

SAGAR CEMENTS LIMITED

SCL/MTPL/ENV/2025-26/088

Date: 13.12.2025

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-NLG/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 November - 2025 are enclosed.

Please acknowledge receipt of the same.

Thank you

Yours Sincerely,
For SAGAR CEMENTS LIMITED,

M.V. M.V. Ramana Murthy
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 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



LAWN ENVIRO PRIVATE LIMITED

[Environmental Engineers & Consultants in Pollution Control]

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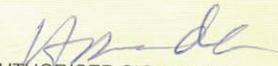
TEST REPORT

REF.NO: LAWN/SCL-P/001/2025

Report Date: 21-11-2025

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 | : 11-11-2025 | 11-11-2025 | --- | --- |
| 2. Date of Analysis | : 13-11-2025 | 13-11-2025 | --- | --- |
| 3. Total time of monitoring | : 24 hr | 24 hr | --- | --- |
| 4. Average flow rate (cum/min) | : 1.13 | 1.07 | --- | --- |
| 5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀ | : 53.80 | 58.72 | 100 | IS:5182 (Part-23); 2017 Gravimetric Method |
| 6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5} | : 19.50 | 23.10 | 60 | IS:5182 (Part-24); 2019 Gravimetric Method |
| 7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$) | : 6.20 | 11.70 | 80 | IS:5182 (Part-2); 2018 New West & Gaeke Method |
| 8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$) | : 15.90 | 21.50 | 80 | IS:5182 (Part-6); 2017 JACOB & Hochheiser Method |
| 9. CO, Concentration (mg/m^3): | 0.015 | 0.013 | 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 06-01-2025, DUE ON 05-01-2026
2. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2463-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-F-731), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
2. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-J-751), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026



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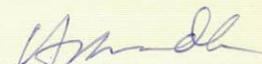
TEST REPORT

REF.NO: LAWN/SCL-P/002/2025

Report Date: 21-11-2025

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 | : 11-11-2025 | 11-11-2025 | -- | --- |
| 2. Date of Analysis | : 13-11-2025 | 13-11-2025 | -- | --- |
| 3. Total time of monitoring | : 24 hr | 24 hr | -- | --- |
| 4. Average flow rate (cum/min) | : 1.11 | 1.05 | -- | --- |
| 5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀ | : 48.32 | 50.86 | 100 | IS:5182 (Part-23); 2017 Gravimetric Method |
| 6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5} | : 17.60 | 20.76 | 60 | IS:5182 (Part-24); 2019 Gravimetric Method |
| 7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$) | : 7.60 | 9.80 | 80 | IS:5182 (Part-2); 2018 New West & Gaeke Method |
| 8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$) | : 18.50 | 20.70 | 80 | IS:5182 (Part-6); 2017 JACOB & Hochheiser Method |
| 9. CO, Concentration (mg/m ³): | 0.011 | 0.010 | 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 06-01-2025, DUE ON 05-01-2026
2. RESPIRABLE DUST SAMPLER MODEL / APS 113 BL; (SL. NO. 105-C-2017), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-J-750), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
2. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 16-I-623), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026



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TEST REPORT

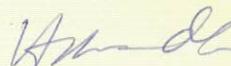
REF.NO: LAWN/SCL-P/003/2025

Report Date: 21-11-2025

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 | 11-11-2025 | -- | --- |
| 2. Date of Analysis | 13-11-2025 | -- | --- |
| 3. Total time of monitoring | 24 hr | -- | --- |
| 4. Average flow rate (cum/min) | 1.14 | -- | --- |
| 5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀ | 62.87 | 100 | IS:5182 (Part-23); 2017 Gravimetric Method |
| 6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5} | 24.93 | 60 | IS:5182 (Part-24); 2019 Gravimetric Method |
| 7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$) | 12.30 | 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) | 0.040 | 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 06-01-2025, DUE ON 05-01-2026

