

Date: - 28.01.2023

To.

Environmental Officer, KSPCB, No.597, 1<sup>st</sup> cross, Near Vishnuvardhan Park, Kuvempunagar, BALLARI - 583 104.

Sub: Environment monitoring Report for the month of December - 2022.

Ref: F.NO. J-11011/500/2017-IA-II(I) Dated 7th July 2021

Dear Sir,

This has reference to the Environmental clearance received on 7<sup>th</sup> July 2021.

We are hereby submitting the Environment Monitoring report for December - 2022.

Kindly acknowledge the same.

Thanking you.

Yours faithfully,

For Epsilon Graphite Private Limited

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CC-

1) Member Secretary SEIAA Karnataka, (Ecology and environment) Dept. of forest ecology and environment, Government of Karnataka, Room no 709, 7th floor 4th gate MS building, Bangalore 56001.

2) The Member Secretary, KSPCB, Parisara Bhavana, 1<sup>st</sup> to 5<sup>th</sup> floor, #49, Church Street, Bengaluru-560001

3) CPCB Zonal Office, 1st & 2nd Floors, Nisarga Bhavan, A-Block, Thimmaiah Main Road, Bangalore.

भारतीय डाक EK331426321IN IVR: 69753314263 SP SHANKAR HILL TOWN COLONY S.O. (583463) Counter No:1,31/01/2023,12:26 TO: THE MEMBER SELENCIRONMENT IMPA PIN:560001, Bengaluru G.P.O. From: EPSILON GRA, SULTANPUR RD Wt:45gas Amt:41.30(Cash)Tax:6.30 (Track on www.indianost.now in) भारतीय डाक EK331426318IN IVR:69753314263 SP SHANKAR HILL TOWN COLONY S.O. <583153> Counter No:1,31/01/2023,12:26 To: CPCB ZONAL OF, IST AND 2ND FLOO PIN:560079, Basaveshwaranagar S.O From: EPSILON GRA, SULTANPUR RD Wt:45qas Amt:41.30(Cash)Tax:6.30 (Track on www.indiapost.gov.in) (Dial 18002666868) (Wear Masks, Stay Safe) भारतीय डाक EK331426304IN IVR:69753314263 SP SHANKAR WILL TOWN COLONY S.O. (583193) Counter No:1,31/01/2023,12:26 TO: THE MEMBER SE, KARNATAKA STATE PIN:560001, Bengaluru G.P.O. From: EPSILON GRA, SULTANPUR RD

