxygen demand	:	60.10	250
5. Biochemical oxygen demand (3 days at 27 °C)	:	<5.0	30
6. Chlorides as Cl	:	275.60	600
7. Sulphates as SO ₄	:	56.90	1000
8. Oil & Grease	:	<1.0	10
9. Dissolved Oxygen	:	0.80	NS
10. Free available chlorine as Cl ₂	:	<0.20	0.50
11. Copper as Cu	:	0.14	1.0
12. Iron as Fe	:	0.28	1.0
13. Phosphate as P	:	0.52	5.0
14. Zinc as Zn	:	<0.10	1.0
15. Chromium as Cr	:	<0.01	0.20

Note: 1. All the values except pH are expressed in mg/L

2. NS – Not Specified.


AUTHORISED SIGNATORY