

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB)

ISO 9001:2015, ISO 45001: 2018 and ISO 14001: 2015 Certified Company

| | TEST R | EPORT | | | |
|--|--|------------------------------------|---------------------------------------|-------------------|--------|
| Test Report No: - | GESEC/PRO/AAQM/2022-23 | /11/856 | Report Date | 28/11/202 | 2 |
| Sample ID: - | GESEC/PRO/AAQM/2022-23 | /11/856 | Report Date | 20/11/202 | |
| Name & Address of the Customer | M/s. Rajarambapu Patil S.S.k Post – Sakharale, Tal: Walwa | | ite: Maharashtr | a. | |
| The state of the s | Ambient Air S | ample Details | | | |
| Туре | Samplin | Sampling | done by | | |
| Ambient Air | Near M | lain Gate | | GESI | EC |
| | Samplin | ng Time | · · · · · · · · · · · · · · · · · · · | | |
| Start Time | Stop | Time | | Total | Hrs. |
| 09:30 A.M | 05:0 | 00 P.M | | 480 N | ∕lin |
| | Metrological Data/Env | ironmental Cond | itions | | |
| Ambient Temperature °C | 23.0 | Wet Bulb Temperature °C | | 17.0 | |
| Dry Bulb Temperature °C | 23.0 | Relative Humidity % RH | | 54.6 | |
| Date of Sampling | Sample Receipt Date | Analysis Start Date | | Analysis End Date | |
| 21/11/2022 | 22/11/2022 | 23/11/2022 | | 28/11/2022 | |
| Name Of Instrument | Fine Dust Sampler | Date Of Calibration | | 19/10/2022 | |
| Calibration Certificate No. | SSEC/FF/1524 | Due Date of | Calibration | 18/10/2023 | |
| Parameters | Method | | Unit | NAAQ Standards | Result |
| Particulate Matter (PM ₁₀) | IS:5182 (PART 4):2 | 2019 | μg/m³ | 100.00 | 63.36 |
| Particulate Matter (PM _{2.5}) | IS:5182 (PART 24): | | μg/m³ | 60.00 | 23.05 |
| Sulphur Dioxide (SO ₂) | IS:5182 (PART 2):2 | | μg/m³ | 80.00 | 17.91 |
| Oxides of Nitrogen(NO _x) | IS:5182 (PART 6):2 | 2018 | μg/m³ | 80.00 | 21.84 |
| Carbon Monoxide (CO) | MASA-822 3rd Ed | ition | mg/m³ | 4.00 | 0.20 |
| Ozone(O3) | Method 411, Air Sampling and Analy | rsis 3 rd Edition ,2013 | μg/m³ | 180.00 | 30.69 |
| Ammonia(NH3) | Method 401, Air Sampling and Analy | rsis 3 rd Edition ,2013 | μg/m³ | 400.00 | 8.25 |
| Benzene(C6H6) | IS 5182 (Part 11) :2006 | (RA 2017) | μg/m³ | 5.00 | BDL |
| Benzo(a)Pyrene(BaP) | CPCB Manual Vol 1 | | ng/m³ | 1.00 | BDL |
| Arsenic(As) | MASA-822 3rd Ed | ition | ng/m³ | 6.00 | BDL |
| Nickel(Ni) | MASA-822 3rd Ed | ition | ng/m³ | 20.00 | BDL |
| Lead (Pb) | MASA-822 3rd Ed | ition | μg/m³ | 1.00 | BDL |

Remark

All above results are within NAAQ (National Ambient Air Quality) standards. GREEN

BDL - Below Detectable Limit.

***END OF REPORT

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MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6.