Wt:45qms

Ant:37.30(Cash)PS:4.00Tax:6.30 <Track on www.indiapost.gov.in>



| Custon  | omer Name : Epsilon Graphite Pvt Ltd.    |                |                                    |  |  |                            |                   |                   |  |  |
|---|--|----------------|------------------------------------|--|--|----------------------------|-------------------|-------------------|--|--|
| Customer Address : Sultanpur Road, Musinayakahalli, Taluka Sandur, District Bellary, Karnataka 583123 |  |                |                                    |  |  |                            |                   |                   |  |  |
| Custon  | ner Reference                            | :              |                                    |  | F.   |                            |                   | Ser Reservations) |  |  |
| MoEFCC Validity : 16 Oct, 2024  |  |                | QCI-NABL Validity : 16 Jun, 2024   |  |  | 2024                       |                   |                   |  |  |
| Discipline/Group : Chemical / Atmosphe  |  | eric Pollution | Test Report No. : NIL/AA/12/22/147 |  |  | 12/22/147                  |                   |                   |  |  |
| Sample  | Туре                                     | :              | Ambient Air                        |  | Sample Code : NIL/AA/12/22/147                             |                            |                   | 12/22/147         |  |  |
| Sampli  | ng Method                                | :              | N(I)L/AIR/SOP-12/13                | 3/14                                     | Amb. Ter   | Amb. Temperature : 23.0 °C |                   |                   |  |  |
| Sampli  | ng Date                                  | :              | 22.12.2022                         | II That                                  | Sample F   | Received                   | : 27.12.20        | 022               |  |  |
| Analysi   | is Start Date                            | :              | 28.12.2022                         | Ludaj                                    | Analysis End Date : 05.01.2023                             |                            |                   |                   |  |  |
| Reporti   | ng Date                                  | :              | 05.01.2023                         | BITIMES.                                 | Sample Qty. & Pkg. : FP (2 nos), CT, Bld & 50ml PB (4 nos) |                            |                   |                   |  |  |
| Sampling Location : EGPL Near Back Side   |  |                |                                    | Sampling Done By : Netel (India) Limited |  |                            |                   |                   |  |  |
| Sr. No. Parameter Re  |  | Result         | Unit                               | Duration                                 | <b>CPCB</b> Limit  | Method                     |                   |                   |  |  |
| 1   | Particulate Ma                           | atte           | er (PM <sub>10</sub> )             | 58.4                                     | µg/m³  | 24 Hrs                     | 100               | IS-5182 (Part-23) |  |  |
| 2   | Particulate Matter (PM <sub>2</sub> . s) |                | 25.6                               | μg/m³                                    | 24 Hrs   | 60                         | NIL/AIR/SOP/03†   |                   |  |  |
| 3   | Sulphur Dioxide (SO <sub>2</sub> )       |                | 15.7                               | µg/m³                                    | 24 Hrs   | 80                         | IS-5182 (Part-02) |                   |  |  |
| 4   | Oxides of Nitrogen (NO <sub>x</sub> )    |                | 26.1                               | μg/m³                                    | 24 Hrs   | 80                         | IS-5182 (Part-06) |                   |  |  |
| 5   | Carbon Monoxide (CO)                     |                | 0.42                               | mg/m³                                    | 24 Hrs   | 2                          | IS-5182 (Part-10) |                   |  |  |
| 6   | Benzene (C <sub>6</sub> H <sub>6</sub> ) |                | BDL                                | µg/m³                                    | 24 Hrs   | 5                          | IS-5182 (Part-11) |                   |  |  |
| 7 Ammonia (NH <sub>3</sub> )  |  | BDL            | µg/m³                              | 24 Hrs                                   | 400  | APHA Air 3rd (Method-401)  |                   |                   |  |  |
| 8   | Ozone (O <sub>3</sub> )                  |                | 3.20                               | µg/m³                                    | 24 Hrs   | 100                        | IS-5182 (Part-09) |                   |  |  |
| 9   | Benzo - a - Pyrene (BaP) BDL             |                |                                    | ng/m³                                    | 24 Hrs   | 1                          | IS-5182 (Part-12) |                   |  |  |
| 10  | Lead (Pb) BDL                            |                | µg/m³                              | 24 Hrs                                   | 1  | APHA Air 3rd Edition       |                   |                   |  |  |
| 11  | Nickel (Ni)                              |                |                                    | BDL                                      | ng/m³  | 24 Hrs                     | 20                | (Method 822)      |  |  |

Note: 1. \* Laboratory SOP, based on CPCB Guidelines Volumns I & II

- 2. This Test Report shall not be reproduced except in full, without written approval of the Laboratory.
- 3. This Test Report refers only to the sample tested.
- 4. The complaint register is available with the Laboratory as per Environment Protection Act, 1986.

\*\*\*End of Report\*\*\*

Verified by:

Neelima Dalvi

**Authorised Signatory** 

Issued by:

Shraddha Kere Quality Manager

Page 1 of 2

A Neterwala Group Company

CIN: U74999MH2003PLC142228

(1) (1)



| Customer Name : Epsilon Graphite Pvt Ltd.              |                          |  |  |                                |              | north Commercial              |  |
|--|--------------------------|--|--|--------------------------------|--------------|-------------------------------|--|
| Customer Address : Sultanpur Road, Musinayakahalli, Ta |                          |  | aluka Sandur, District Bellary, Karnataka 583123 |                                |              |                               |  |
| Customer Reference                                     | ):                       |  | and charges                                      | and the                        |              |                               |  |
| MoEFCC Validity  | : 16 Oct, 2024           | Marar RT                                 |  |                                | anidos La    |                               |  |
| Discipline/Group                                       | : Chemical / Atmosph     | eric Pollution                           | Test Report No.                                  |                                | : NIL/AA/    | : NIL/AA/12/22/147            |  |
| Sample Type  | : Ambient Air            | mbient Air                               |  | Sample Code : NIL/AA/12/22/147 |              |                               |  |
| Sampling Method  | : N(I)L/AIR/SOP-12/13/14 |  | Amb. Temperature : 23.0 °C                       |                                |              |                               |  |
| Sampling Date  | : 22.12.2022             | 22.12.2022                               |  | Sample Received : 27.12.2022   |              |                               |  |
| Analysis Start Date                                    | : 28.12.2022             | ed mail                                  | Analysis   | Analysis End Date : 05.01.2023 |              |                               |  |
| Reporting Date   | : 05.01.2023             | and J                                    | Sample (   | Qty. & Pkg                     | . : FP (2 no | s), CT, Bld & 50ml PB (4 nos) |  |
| Sampling Location : EGPL Near Back Side                |                          | Sampling Done By : Netel (India) Limited |  |                                |              |                               |  |
| Sr. No.  | Parameter                | Result                                   | Unit   | Duration                       | CPCB Limit   | Method                        |  |
| 12 Arsenic (As)  | 1 29 129                 | BDL                                      | ng/m³  | 24 Hrs                         | 6            | APHA Air 3rd Edition          |  |