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/004/2025

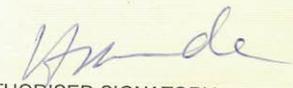
Report Date: 21-11-2025

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 | Cement Mill | 10-11-2025 | 13-11-2025 | 886 | 2000 ($\mu\text{g}/\text{m}^3$) |
| 2 | VRM | 10-11-2025 | 13-11-2025 | 1,082 | |
| 3 | Packing Plant | 10-11-2025 | 13-11-2025 | 1,375 | |
| 4 | Crusher | 10-1-2025 | 13-11-2025 | 1,422 | |
| 5 | Lime Stone Stacker Reclaimer | 10-11-2025 | 13-11-2025 | 996 | |
| 6 | Coal Mill | 12-11-2025 | 13-11-2025 | 1,324 | |
| 7 | Raw Mill Area | 12-11-2025 | 13-11-2025 | 1,190 | |
| 8 | Truck Parking Area | 12-11-2025 | 13-11-2025 | 984 | |
| 9 | Coal Mill - 2 | 12-11-2025 | 13-11-2025 | 1,102 | |
| 10 | Iron Ore Yard | 12-11-2025 | 13-11-2025 | 889 | |


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APS 113 BL; (SL. NO.105-C-2017), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
2. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2161-DTH-2011), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
3. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2465-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
4. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2463-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
5. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2461-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026

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.

Email: lawnenviro@yahoo.co.in, info@lawnenviro.in, URL : www.lawnenviro.in



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TEST REPORT

REF.NO: LAWN/SCL-P/005/2025

Report Date: 21-11-2025

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 RABH (Kiln – 2 VRM)
Date of Sampling : 11-11-2025
Date of Analysis : 13-11-2025

PROTOCOL

| | | |
|--|------------|----------------------------|
| 1. Stack diameter (m) | : 5.0 | -- |
| 2. Stack cross sectional area (sq m) | : 19.63 | -- |
| 3. Ambient temperature (°C) | : 38 | -- |
| 4. Flue gas temperature (°C) | : 132 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 11.05 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 7,80,881 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 5,64,577 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMITS

| | | | |
|--|---------|-----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 14.20 | 30 | IS-11255 (Part-1); 2019 |
| 9. Sulphur dioxide Concentration (mg/N m ³) | : 3.50 | 100 | IS-11255 (Part-2); 2019 |
| 10. Nitrogen dioxide (No ₂) Concentration (mg/N m ³) | : 341 | 800 | IS-11255 (Part-7); 2017 |


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/006/2025

Report Date: 21-11-2025

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 Limestone Crusher
Date of Sampling : 11-11-2025
Date of Analysis : 13-11-2025

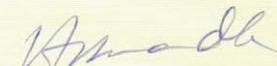
PROTOCOL

| | | |
|--|----------|----------------------------|
| 1. Stack diameter (m) | : 1.40 | -- |
| 2. Stack cross sectional area (sq m) | : 1.54 | -- |
| 3. Ambient temperature (°C) | : 32 | -- |
| 4. Flue gas temperature (°C) | : 42 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 10.89 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 60,374 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 56,208 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 18.20 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/007/2025

Report Date: 21-11-2025

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 Coal Mill - 1
Date of Sampling : 11-11-2025
Date of Analysis : 13-11-2025

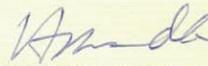
PROTOCOL

| | | |
|--|----------|----------------------------|
| 1. Stack diameter (m) | : 0.80 | -- |
| 2. Stack cross sectional area (sq m) | : 0.502 | -- |
| 3. Ambient temperature (°C) | : 34 | -- |
| 4. Flue gas temperature (°C) | : 74 | 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) | : 15,940 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 13,453 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Suspended particulate matter Concentration (mg/N m ³) | : 21.50 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026

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TEST REPORT

REF.NO: LAWN/SCL-P/008/2025

Report Date: 21-11-2025

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 Coal Mill - 2
Date of Sampling : 12-11-2025
Date of Analysis : 13-11-2025

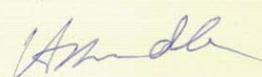
PROTOCOL

| | | |
|--|----------|----------------------------|
| 1. Stack diameter (m) | : 1.20 | -- |
| 2. Stack cross sectional area (sq m) | : 1.13 | -- |
| 3. Ambient temperature (°C) | : 34 | -- |
| 4. Flue gas temperature (°C) | : 79 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 11.46 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 46,619 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 38,787 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 19.30 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/009/2025

Report Date: 21-11-2025

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 Coal Mill - 3
Date of Sampling : 12-11-2025
Date of Analysis : 13-11-2025

