





RECOGNSED AS ENVIRONMENTAL INSORATORY BY BWEFCU, BOYT, OF BIDIA, CHARLE BALLONDING (PROTECTION) AND 1986, DOPIN OF INDUSTRY, FORESTS & ENVIRONMENT, GOVT. OF BIHAR AND SIHAR STATE POLLUTION CONTROL BOARD

TEST REPORT

| Ref. No. STH/TR/22-2 | 23/7069-7072 | 2 Dt: 17.0 | 3.2023 | Your Work (| Order No. 89 | 17 Dt | : 17.01.20 | | | | |
|--|--|-----------------|--|-----------------------------------|---------------------------|---|------------------------|--|--|--|--|
| [a] Name and address (| Chief General Manager M/s Harinagar Sugar Mills P.O.: Harinagar W. CHAMPARAN — 845 103 | | | | | | | | | | |
| [b] Details of Sample | | | | Monitoring of Ambient Air Quality | | | | | | | |
| [c] Sample Collected by | Y) | | | | | | | | | | |
| [d] Sampling Location | | TO TO | SHIVA TEST HOUSE on 05.03.23 Within Premises of Sugar Mill | | | | | | | | |
| [e] Method of Sampling | 1 | | IS 5182 (Part | | Title | | | | | | |
| [f] Sampling Environm | | on: | Temp. (°C) | 27 | Humidity / | 2/) 60 | | | | | |
| ** | | | | | | %) 69 | | | | | |
| [g] Details of Sample C | ontainer (No | . & Type of Co | The second secon | Glass Impin | ~ | | | | | | |
| [h] Instrument ID | | | | | | | FPM-3, FPM-4 | | | | |
| [i] Sample Quantity | | 513 | | 30 ml x 24 (f | or each NO ₂ , | SO ₂) | | | | | |
| [j] Sample Condition of | n Receipt | | Fit for Analys | sis | | | | | | | |
| [k] Items required to be | tested | | As per cont | | | | | | | | |
| [I] Whether any specific suggested by the cu | ic Method of | Test has been | No No | | | | | | | | |
| | m] Date of receiving the sample in Laboratory | | | | | 06.03.23 | | | | | |
| [n] Analysis Start Date | | | | 06.03.23 / 07.03.23 | | | | | | | |
| [11] Allaysis Clark Date | / / mary sis oc | Impletion Date | Limit as | Sampling Station / Result | | | | | | | |
| Parameters | Unit | Method of | per NAAQS 2009 | Near Guest Near | | | | | | | |
| Parameters | Unit | Test | | House (SC_A-7069) | Near E.T.P (SC_A-7070) | Workshop (SC_A-7071) | Near STP (SC_A-7072 | | | | |
| -6 | | IS 5182 | | 74.4 | 74.3 | 79.4 | 74.5 | | | | |
| Particulate Matter (PM ₁₀) | μg/m³ | (Part-23) | 100 | 70:4 | 73.6 | 2020000 | 71:7 | | | | |
| | | | | 74.7 | 78.2 | | 76.6 | | | | |
| Particulate Matter (PM _{2.5}) | μg / m³ | CPCB | 60 | 38.3 33.3 | 42.0 | 1900-000 | 40.7 | | | | |
| raticulate Matter (r M2.5) | µg / III | GMAAP | 80 | 35.8 | 33.3 | 7/2/2/2/2 | 30.8 | | | | |
| | | | | 16.2 | 22.8 | Station / Result Near Workshop (SC_A-7071) 79.4 76.3 76.6 43.1 35.7 40.6 22.9 19.2 14.6 13.5 12.5 16.7 43.9 41.2 36.1 32.6 34.7 | 38.3 16.9 | | | | |
| | | | 5 TO 1 | 14.5 | 11.6 | 255333 | 16.3 | | | | |
| Sulabua Disulda es CO | 43 | IS 5182 | -0-2 | 11.2 | 11.4 | 23/202 | 13.0 | | | | |
| Sulphur Dioxide as SO ₂ | μg / m³ | (Part-2) | 80 | 12.2 | 9.3 | 500000 | 11.0 | | | | |
| | | WHITE SAME CASE | | 14.2 | 14.5 | 12.5 | 13.0 | | | | |
| | . 9 | | 2007.35 | 17.2 | 23.8 | 16.7 | 14.9 | | | | |
| | | /m³ IS 5182 | PS- | 40.0 | 44.3 | 43.9 | 42.0 | | | | |
| | | | | 35.9 | 39.5 | 41.2 | 38.7 | | | | |
| Nitrogen Dioxide as NO ₂ | μg / m³ | | 80 | 32.4 | 32,4 | 36.1 | 32.5 | | | | |
| | Ma / III | (Part-6) | 30 | 29.6 | 31.7 | 32.6 | 29.8 | | | | |
| | | | | 31.7 | 36.6 | 13.52(3.77) | 36.6 | | | | |
| V-1- | | | | 37.9 | 39.4 | 41.8 | 37.9 | | | | |
| verage Value | | | OI LOS | | | | | | | | |
| PM ₁₀ | μg / m ³ | | | 73,1 | 75.4 | 77.4 | 74.3 | | | | |
| PM _{2.5} | μg / m³ | 120 | | 35.8 | 37.8 | 39.8 | 36.3 | | | | |
| | | | | 0.00000 | | | | | | | |
| SO ₂ NO ₂ | μg / m³ μg / m³ | 83 | | 14.3 34.6 | 15.6 37.3 | 16.6 38.4 | 14.2 | | | | |