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\*\*\*End of Report\*\*\*

Verified by:

Neelima Dalvi Authorised Signatory Issued by:

Shraddha Kere Quality Manager

Page 2 of 2





# NOISE MONITORING REPORT

| Customer Name   | ustomer Name : Epsilon Graphite Pvt Ltd. |                  |                       |  |  |
|---|--|------------------|-----------------------|--|--|
| Customer Address Sultanpur Road, Musinayakahalli, Taluka Sandur, District Bellary, Karnataka 5831 |  |                  |                       |  |  |
| Customer Reference  | Sample Color                             | AVANGE D         | Los narasono Debases. |  |  |
| Discipline / Group  | :Chemical -Atmospheric Pollution         | Test Report No   | NILNO/12/22/089       |  |  |
| Sample Type   | : Noise Monitoring                       | Sample Code      | NILNO/12/22/089       |  |  |
| Instrment Details   | Lutron SL- 4023 SD                       | Amb. Temperature | 25°C                  |  |  |
| Sampling Date   | : 24.12.2022                             | Reporting Date   | 02.01.2023            |  |  |

| Sr. No.          | Location        | Day Time dB(A) | Night Time dB(A) |
|------------------|-----------------|----------------|------------------|
|                  | AG              | PLANT          | 72 (24.2) L      |
| 1                | EGPL Front Side | 62.8           | 51.4             |
| 2 EGPL Back Side |                 | 52.9           | 47.5             |

Permissible Limits: 75 dBA Leq Between 6:00 A.M. to 10:00 P.M. (Day)

70 dBA Leq between 10:00P.M. to 6:00 A.M. (Night)

\*\*\* End of the Report\*\*\*

Verified by:

Neelima Dalvi

**Authorised Signatory** 

Issued By

Shraddha Kere Quality Manager





| Custor                               | comer Name : Epsilon Graphite Pvt Ltd. |                    |  |                            |  |  |
|--------------------------------------|--|--------------------|--|----------------------------|--|--|
| Custor                               | ner Address : Sultanpur Road           | , Musinayakahalli, | Taluka Sandur, District E                | Bellary, Karnataka 583123  |  |  |
| Custon                               | ner Reference: 4300003131 da           | ted 14/06/2022     | SOLD TYP ENGUETE                         | Oustomer Name Coston       |  |  |
| Sample Type : Flue Gas (Stack)       |  |                    | Test Report No.                          | : NIL/ST/12/22/054         |  |  |
| Stack (                              | Connected to : DG Set (250 KV          | 'A)                | Sample Code                              | : NIL/ST/12/22/054         |  |  |
| Stack I                              | Height : 5 m                           | e2 tes1            | Stack Diameter                           | : 0.25 m                   |  |  |
| Sampling Date : 24.12.2022           |  |                    | Sample Received                          | : 27.12.2022               |  |  |
| Analysis Start Date : 28.12.2022     |  |                    | Analysis End Date                        | : 02.01.2023               |  |  |
| Reporting Date : 02.01.2023          |  |                    | Sample Qty. & Pkg.                       | : Thimble, Plastic Bottles |  |  |
| Sampling Location : DG Set (250 KVA) |  |                    | Sampling Done By : Netel (India) Limited |                            |  |  |
| Sr. No. Test Parameter Results       |  | Results            | Unit                                     | Method                     |  |  |
| 1                                    | Temperature                            | 98.0               | °C                                       | IS 11255 (Part 1)          |  |  |
| 2                                    | Velocity                               | 7.72               | m/sec                                    | IS 11255 (Part 1)          |  |  |
| 3                                    | Flowrate                               | 279.36             | Nm³/hr                                   | IS 11255 (Part 1)          |  |  |
| 4                                    | Particulate Matter 14.3                |                    | mg/Nm³                                   | IS 11255 (Part 1)          |  |  |
| 5                                    | SO <sub>x</sub> 51.3                   |                    | mg/Nm³                                   | IS 11255 (Part 2)          |  |  |
| 6                                    | NOx                                    | 25.4               | mg/Nm³                                   | IS 11255 (Part 7)          |  |  |