PROTOCOL

| | | |
|--|----------|----------------------------|
| 1. Stack diameter (m) | : 1.50 | -- |
| 2. Stack cross sectional area (sq m) | : 1.76 | -- |
| 3. Ambient temperature (°C) | : 33 | -- |
| 4. Flue gas temperature (°C) | : 80 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 12.32 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 78,060 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 64,712 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 17.60 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/Sl. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/010/2025

Report Date: 21-11-2025

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 Kiln – 1 Cooler ESP
Date of Sampling : 11-11-2025
Date of Analysis : 13-11-2025

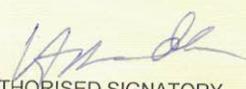
PROTOCOL

| | | |
|--|------------|----------------------------|
| 1. Stack diameter (m) | : 2.25 | -- |
| 2. Stack cross sectional area (sq m) | : 3.97 | -- |
| 3. Ambient temperature (°C) | : 38 | -- |
| 4. Flue gas temperature (°C) | : 219 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 13.42 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 1,91,799 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 1,14,120 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 17.40 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/011/2025

Report Date: 21-11-2025

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 Klin-2 Cooler ESP
Date of Sampling : 11-11-2025
Date of Analysis : 13-11-2025

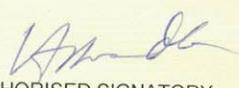
PROTOCOL

| | | |
|--|------------|----------------------------|
| 1. Stack diameter (m) | : 3.80 | -- |
| 2. Stack cross sectional area (sq m) | : 11.34 | -- |
| 3. Ambient temperature (°C) | : 37 | -- |
| 4. Flue gas temperature (°C) | : 130 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 6.52 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 2,66,172 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 1,93,773 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 13.72 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/012/2025

Report Date: 21-11-2025

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 : 12-11-2025
Date of Analysis : 13-11-2025

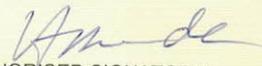
PROTOCOL

| | | |
|--|----------|----------------------------|
| 1. Stack diameter (m) | : 0.90 | -- |
| 2. Stack cross sectional area (sq m) | : 0.636 | -- |
| 3. Ambient temperature (°C) | : 31 | -- |
| 4. Flue gas temperature (°C) | : 87 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 9.75 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 22,324 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 18,172 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 14.90 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/013/2025

Report Date: 21-11-2025

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 : 11-11-2025
Date of Analysis : 13-11-2025

PROTOCOL

| | | |
|--|----------|----------------------------|
| 1. Stack diameter (m) | : 1.40 | -- |
| 2. Stack cross sectional area (sq m) | : 1.54 | -- |
| 3. Ambient temperature (°C) | : 33 | -- |
| 4. Flue gas temperature (°C) | : 75 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 10.05 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 55,717 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 46,914 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 11.70 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/014/2025

Report Date: 21-11-2025

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 : 12-11-2025
Date of Analysis : 13-11-2025

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) | : 81 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 8.75 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 48,510 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 40,215 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 14.05 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026

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Branch Office : H.NO: 31-43-4/1, LIG-57, 2nd Floor, Vuda Phase-2, Dwarakapuri Colony, Kurmannapalem, Visakhapatnam-530046. A.P., Mobile : 9701505182.

Email: lawnenviro@yahoo.co.in, info@lawnenviro.in, URL : www.lawnenviro.in



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TEST REPORT

REF.NO: LAWN/SCL-P/015/2025

Report Date: 21-11-2025

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 : 12-11-2025
Date of Analysis : 13-11-2025

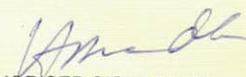
PROTOCOL

| | | |
|--|----------|----------------------------|
| 1. Stack diameter (m) | : 1.275 | -- |
| 2. Stack cross sectional area (sq m) | : 1.277 | -- |
| 3. Ambient temperature (°C) | : 32 | -- |
| 4. Flue gas temperature (°C) | : 40 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 12.35 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 56,775 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 53,255 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 19.49 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


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STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/016/2025

Report Date: 21-11-2025

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 : 12-11-2025
Date of Analysis : 13-11-2025

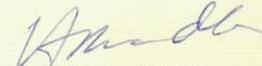
PROTOCOL

| | | |
|--|----------|----------------------------|
| 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) | : 46 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 10.62 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 48,822 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 44,867 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 20.30 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


AUTHORISED SIGNATORY

STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/017/2025

Report Date: 21-11-2025

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 : 11-11-2025
Date of Analysis : 13-11-2025