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| | TEST | REPORT | | | |
|---|-----------------------------|-------------------------|-------------------|--------------------------|---------|
| Test Report No: - | GESEC/PRO/AAQM/2022-2 | 3/11/857 | | | |
| Sample ID: - | GESEC/PRO/AAQM/2022-2 | | Report Date | 28/11/2022 | |
| | | | | | |
| Name & Address of the | M/s. Rajarambapu Patil S.S | .K. Ltd., Unit No | o. I | | |
| Customer | Post – Sakharale, Tal: Walw | a, Dist.: Sangli, | State: Maharashtr | a. | |
| | Amhient Air | Sample Details | | | |
| Туре | | | | | |
| Ambient Air | | ng Location | Section 1 | Sampling | done by |
| Ambient Air | Near Sugar Hou | | Gate | GES | EC _ |
| Shout Time | | ing Time | | | |
| Start Time | Stop Time | | | Total Hrs. | |
| 09:40 A.M | 10:40 A.M | | | 60 Min | |
| | Metrological Data/En | vironmental Co | nditions | | MARK BA |
| Ambient Temperature oc | 23.0 | Wet Bulb Temperature oc | | 17. | .0 |
| Dry Bulb Temperature oc | 23.0 | Relative Humidity % RH | | 54.6 | |
| Date of Sampling | | | | | |
| | Sample Receipt Date | Analysi | s Start Date | Analysis End Date | |
| 21/11/2022 | 22/11/2022 | 23/: | 11/2022 | 28/11/2022 | |
| Name of Instrument | High Volume Sampler | Date Of | Calibration | | |
| Calibration Certificate No. | SSEC/FF/1528 | | of Calibration | 19/10/2022 18/10/2023 | |
| | | Due Date | or campration | 18/10/ | 2023 |
| Parameters | Method | | Unit | NAAQ | Result |
| Particulate Matter (PM ₁₀) | IS:5192 /DART 4). | 2010 | μg/cum | Standards | |
| Particulate Matter (PM _{2.5}) | IS:5182 (PART 4): | | | 100.00 | 66.13 |
| Sulphur Dioxide (SO ₂) | IS:5182 (PART 24): | | μg/cum | 60.00 | 26.10 |
| Oxides of Nitrogen(NO _x) | IS:5182 (PART 2): | THE RELIGIO | μg/cum | 80.00 | 18.25 |
| Remark:- | IS:5182 (PART 6):2 | 2018 | μg/cum | 80.00 | 25.62 |

All above results are within NAAQ (National Ambient Air Quality) standards.

END OF REPORT

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| | TEST | REPORT | | | |
|-----------------------------|-----------------------------|--------------------------|-------------------------------------|---------------------|---------|
| Test Report No: - | GESEC/PRO/AAQM/2022-2 | 3/11/858 | | | |
| Sample ID: - | GESEC/PRO/AAQM/2022-2 | 3/11/858 | Report Date | 28/11/2022 | |
| | | | | N 140 | |
| Name & Address of the | M/s. Rajarambapu Patil S.S. | K. Ltd., Unit No. | 1 | | |
| Customer | Post – Sakharale, Tal: Walw | a, Dist.: Sangli, S | tate: Maharasht | ra. | |
| | | | | | |
| Туре | | Sample Details | ¥: | | |
| Ambient Air | | ng Location | | Sampling | done by |
| Ambient Air | Near C | Cane Yard | | TANKS TO STANKS | SEC |
| Ch T | Sampli | ng Time | | JL. | |
| Start Time | Sto | p Time | | T | 11 |
| 09:55 A.M | 10:55 A.M | | | Total Hrs. | |
| | Metrological Data/Env | ironmental Con | ditions | 60 1 | Min |
| Ambient Temperature oc | 24.0 | Wet Bulb Temperature oc | | 4.7 | |
| Dry Bulb Temperature oc | 24.0 | Relative Humidity % RH | | 17.0 | |
| | | Helative Hamilatty 78 KH | | 49.2 | |
| Date of Sampling | Sample Receipt Date | Analysis | Start Date | | |
| 21/11/2022 | 22/11/2022 | | /2022 | Analysis End Date | |
| | | 23/11 | 72022 | 28/11/ | 2022 |
| Name of Instrument | Respirable Dust Sampler | Date Of C | alibration | 10/10/ | 2000 |
| Calibration Certificate No. | SSEC/FF/1525 | Due Date of | TO THE TAX A SECURITY OF THE PARTY. | 19/10/ 18/10/ | |
| | | | | 18/10/ | 2023 |
| Parameters | Method | | Unit | NAAQ | Resul |
| Particulate Matter (PM10) | IS:5182 (PART 4):20 | 019 | μg/cum | Standards 100.00 | 62.26 |
| articulate Matter (PM2.5) | IS:5182 (PART 24):2 | | μg/cum | | 63.36 |
| ulphur Dioxide (SO₂) | IS:5182 (PART 2):20 | | μg/cum | 60.00 | 16.24 |
| oxides of Nitrogen (NOx) | IS:5182 (PART 6):20 | | | 80.00 | 18.05 |
| temark:- | 10.0102 (FART 6):20 |)10 | μg/cum | 80.00 | 21.77 |