SHIBESHW

Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.03.17

Verified by: Technical Manager athoutea Cole Patna 800013

Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.03.17 11:57:07 +05'30' Authorized Signatory Quality Manager

- END OF TEST REPORT -

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Contact us:

122-C, Aastha, Road No. 5A, Patliputra Colony, Patna - 800 013 (Bihar)

Mob : +918676886249 ; +919431047908







SHIVA TEST HOUSE



(Serving since 1988)

RECOGINSED AS ENVIRONMENTAL LABORATORY BY MoEFCC, GOVT. OF INDIA, UNDER ENVIRONMENT (PROTECTION) ACT 1986, DEPTT. OF INDUSTRY, FORESTS & ENVIRONMENT, GOVT. OF BIHAR AND BIHAR STATE POLLUTION CONTROL BOARD

TEST REPORT

| Ref. No. STH/TR/22- | -23/6288-629 | 1 Dt: 22. | 02.2023 | Your | Work | Order No. 8 | 917 D | t: 17.01.2 | | | |
|---|---------------------|---------------------|----------------------|--|---------------------------------|---|--|--|--|--|--|
| [a] Name and address | of the Custor | mer | | P | Ns Hari .O.: Ha | eneral Manage nagar Sugar I rinagar PARAN – 845 10 | er Mills | | | | |
| [b] Details of Sample | | ILI- | | M | Ionitori | na of Ambian | 1 A in O !! | | | | |
| to cample collected by | | | | | | Monitoring of Ambient Air Quality | | | | | |
| [d] Sampling Location | | | | | | SHIVA TEST HOUSE on 11.02.23 Within Premises of Sugar Mill | | | | | |
| [e] Method of Samplin | a · | | | 10 | unin P | remises of Su | gar Mill | | | | |
| If Complian Co. i | | | | | | Part - 14) | | | | | |
| [a] Details of Sample (| | emp. (| | Humidity | (%) 68 | | | | | | |
| [g] Details of Sample Container (No. & Type of Container) | | | | | | per; Glass Ir | npinger | | | | |
| h] Instrument ID | | | | RD | DS-1, RDS | S-2, RDS-3, RDS-4 | , FPM-1, FPM-2, F | PM-3 EDM 4 | | | |
| i] Sample Quantity | | | | 30 | 0 ml x 2 | 24 (for each N | 10° 20°) | 1 101-0, 17 101-4 | | | |
| [j] Sample Condition on Receipt | | | | | | nalysis | 102, 002) | | | | |
| k] Items required to be | e tested | | | | | | | | | | |
| I) Whether any specif | ic Method of | Test has been | | A | s per c | contract | | | | | |
| the customer | | | suggested | by No | 0 | | | N | | | |
| m] Date of receiving the | e sample in L | aboratory | | 13 | 3.02.23 | 3 | | | | | |
| n] Analysis Start Date | / Analysis Co | mpletion Date | Transfer I | | 13.02.23 / 14.02.23 | | | | | | |
| | | | Limit as | 1 10 | Sampling Station / Result | | | | | | |
| Parameters | Unit | Method of Test | per NAAQS 2009 | Near (Hou (SC_A-6 | | Near E.T.P (SC_A-6289) | Near Workshop (SC_A-6290) | Near STP (SC_A-6291 | | | |