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\*\*\*End of Report\*\*\*

Verified by:

Neelima Dalvi

**Authorised Signatory** 

Issued by:

Shraddha Kere **Quality Manager** 





|   | 12011   | CEI OILI  |  |  |  |  |  |
|---|---|---|--|--|--|--|--|
| Customer Name : Epsilon Graphite Pvt Ltd.   |   |   |  |  |  |  |  |
| Customer Address : Sultanpur Road, Musinayakahalli, Taluka Sandur, District Bellary, Karnataka 583123 |   |   |  |  |  |  |  |
| Customer Reference: 4300003131 dated 14/06/2022   |   |   |  |  |  |  |  |
| Sample Type : Flue Gas (Stack)  |   |   | : NIL/ST/12/22/053   |  |  |  |  |
| Stack Connected to : Electric Furnace   |   |   | : NIL/ST/12/22/053   |  |  |  |  |
| Stack Height : 21 m   |   |   | : 0.25 m   |  |  |  |  |
| ng Date : 24.12.2022  |   | Sample Received   | : 27.12.2022   |  |  |  |  |
| is Start Date : 28.12.2022  |   | Analysis End Date : 02.01.2023  |  |  |  |  |  |
| ing Date : 02.01.2023   |   | Sample Qty. & Pkg. : Thimble, Plastic Bottles   |  |  |  |  |  |
| ng Location : Electric Furnace  |   | Sampling Done By : Netel (India) Limited  |  |  |  |  |  |
| Test Parameter  | Results   | Unit  | Method   |  |  |  |  |
| Temperature   | 42.0  | °C  | IS 11255 (Part 1)  |  |  |  |  |
| Velocity  | 3.02  | m/sec   | IS 11255 (Part 1)  |  |  |  |  |
| Flowrate  | 525.61  | Nm³/hr  | IS 11255 (Part 1)  |  |  |  |  |
| 4 Particulate Matter 7.4  |   | mg/Nm³  | IS 11255 (Part 1)  |  |  |  |  |
| SO <sub>x</sub>   | 38.4  | mg/Nm³  | IS 11255 (Part 2)  |  |  |  |  |
| NO <sub>x</sub>   | 23.4  | mg/Nm³  | IS 11255 (Part 7)  |  |  |  |  |
| VOC   | 35.2  | mg/Nm³  | USEPA – 5  |  |  |  |  |
|   | ner Address : Sultanpur Road, ner Reference : 4300003131 dat Type : Flue Gas (Stack Connected to : Electric Furnace Height : 21 m Ing Date : 24.12.2022 Ing Date : 02.01.2023 Ing Location : Electric Furnace Test Parameter Temperature Velocity Flowrate Particulate Matter SOx NOx | ner Name : Epsilon Graphite Pvt Ltd. ner Address : Sultanpur Road, Musinayakahalli, Taner Reference : 4300003131 dated 14/06/2022  Type : Flue Gas (Stack) Connected to : Electric Furnace Height : 21 m ng Date : 24.12.2022 is Start Date : 28.12.2022 ing Date : 02.01.2023 ng Location : Electric Furnace  Test Parameter Results Temperature 42.0 Velocity 3.02 Flowrate 525.61 Particulate Matter 7.4 SO <sub>x</sub> 38.4 NO <sub>x</sub> 23.4 | ner Address : Sultanpur Road, Musinayakahalli, Taluka Sandur, Districtioner Reference : 4300003131 dated 14/06/2022  Type : Flue Gas (Stack) |  |  |  |  |

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\*\*\*End of Report\*\*\*

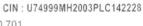
Verified by:

Neelima Dalvi

**Authorised Signatory** 

Issued by:

Shraddha Kere **Quality Manager** 



# EGPL – Environmental monitoring (Stack, AAQM) activity December 2022



EGPL – Environmental monitoring (Stack, AAQM) activity
December 2022



EGPL – Environmental monitoring (Stack, AAQM) activity
December 2022