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| | TEST | REPORT | | | |
|---|-------------------------------|------------------------|--------------------|----------------|-----------|
| Test Report No: - | GESEC/PRO/AAQM/2022-2 | 23/11/859 | | | |
| Sample ID: - | GESEC/PRO/AAQM/2022-2 | 3/11/950 | Report Date | 28/11/2 | 022 |
| | 2 | | | -0/11/2 | 022 |
| Name & Address of the | M/s. Rajarambapu Patil S.S | K. Itd. Unit N | 0.1 | | |
| Customer | Post – Sakharale, Tal: Walw | /a. Dist : Sangli | Ctator Mala | | |
| | | ay Dioth Sungil | , state: Manarasht | ra. | |
| | Ambient Air | Sample Details | | | |
| Туре | | ng Location | | | |
| Ambient Air | | & Country Liqu | | Samplin | g done by |
| | | | ior | GE | SEC |
| Start Time | | ng Time | | | |
| 10:10 A.M | Stop Time | | | Total Hrs. | |
| | Motrological Day (| 60 Min | | | |
| Ambient Temperature oc | Metrological Data/Env 24.0 | ironmental Co | nditions | | |
| Dry Bulb Temperature oc | 24.0 | | emperature oc | 17.0 | |
| | 24.0 | Relative Humidity % RH | | 49 | 0.2 |
| Date of Sampling | Sample Receipt Date | | | | |
| 21/11/2022 | | | Start Date | Analysis End D | |
| | 22/11/2022 | 23/1 | 1/2022 | 28/11/2022 | |
| Name Of Instrument | High Volume Combined | | | | |
| | Sampler | Date Of | Calibration | 19/10/ | /2022 |
| Calibration Certificate No. | SSEC/FF/1526 | Due Date o | of Calibration | | |
| | | Due Date (| n Calibration | 18/10/ | 2023 |
| Parameters | Method | | | NAAQ | |
| Particulate Matter (PM10) | | | Unit | Standards | Result |
| Particulate Matter (PM _{2.5}) | IS:5182 (PART 4):20 | | μg/cum | 100.00 | 60.83 |
| ulphur Dioxide (SO ₂) | IS:5182 (PART 24):2 | | μg/cum | 60.00 | 21.45 |
| Oxides of Nitrogen(NO _x) | IS:5182 (PART 2):20 | | μg/cum | 80.00 | 14.91 |
| Remark:- | IS:5182 (PART 6):20 | 018 | μg/cum | 80.00 | 18.02 |
| 534 | e within NAAQ (National Ambie | | | 30.00 | 18.02 |

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| | TEST REPO | RT | | | |
|------------------------------------|-----------------------------|-----------------------------------|----------------|-----------------------|--|
| Test Report No | GESEC/PRO/ST/2022-23/11 | Report Date | 28/11/2022 | | |
| Sample ID - | GESEC/PRO/ST/2022-23/11/860 | | | | |
| Name & Address of the Customer | M/s. Rajarambapu Patil S.S. | .K. Ltd., Unit No. I | | | |
| - Control Control Control | Post – Sakharale, Tal: Walw | a, Dist.: Sangli, Stat | e: Maharashtr | a. | |
| i i | Sample Det | | | | |
| Sample collection Date | Sample receipt Date | Analysis star | t Date | Analysis complete Dat | |
| 21/11/2022 | 22/11/2022 | 23/11/20 | | 28/11/2022 | |
| | Instrument De | etails | | 20/11/2022 | |
| Name Of Instrument | Stack Monitoring Kit | Date Of Calibration | | 17/10/2022 | |
| Calibration Certificate No. | SEC/TH/57 | SEC/TH/57 Due Date of Calibration | | | |
| | Stack Detai | ls | | | |
| Stack No/ID | Stack At | tached to | | Sampling done by | |
| 01 | Co-gen B | | GESEC | | |
| Shape | Round | Fuel Use | d | Bagasse | |
| Diameter/ Dimensions (m) | 3.00 | Pressure | | 3.00 | |
| Height (m) | | 65 M | | 0.00 | |
| Temperature (°C) | 120 | Velocity (m | n/s) | 7.53 | |
| Gas Volume (Nm³/Hr) | | 145431.14 | | 7.55 | |
| | | | | | |
| Parameters | Method | Unit | Limit | Result | |
| Suspended Particulate Matter (SPM) | IS 11255 (Part 1) 2019 | mg/Nm³ | 150 | 35.23 | |
| ulphur Dioxide (SO₂) | IS 11255 (Part 2) 2019 | mg/Nm³ | - I T. I I - I | 29.65 | |
| | | Kg/day - | | 103.49 | |