| Particulate Matter (PM ₁₀) | | IS 5182 | | 76 | .1 | 76.5 | 80.0 | 81.0 | | | |
| . druedate matter (r m ₁₀) | μg / m³ | (Part-23) | 100 | 70 | 7.7 | 76.2 | 77.9 | 74.2 | | | |
| | | N | | 80. | | 79.2 | 80.3 | 73.9 | | | |
| Particulate Matter (PM _{2.5}) | μg / m³ | CPCB | CO. | 40. 32. | | 41.8 | 44.2 | 40.4 | | | |
| | | GMAAP | 00 | 35. | | 35.5 | 34.1 | 32.9 | | | |
| | | | | 22. | | 39.3 17.6 | 43.0 | 39.2 | | | |
| | | | | 27. | 222 | 16.0 | 24.1 | 15.1 | | | |
| Sulphur Dioxide as SO ₂ | μg / m ³ | IS 5182 | | 1.0 | | 10.7 | 8.4 | 19.5 | | | |
| • | (Part-2) | 80 | 11. | 9 | 3.9 | 13.6 | 9.1 12.1 | | | | |
| | | | | 6.9 | 9 | 18.6 | 15.7 | 14.1 | | | |
| | | | | 10.5 | 0 | 25.4 | 357875 | 20000 | | | |
| 1 | | | | 10. | , | 23.4 | 17.8 | 191 | | | |
| VI | | : | | 36.3 | 3 | 43.1 | 17.8 39.9 | 18.1 | | | |
| | | 10.5400 | | 36.: 32.: | 3 2 | | | 40.4 | | | |
| Nitrogen Dioxide as NO ₂ | μg/m³ | IS 5182 | 80 | 36.: 32.: 25.: | 3 2 5 | 43.1 | 39.9 | 40.4 37.7 | | | |
| Nitrogen Dioxide as NO ₂ | μg / m³ | IS 5182 (Part-6) | 80 | 36.: 32.: 25.: 28.: | 3 2 5 2 | 43.1 41.3 28.5 29.9 | 39.9 37.8 | 40.4 | | | |
| Nitrogen Dioxide as NO ₂ | μg / m³ | 2000 1000 | 80 | 36.3 32.2 25.3 28.2 36.3 | 3 2 5 2 3 | 43.1 41.3 28.5 29.9 32.5 | 39.9 37.8 34.2 | 40.4 37.7 31.5 | | | |
| | μg / m³ | 2000 1000 | 80 | 36.: 32.: 25.: 28.: | 3 2 5 2 3 | 43.1 41.3 28.5 29.9 | 39.9 37.8 34.2 32.0 | 40.4 37.7 31.5 29.4 | | | |
| /erage Value PM ₁₀ | | 2000 1000 | 80 | 36.3 25.3 28.2 36.3 41.0 | 3 2 5 2 2 3 0 | 43.1 41.3 28.5 29.9 32.5 37.2 | 39.9 37.8 34.2 32.0 37.5 38.4 | 40.4 37.7 31.5 29.4 32.1 | | | |
| verage Value | μg / m³ | 2000 1000 | 80 | 36.3 32.2 25.2 28.2 36.3 41.6 | 3 2 5 5 2 3 0 | 43.1 41.3 28.5 29.9 32.5 37.2 | 39.9 37.8 34.2 32.0 37.5 38.4 | 40.4 37.7 31.5 29.4 32.1 | | | |
| | | 2000 1000 | 80 | 36.3 25.3 28.2 36.3 41.0 | 3 2 5 2 2 3 0 | 43.1 41.3 28.5 29.9 32.5 37.2 | 39.9 37.8 34.2 32.0 37.5 38.4 | 40.4 37.7 31.5 29.4 32.1 34.9 | | | |

SHIBESHW AR PRASAD Date: 2023.02.22 11:28:30 +05'30'

Digitally signed by SHIBESHWAR PRASAD

Verified by: Technical Manager



Digitally signed by Shreyasee Prasad Date: 2023.02.22 11:56:35 +05'30'

> Authorized Signatory Quality Manager

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-- END OF TEST REPORT -

Website: www.shivatest.com; www.shivatesthouse.com

Page 1 of 1





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OF INDUSTRY, FORESTS & ENVIRONMENT, GOVT. OF BIHAR AND BIHAR STATE POLLUTION CONTROL BOARD