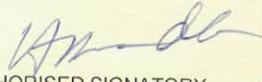
PROTOCOL

| | | |
|--|----------|----------------------------|
| 1. Stack diameter (m) | : 1.275 | -- |
| 2. Stack cross sectional area (sq m) | : 1.277 | -- |
| 3. Ambient temperature (°C) | : 31 | -- |
| 4. Flue gas temperature (°C) | : 42 | IS-11255 (Part-3); 2018 |
| 5. Exit velocity of flue gases (m/sec) | : 11.59 | IS-11255 (Part-3); 2018 |
| 6. Flow rate (m ³ /hr) | : 53,282 | IS-11255 (Part-3); 2018 |
| 7. Flow rate (N m ³ /hr) | : 49,552 | IS-11255 (Part-3); 2018 |

EMISSION DATA

LIMIT

| | | | |
|--|---------|----|----------------------------|
| 8. Particulate matter Concentration (mg/N m ³) | : 22.50 | 30 | IS-11255 (Part-1); 2019 |
|--|---------|----|----------------------------|


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STACK MONITORING KIT : MODEL NO: APM-160/SI. No. 138-DTK-2020, Calibrated On 06-01-2025, Due On 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/018/2025

Report Date: 21-11-2025

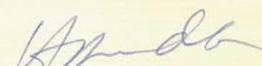
WASTE WATER ANALYSIS

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

Date of Collection : 13-11-2025
Date of Analysis : 14-11-2025
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 | : 7.55 | 7.69 | 6.5 - 8.5 |
| 4. Total Dissolved Solids | : 1,774 | 1,648 | 2,100 |
| 5. Total Suspended Solids | : 87 | 17 | 100 |
| 6. Chemical oxygen demand | : 195 | 45 | 250 |
| 7. Biochemical oxygen demand (3 days at 27 °C) | : 75 | 08 | 100 |
| 8. Oil & Grease | : 2.60 | <1.0 | 10 |

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


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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.

Email: lawnenviro@yahoo.co.in, info@lawnenviro.in, URL : www.lawnenviro.in



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TEST REPORT

REF.NO: LAWN/SCL-P/019/2025

Report Date: 21-11-2025

WATER ANALYSIS

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

Sample Particular : Drinking Water (R.O Plant)
Date of Collection : 13-11-2025
Date of Analysis : 14-11-2025
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 | 15 max |
| 2. Turbidity (NTU) | : <1.0 | 01 max | 05 max |
| 3. pH | : 7.62 | 6.50 - 8.50 | No relaxation |
| 4. Total hardness | as CaCO ₃ : 126 | 200 max | 600 max |
| 5. Calcium | as Ca : 28.87 | 75 max | 200 max |
| 6. Magnesium | as Mg : 13.05 | 30 max | 100 max |
| 7. Copper | as Cu : <0.01 | 0.05 max | 1.5 max |
| 8. Iron | as Fe : <0.10 | 0.3 max | No relaxation |
| 9. Manganese | as Mn : <0.01 | 0.1 max | 0.3 max |
| 10. Chloride | as Cl : 73.88 | 250 max | 1000 max |
| 11. Sulphate | as SO ₄ : 21.35 | 200 max | 400 max |
| 12. Nitrates | as NO ₃ : 5.45 | 45 max | No relaxation |
| 13. Fluorides | as F : <0.20 | 1.0 max | 1.5 max |
| 14. Phenol Compunds | as C ₆ H ₅ OH : <0.001 | 0.001 max | 0.002 max |
| 15. Mercury | as Hg : <0.001 | 0.001 max | No relaxation |
| 16. Cadmium | as Cd : <0.003 | 0.003 max | No relaxation |
| 17. Selenium | as Se : <0.01 | 0.01 max | No relaxation |
| 18. Arsenic | as As : <0.01 | 0.01 max | 0.05 max |

Contd....