TEST REPORT

| Ref. No. STH/TR/22- | 23/5503-550 | 06 Dt: 21.01 | .2023 | | Order No. 89 | | 17.01.202 | | |
|---|---------------------|-----------------------|---|------------------------------------|---|---------------------------------|------------------------|--|--|
| [a] Name and address o | of the Custon | ner | | M/s Harii P.O.: Har | neral Manager nagar Sugar M rinagar PARAN – 845 10 | lills | | | |
| [b] Details of Sample | | | 21,895 | Monitori | ng of Ambient | Air Quality | | | |
| [c] Sample Collected by | | ST HOUSE of | | | | | | | |
| [d] Sampling Location | | remises of Sug | | | | | | | |
| | | | ar Mili | | | | | | |
| e Method of Sampling | IS 5182 (| | | | | | | | |
| [f] Sampling Environment | Temp. (0 | | Humidity (| %) 70 | | | | | |
| [g] Details of Sample C | Filter Pa | per; Glass Im | npinger | | | | | | |
| h] Instrument ID | (2) | | | | 5-2, RDS-3, RDS-4, | | PM-3. FPM-4 | | |
| [i] Sample Quantity | | | | | 24 (for each N | | | | |
| [j] Sample Condition o | n Receint | | | Fit for Ar | | 102, 002) | | | |
| | | | | | | | | | |
| [k] Items required to be | | T | | As per o | contract | | | | |
| Whether any specifi the customer | c Method of | l est has been | suggested | by No | | | | | |
| [m] Date of receiving the | e sample in L | aboratory | | 16.01.2 | 16.01.23 | | | | |
| n] Analysis Start Date | | | | 16 01 2 | 16.01.23 / 18.01.23 | | | | |
| ing / indigote chart bate | , many old oc | The state | | 170.07.2 | Sampling Station / Result | | | | |
| Parameters | Unit | Method of Test | per NAAQS | Near Guest House (SC_A-5503) | Near E.T.P (SC_A-5504) | Near Workshop (SC_A-5505) | Near STP (SC_A-5506 | | |
| | | (Alicenter and the s | 2000 | 78.2 | 82.3 | 80.0 | 82 3 | | |
| Particulate Matter (PM ₁₀) | μg / m ³ | 12 PARTY TROUBER | 100 | 72.2 | 74.0 | 76.3 | 75.9 | | |
| | 50.70k | (Part-23) | | 90.7 | 71.2 | 86.9 | 75.6 | | |
| The bar attended the formation of the first | | CPCP | St has been suggested by coratory pletion Date Method of Test NAAQS 2009 (SC (Part-23) 100 CPCB GMAAP 60 IS 5182 (Part-2) 80 | 46.6 | 44.4 | 48.0 | 43.0 | | |
| Particulate Matter (PM _{2.5}) | $\mu g / m^3$ | | | 37.8 | 31.7 | 34.1 | 35.4 | | |
| 2 | 1800 80 2010 2 | GIVIAAF | | 40.3 | 43.1 | 43.0 | 41.8 | | |
| | | | | 31.6 | 15.6 | 19.9 | 16.1 | | |
| | | 11 10 | | 41.4 | 35.9 | 24.6 | 19.5 | | |
| Sulphur Dioxide as SO ₂ | $\mu g / m^3$ | | 80 | 9.9 | 17.6 | 11.5 | 9.1 | | |
| Calpital Bloxide as CO2 | pg / III | (Part-2) | 00 | 20.7 | 18.6 | 13.6 | 10.1 | | |
| | | | - 3 | 12.8 | 28.3 | 12.6 | 16.1 | | |
| (A) | 17 | | | 20.7 | 17.6 | 17.8 | 18.1 | | |
| | ~ | - 83 | | 34.9 | 45.1 | 39.9 | 38.3 | | |
| | l l | Property and the same | | 41.8 | 38.0 | 24.6 | 45.4 | | |
| Nitrogen Dioxide as NO ₂ | μg / m³ | | 80 | 30.2 | 27.2 | 11.5 | 33.5 | | |
| Titli Ogell Dioxide as 1402 | μg/III | (Part-6) | 00 | 27.5 | 27.9 | 13.6 | 27.4 | | |
| | DATES: 4 | | | 39.6 | 32.5 | 12.6 | 30.1 | | |
| | | | | 43.0 | 36.5 | 17.8 | 37.6 | | |
| verage Value | STORES NAME OF THE | | | | | | | | |
| PM ₁₀ | μg / m³ | | | 80.4 | 75.8 | 81.1 | 77.9 | | |
| PM _{2.5} | μg / m³ | | | 41.6 | 39.7 | 41.7 | 40.1 | | |
| SO ₂ NO ₂ | μg / m³ | 100 | | 22.9 | 22.3 | 16.7 | 14.8 | | |
| | $\mu g / m^3$ | 1 | | 36.2 | 34.5 | 38.2 | 35.4 | | |

SHIBESHW Digitally signed by SHIBESHWAR PRASAD Date: 2023.01.21 11:28:42 +05'30'

Verified by : Technical Manager



- END OF TEST REPORT -

Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2023.01.21 11:33:16 +05'30'

Authorized Signatory Quality Manager

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TEST REPORT

| [a] Name and address o | of the Custon | ner | | M/s Hari | neral Manager nagar Sugar M rinagar PARAN – 845 10 | ills | | | |
|--|--|--|--|------------------------------------|---|-------------------------|------------------------|------|--|
| [b] Details of Sample | | Carrie in- | VII. IIV | | ng of Ambient | | | | |
| [c] Sample Collected by | | | | | | | | | |
| [d] Sampling Location | | SHIVA TEST HOUSE on 25.12.22 Within Premises of Sugar Mill | | | | | | | |
| [e] Method of Sampling | T | | A THE | IS 5182 (| | 10 10111 | | | |
| [f] Sampling Environme | | Temp. (| | Humidity (| 2/1 64 | | | | |
| | | | | %) 64 | | | | | |
| g] Details of Sample C | ontainer (No | . & Type of Co | ntainer) | | per ; Glass Im | | | | |
| h] Instrument ID | | 0.00 | | | 5-2, RDS-3, RDS-4, | | PM-3, FPM-4 | | |
| i] Sample Quantity | | | | 30 ml x 2 | 4 (for each N | O2, SO2) | | | |
| [] Sample Condition or | Fit for Ar | alysis | | | | | | | |
| k] Items required to be | As per o | | | | | | | | |
| I) Whether any specific the customer | | Test has been | suggested | | | | | | |
| ml Date of receiving the | sample in I | aboratory | | 26 12 2 | 26.12.22 | | | | |
| [m] Date of receiving the sample in Laboratory [n] Analysis Start Date / Analysis Completion Date | | | | | 26.12.22 / 28.12.22 | | | | |
| in Palaysis Clark Date / | Allalysis Ot | Impletion Date | Limit as | 20.12.2 | | | | | |
| = | Unit | Method of Test | per NAAQS 2009 | | Sampling Station / Result | | | | |
| Parameters | | | | Near Guest House (SC_A-4940) | Near E.T.P (SC_A-4941) | Workshop (SC_A-4942) | Near STP (SC_A-4943 | | |
| | | IS 5182 | Pf | 78.2 | 82.3 | 82.4 | 82.3 | | |
| Particulate Matter (PM ₁₀) | μg / m³ | (Part-23) | 100 | 72.2 | 74.0 | 69.9 | 75.9 | | |
| | | | | 90.7 | 71.2 | 85.2 | 75,6 | | |
| Particulate Matter (PM _{2.5}) | μg / m³ | CPCB | 60 | 46.6 37.8 | 44.4 31.7 | 48.0 34.1 | 43.0 32.9 | | |
| , and a control (| 23, | GMAAP | - 00 | 40.3 | 43.1 | 43.0 | 41.8 | | |
| | The second secon | The state of the s | The second secon | | 17.8 | 15.6 | 19.9 | 16.1 | |
| e . | | | DEGLE | 22.8 | 18.9 | 16.0 | 19.5 | | |
| Sulphur Dioxide as SO ₂ | μq / m³ | IS 5182 | 80 | 9.9 | 8.8 | 9.4 | 9.1 | | |
| Daiphar Dioxide as CO2 | μg/m | (Part-2) | - 00 | 8.9 | 12.7 | 13.6 | 10.1 | | |
| | | | 2000 | 12.8 | 11.7 | 12.6 | 14.1 | | |
| | | | | 20.7 | 17.6 | 14.7 | 15.1 | | |
| 1 | | | | 37.6 | 45.1 | 39.9 | 38.3 | | |
| | | managa M | 2 17 | 45.9 | 34.6 | 42.9 | 41.2 | | |
| Nitrogen Dioxide as NO ₂ | μg / m³ | IS 5182 | 80 | 30.2 | 29.9 | 32,0 | 33.5 | | |
| CONTRACTOR OF CONTRACTOR CONTRACT | (Par | (Part-6) | (Part-6) | 25.5 | 25,2 | 32.8 | 26.0 | | |
| | | | rest to | 39.6 43.0 | 34.5 36.5 | 37.5 | 30.1 | | |
| | | | | 43.0 | 30.3 | 38.4 | 37.6 | | |
| verage Value | | | | | | | | | |
| | µg/m³ | | | 80.4 | 75.8 | 79.3 | 77.0 | | |
| Average Value PM ₁₀ PM _{2.5} | μg / m³ μg / m³ | | | | 75.8 39.7 | 79.2 41.7 | 77.9 | | |
| | | | | 80.4 41.6 15.4 | 75.8 39.7 14.2 | 79.2 41.7 14.4 | 77.9 39.2 14.0 | | |