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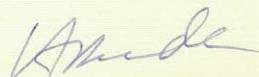
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TEST REPORT

: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 | | : | 262 | 500 max | 2000 max |
| 32. Total alkalinity | as CaCO ₃ | : | 167 | 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

REF.NO: LAWN/SCL-P/020/2025

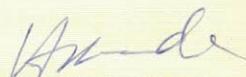
Report Date: 21-11-2025

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 | : | 63.70 | 58.20 |
| 2. Near Gullapally Village | : | 49.50 | 39.10 |
| 3. Near Ramachandrapuram Village | : | 48.80 | 37.60 |
| 4. Near Mattampally Village | : | 50.10 | 41.50 |
| 5. Near Peddaveedu Village | : | 51.70 | 42.60 |

- Note:**
- Noise levels are monitored on 12-11-2025.
 - Instrument make - Lutron SL – 4001 / G-49271, Calibrated On 20-02-2025, Due On 19-02-2026.
 - 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

REF.NO: LAWN/SCL-P/021/2025

Report Date: 21-11-2025

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 | 78.20 | 73.10 | 75.65 |
| 2. Near Coal Mill - 3 | 80.50 | 75.60 | 78.05 |
| 3. Near VRM area | 81.30 | 76.80 | 79.05 |
| 4. Near Kiln - 1 | 83.20 | 78.10 | 80.65 |
| 5. Near Kiln - II | 84.10 | 79.80 | 81.95 |
| 6. Near WHR Boiler area | 83.90 | 78.30 | 81.10 |
| 7. Near Cement Mill - 3 | 77.60 | 72.50 | 75.05 |
| 8. Near Packing Plant | 75.80 | 70.60 | 73.20 |
| 9. Near AFR area | 76.40 | 71.70 | 74.05 |
| 10. Near STP area | 75.90 | 70.80 | 73.35 |
| 11. Near Limestone Reclaimer | 74.20 | 68.50 | 71.35 |
| 12. Truck Parking Area | 70.80 | 65.20 | 68.00 |
| 13. Captive Power Plant Boiler | 79.70 | 74.50 | 77.10 |
| 14. Coal Handling Area (CPP) | 74.30 | 69.50 | 71.90 |
| 15. Turbine Generator Area | 80.60 | 75.80 | 78.20 |

- Note:** *I 1. Noise levels monitoring conducted on 12-11-2025.
2. Instrument make - Lutron SL - 4001 / G-49271, Calibrated On 20-02-2025, Due On 19-02-2026.
- *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)

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TEST REPORT

REF.NO: LAWN/SCL-P/001/2025

Report Date: 21-11-2025

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 | : 13-11-2025 | -- | --- |
| 2. Date of Analysis | : 14-11-2025 | -- | --- |
| 3. Total time of monitoring | : 24 hr | -- | --- |
| 4. Average flow rate (cum/min) | : 1.06 | -- | --- |
| 5. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM ₁₀ | : 68.46 | 100 | IS:5182 (Part-23); 2017 Gravimetric Method |
| 6. Particulate matter Concentration ($\mu\text{g}/\text{m}^3$) -PM _{2.5} | : 29.38 | 60 | IS:5182 (Part-24); 2019 Gravimetric Method |
| 7. Sulphur dioxide (SO ₂) Concentration ($\mu\text{g}/\text{m}^3$) | : 14.20 | 80 | IS:5182 (Part-2); 2018 New West & Gaeke Method |
| 8. Nitrogen dioxide (NO ₂) Concentration ($\mu\text{g}/\text{m}^3$) | : 27.90 | 80 | IS:5182 (Part-6); 2017 JACOB & Hochheiser Method |
| 9. CO, Concentration (mg/m^3) | : 0.040 | 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 06-01-2025, DUE ON 05-01-2026

1. FINE PARTICULATE SAMPLER MODEL / AAS 127 MINI; (SL.NO. 17-J-751), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026



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/002/2025

Report Date: 21-11-2025

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 | 13-11-2025 | 14-11-2025 | 1,675 | 2000 ($\mu\text{g}/\text{m}^3$) |
| 2 | Coal Yard | 13-11-2025 | 14-11-2025 | 1,374 | |


AUTHORISED SIGNATORY

1. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2461-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026
2. RESPIRABLE DUST SAMPLER MODEL / APM 460; (SL. NO. 2465-DTA-2019), CALIBRATED ON 06-01-2025, DUE ON 05-01-2026