SHIBESHW Digitally signed by SHIBESHWAR PRASAD AR PRASAD Date: 2023.01.06

Verified by: Technical Manager Shreyasee Prasad Digitally signed by Shreyasee Prasad Prasad

Date: 2023.01.06 14:25:34 +05'30'

Authorized Signatory Quality Manager

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- END OF TEST REPORT

Page 1 of 1





RECOGINSED AS ENVIRONMENTAL LABORATORY BY MoEFCC, GOVT. OF INDIA, UNDER ENVIRONMENT (PROTECTION) ACT 1986, DEPTT. OF INDUSTRY, FORESTS & ENVIRONMENT, GOVT. OF BIHAR AND BIHAR STATE POLLUTION CONTROL BOARD

TEST REPORT

| [a] Name and address o | | | .2022 | Chief Ger M/s Harin P.O.: Hari | Order No. 89 neral Manager agar Sugar M nagar ARAN – 845 103 | ills | : 17.01.202 | | |
|---|---------------|--|---|--------------------------------------|--|------------------------------------|--------------|--|--|
| [b] Details of Sample | 7 | | | | g of Ambient | | | | |
| [c] Sample Collected by | SHIVA TE | ST HOUSE or | 22.11.22 | | | | | | |
| [d] Sampling Location | Within Pr | emises of Sug | ar Mill | | | | | | |
| [e] Method of Sampling | IS 5182 (F | | | | | | | | |
| [f] Sampling Environme | Temp. (°0 | | Humidity (% | 6) 69 | | | | | |
| | | er ; Glass Im | | 0) 00 | | | | | |
| | ontainer (140 | . a Type of Col | italifely | | -2, RDS-3, RDS-4, | | DM-3 EDM.4 | | |
| [h] Instrument ID | | | | | | | FW-5, FFW-4 | | |
| [i] Sample Quantity | | | | | 4 (for each N | O ₂ , SO ₂) | | | |
| [j] Sample Condition on Receipt | | | | | alysis | | | | |
| [k] Items required to be tested | | | | | ontract | | | | |
| Whether any specific the customer | c Method of | Test has been | suggested | by No | | | | | |
| [m] Date of receiving the | sample in L | aboratory | | 21.11.22 | 21.11.22 | | | | |
| | | | | 21 11 22 | 21.11.22 / 23.11.22 | | | | |
| [iii] i iiiaiyele olali olali | | | | | | ation / Result | | | |
| Parameters | Unit | Method of Test | Method of per | Near Guest House | Near E.T.P (SC_A- | Near Workshop | Near STP | | |
| | | | 2009 | (SC_A-4094) | 4095) | (SC_A- 4096) | (SC_A-4097 | | |
| | | IS 5182 | | 78.2 | 82.3 | 82.4 | 82.3 | | |
| Particulate Matter (PM ₁₀) | $\mu g / m^3$ | | 100 | 69.9 | 72.3 | 66.7 | 72.5 | | |
| | | I Condition ainer (No. & Type of Container) eceipt ted ethod of Test has been suggest mple in Laboratory alysis Completion Date Unit Method of Test NAAQ | 150 | 90.7 | 69.5 44.4 | 85.2 48.0 | 75.6 43.0 | | |
| Particulate Matter (PM _{2.5}) | ua / m³ | 55-55 E. D. | container) For suggested by te Limit as per NAAQS H (SC_1 100 60 | 35.3 | 31.7 | 32.8 | 32.9 | | |
| r articulate Matter (r M2.5) | μg/m | GMAAP | | 40.3 | 38.0 | 37.9 | 38.0 | | |
| | | | | 17.8 | 15.6 | 19.9 | 16.1 | | |
| | | | | 12.1 | 15.0 | 16.0 | 11.3 | | |
| Sulphur Dioxide as SO ₂ | a / m³ | IS 5182 | 80 | 9.9 | 8.8 | 9.4 | 9.1 | | |
| Sulpriul Dioxide as 602 | µg / III | (Part-2) | - 00 | 8.9 | 12.7 | 10.5 | 10.1 | | |
| | | | | 12.8 | 11.7 | 12.6 | 14.1 | | |
| | | | L GLA | 15.8 | 17.6 | 14.7 | 15.1 | | |
| | | | 1 | 37.6 | 39.8 | 39.9 | 38.3 | | |
| | | | 1 50 | 35.7 | 34.6 | 37.8 | 37.0 | | |
| Nitrogen Dioxide as NO ₂ | $\mu a / m^3$ | 0855555000 FWH | 80 | 30.2 | 29.9 | 32.0 | 33,5 | | |
| | 7.3 / /// | (Part-6) | X | 25.5 | 25.2 | 32.8 | 26.0 | | |
| | | | 7 241 | 39.6 | 31.9 | 37.5 38.4 | 30.1 | | |
| | | | | | | | | | |
| A | | | | 43.0 | 36.5 | 38.4 | 37.6 | | |
| Average Value PM ₁₀ | μg / m³ | | | 79.3 | 74.7 | 78.1 | 76.8 | | |

SHIBESHW Digitally signed by SHIBESHWAR PRASAD Date: 2022.12.17 1:12:53 +05'30'

Verified by : Technical Manager

PM_{2.5}

SO₂

NO₂



Shreyasee Prasad

39.6

13.8

36.4

Digitally signed by Shreyasee Prasad Date: 2022.12.17 11:20:11 +05'30'

38.0

12.6

33.8

Authorized Signatory Quality Manager

- END OF 1ES

 $\mu g / m^3$

 $\mu g / m^3$

 $\mu g / m^3$

This report applies only to sample tested as above.

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 Test Report endorsed only the tests and not the product certificate.

4. Test Report can not be reproduced partially or full for legal/court purpose without written permission of the leaboratory.

Contact us:

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Mob.: +918676886249; +919431047908

Email:

sthpatnal@vahoo.co.in . info@shayatest.com

40.7

12.9

35.3

38.0

13.6

33.0

Website: www.shivatest.com: www.shivatesthouse.com





SHIVA TEST HOUSE



(Serving size a 1988)

RECOGINSED AS ENVIRONMENTAL LABORATORY BY MOEFCC, GOVY JI INDIA, UNDER ENVIRONMENT (PROTECTION) ACT 1986, DEPTT. OF INDUSTRY, FORESTS & ENVIRONMENT, GOVT. OF BRAR AND BIHAR STATE POLLUTION CONTROL BOARD