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TEST REPORT

REF.NO: LAWN/SCL-P/003/2025

Report Date: 21-11-2025

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 | : 12-11-2025 | -- |
| 2. Date of analysis | : 13-11-2025 | -- |
| 3. Location | : Chimney | -- |
| 4. Stack diameter (m) | : 3.50 | -- |
| 5. Stack cross sectional area (sq m) | : 9.62 | -- |
| 6. Ambient temperature (°C) | : 36 | -- |
| 7. Flue gas temperature (°C) | : 123 | -- |
| 8. Exit velocity of flue gases (m/sec) | : 5.98 | IS:11255 (Part-3); 2018 |
| 9. Flow rate (m ³ /hr) | : 2,07,099 | IS:11255 (Part-3); 2018 |
| 10. Flow rate (N m ³ /hr) | : 1,53,046 | IS:11255 (Part-3); 2018 |

EMISSION DATA

LIMITS

| | | | |
|--|---------|------|----------------------------|
| 11. Particulate matter Concentration (mg/Nm ³) | : 18.46 | 30 | IS:11255 (Part-1); 2019 |
| 12. Sulphur dioxide Concentration (mg/Nm ³) | : 36.30 | 100 | IS:11255 (Part-2); 2019 |
| 13. Oxides of nitrogen Concentration (mg/Nm ³) | : 45.70 | 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 06-01-2025, DUE ON 05-01-2026


AUTHORISED SIGNATORY



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TEST REPORT

REF.NO: LAWN/SCL-P/004/2025

Report Date: 21-11-2025

WASTE WATER QUALITY ANALYSIS

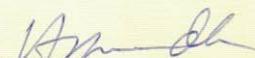
Name of the Industry & Address : **M/s. SAGAR CEMENTS LIMITED,**
Mattampally (Post & Mandal),
Suryapet (Dist) - 508 204.

Sample Particulars : Captive Power Plant - 18 MW Discharge Water
Date of Collection : 13-11-2025
Date of Analysis : 14-11-2025
PROTOCOL : A.P.H.A. 24th Edition, 2017 & IS: 3025

Limits as per GSR 422E

| | | | |
|---|---|-------|-----------|
| 1. pH | : | 7.59 | 6.50-8.50 |
| 2. Total dissolved solids | : | 1,401 | 2100 |
| 3. Total Suspended solids (at 103-105 °C) | : | 29 | 100 |
| 4. Chemical oxygen demand | : | 67.30 | 250 |
| 5. Biochemical oxygen demand (3 days at 27 °C) | : | 8.30 | 30 |
| 6. Chlorides as Cl | : | 345 | 600 |
| 7. Sulphates as SO ₄ | : | 115 | 1000 |
| 8. Oil & Grease | : | <1.0 | 10 |
| 9. Dissolved Oxygen | : | 0.90 | NS |
| 10. Free available chlorine as Cl ₂ | : | <0.20 | 0.50 |
| 11. Copper as Cu | : | 0.08 | 1.0 |
| 12. Iron as Fe | : | 0.21 | 1.0 |
| 13. Phosphate as P | : | 0.44 | 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



LAWN ENVIRO PRIVATE LIMITED

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ISO 9001, 14001 & 45001
Certified Company

TEST REPORT

REF.NO: LAWN/SCL-P/005/2025

Report Date: 21-11-2025

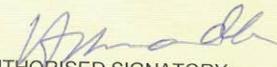
WASTE WATER QUALITY ANALYSIS

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 : 13-11-2025
Date of Analysis : 14-11-2025
PROTOCOL : A.P.H.A. 24th Edition, 2017 & IS: 3025

| | | Limits as per GSR 422E | |
|---|---|------------------------|-----------|
| 1. pH | : | 7.75 | 6.50-8.50 |
| 2. Total dissolved solids | : | 876 | 2100 |
| 3. Total Suspended solids (at 103-105 °C) | : | 22 | 100 |
| 4. Chemical oxygen demand | : | 33.30 | 250 |
| 5. Biochemical oxygen demand (3 days at 27 °C) | : | <5.0 | 30 |
| 6. Chlorides as Cl | : | 241.70 | 600 |
| 7. Sulphates as SO ₄ | : | 50.90 | 1000 |
| 8. Oil & Grease | : | <1.0 | 10 |
| 9. Dissolved Oxygen | : | 0.60 | NS |
| 10. Free available chlorine as Cl ₂ | : | <0.20 | 0.50 |
| 11. Copper as Cu | : | 0.06 | 1.0 |
| 12. Iron as Fe | : | 0.14 | 1.0 |
| 13. Phosphate as P | : | 0.33 | 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