TEST REPORT

| Ref. No. STH/TR/22- | -23/3187 | Dt: 09.11.2022 | Y | our Work Or | ler No. 8917 | Dt: 17 | 7.01.2021 | | | |
|--|---------------------|----------------------|--------------------|------------------------------------|--|-------------------------------------|------------------------------|--|--|--|
| [a] Name and address of | f the Custon | ner | | M/s Hari P.O.: Ha | neral Manager nagar Sugar M rinagar PARAN – 845 103 | ills | | | | |
| [b] Details of Sample | | | | Monitor | Monitoring of Ambient Air Quality | | | | | |
| c] Sample Collected by | | EST HOUSE on | | | | | | | | |
| dl Sampling Location | | remises of Sug | | | | | | | | |
| | | Part - 14) | ar man | | | | | | | |
| e] Method of Sampling | | | Tu | V. 1 07 | | | | | | |
| f] Sampling Environme | Temp. (| | Humidity (| %) 67 | | | | | | |
| g] Details of Sample Co | ontainer (No | Filter Pa | per; Glass Im | pinger | | | | | | |
| h] Instrument ID | | RDS-1, RD | S-2, RDS-3, RDS-4, | FPM-1, FPM-2, FF | PM-3, FPM-4 | | | | | |
| il Sample Quantity | 30 ml x | 24 (for each N | O2. SO2) | | | | | | | |
| Sample Condition or | Fit for A | | | | | | | | | |
| k Items required to be | | contract | | | | | | | | |
| Whether any specific the customer | | Test has been s | suggestad | | COMMENT | | | | | |
| [m] Date of receiving the | eamnle in l | aboratory | | 15 10 2 | 15.10.22 | | | | | |
| | | | | | 15.10.22 / 17.10.22 | | | | | |
| [n] Analysis Start Date | Analysis C | ompletion Date | | 1 15.10.2 | | | | | | |
| 2 | | | Linen ac | | Sampling Station / Result | | | | | |
| Parameters | Unit | Method of Test | NAALS 2099 | Near Guest House (SC_A-3187) | Near E.T.P (SC_A- 3188) | Near Workshop (SC_A- 3189) | Near STP (SC_A-3190 | | | |
| | | | | 88.0 | 80.8 | 86.6 | 82.9 | | | |
| Particulate Matter (PM ₁₀) | μg / m ³ | IS 5182 (Part- | 200 | 69.8 | 66.0 | 66.0 | 64 9 | | | |
| A CONTRACTOR OF THE CONTRACTOR | | 23) | | 77.7 | 73.3 | 79.5 | 77.3 | | | |
| fa . | | СРСВ | | 46.7 | 40.3 | 44.9 | 43.5 | | | |
| Particulate Matter (PM25) | μg / m³ | GMAAP | 60 | 34.4 | 31.5 | 29.9 | 34.8 | | | |
| | | 0.117.11 | | 39.3 | 37.8 | 38.6 | 39,8 | | | |
| | | | | 17.7 | 25.8 | 14.8 | 15.6 | | | |
| | | 10 5400 /D-H | | 11.7 | 11.2 | 9.1 | 10.6 | | | |
| Sulphur Dioxide as SO ₂ | µg/m³ | IS 5182 (Part- | 95 | 9.4 | 18.9 | 13.8 | 15.6 | | | |
| Table 1 Annual Control of the Contro | | 2) | | 13.5 | 8.1 | 10.1 | 8.5 19.8 | | | |
| | | | | 14.9 | 8.1 | 9.1 | 0.5 | | | |
| | | - | | 41.1 | 31.0 | 39.5 | 11.7 | | | |
| | | | | 527.7 | W 500000 | 7/2/20 | 38.3 | | | |
| | | | | 30.1 | | | | | | |
| | | IS 5182 /Post | | 39.1 | 29 6 | 41.1 | 55-55317 | | | |
| Nitrogen Dioxide as NO ₂ | μ g / m³ | IS 5182 (Part- | 80 | 26.2 | 30.4 | 26.8 | 31.2 | | | |
| Nitrogen Dioxide as NO ₂ | μg/m³ | IS 5182 (Part- 6) | 80 | 26.2 25.3 | 30.4 41.3 | 26.8 26.7 | 31.2 31.1 | | | |
| Nitrogen Dioxide as NO ₂ | μ g / m³ | | 80 | 26.2 | 30.4 | 26.8 | 31.2 31.1 28.3 | | | |
| | μg/m³ | | 20 | 26.2 25.3 29.0 | 30.4 41.3 33.1 | 26.8 26.7 29.1 | 31.2 31.1 | | | |
| | μg / m³ | | 80 | 26.2 25.3 29.0 | 30.4 41.3 33.1 | 26.8 26.7 29.1 | 31.2 31.1 28.3 | | | |
| Avarage Value PM ₁₀ | | | 80 | 26.2 25.3 29.0 34.0 | 30.4 41.3 33.1 34.5 | 26.8 26.7 29.1 24.0 | 31.2 31.1 28.3 33.3 | | | |
| Average Value | μg / m³ | | 80 | 26.2 25.3 29.0 34.0 | 30.4 41.3 33.1 34.5 | 26.8 26.7 29.1 24.0 | 31.2 31.1 28.3 33.3 | | | |

SHIBESHW AR PRASAD Date: 2022.11.09 15:04:43 +05'30'

Digitally signed by SHIBESHWAR PRASAD

Verified by: Technical Manager



Shreyasee Prasad

Digitally signed by Shreyasee Prasad Date: 2022.11.09 15:08:04 +05'30'

Authorized Signatory Quality Manager

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