Maharashtra Pollution Control Board (MPCB) Limits SO2: As per consent. UNENVIROS PR

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| | TEST REPO | RT | | |
|------------------------------------|--|---|--------------|----------------------|
| Test Report No | GESEC/PRO/ST/2022-23/11/861 Report Date | | | 28/11/2022 |
| Sample ID - | GESEC/PRO/ST/2022-23/11 | /861 | Dute | |
| | | | | |
| Name & Address of the Customer | M/s. Rajarambapu Patil S.S. Post – Sakharale, Tal: Walw | K. Ltd., Unit No. I a, Dist.: Sangli, Stat | e: Maharasht | ra. |
| | Sample Deta | | | |
| Sample collection Date | Sample receipt Date | Analysis star | t Date | Analysis complete Da |
| 21/11/2022 | 22/11/2022 | 23/11/20 | | 28/11/2022 |
| | Instrument De | | | 20/11/2022 |
| Name Of Instrument | Stack Monitoring Kit | Date Of Calibration | | 17/10/2022 |
| Calibration Certificate No. | SEC/TH/57 | Due Date of Ca | libration | 16/10/2023 |
| et.Hete | Stack Detai | | 7. 7. | 10/10/2023 |
| Stack No/ID | Stack At | tached to | | Sampling done by |
| 02 | D.G. Stack- | GESEC | | |
| Shape | Round | Fuel Use | d | Diesel |
| Diameter/ Dimensions (m) | 0.30 | Pressure | 1.00 | |
| Height (m) | | 8.0 M | | 1.00 |
| Temperature (°C) | 55 | Velocity (m | 2/6) | 2.44 |
| Gas Volume (Nm³/Hr) | | 795.95 | 1/5/ | 3.44 |
| | | 733.33 | | |
| Parameters | Method | Unit | Limit | Result |
| Suspended Particulate Matter (SPM) | IS 11255 (Part 1) 2019 | mg/Nm³ | 150 | 12.66 |
| ulphur Dioxide (SO ₂) | IS 11255 (Part 2) 2019 | mg/Nm³ | - | 6.94 |
| | Kg/day | | - | 00.13 |

Maharashtra Pollution Control Board (MPCB) Limits SO2: As per consent.

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| | TEST REP | ORT | | |
|---|---|------------------------------|--------------------|------------------------------|
| Test Report No: - | GESEC/PRO/ANLM/2022-2 | 23/11/862 | | - |
| Sample ID: - | GESEC/PRO/ANLM/2022-23/11/862 Report Date | | | 28/11/2022 |
| | | | | 477 |
| Name & Address of the Customer | M/s. Rajarambapu Patil S. | S.K. Ltd., Unit No. I | 22 | |
| | Post – Sakharale, Tal: Wal | wa, Dist.: Sangli, Stat | te: Maharashtra. | |
| | Ambient Noise S | ample Detella | | |
| Туре | Ambient Noise | ample Details | | |
| Sampling done by | GESEC | | | |
| Standard method | As Per IS: 9989:2020 | | | |
| | | | | |
| Date of Sampling | Sample Receipt Date | Analysis | Start Date | |
| 21/11/2022 | 22/11/2022 | 23/11/2022 | | Analysis End Dat |
| | | 23/1 | 28/11/2022 | |
| Name Of Instrument | Digital Sound Level Meter | Date Of | Calibration | 17/10/2022 |
| Calibration Certificate No. | SSEC/ME/266 | Due Date of Calibration | | 17/10/2022 |
| | | Due Date | or campration | 16/10/2023 |
| Test Location | Unit | Average Noise Level Readings | | CPCB Standards dB(A) |
| ear Main Gate | | Day (12.40 P.M) | Night (10.30 P.M.) | 35(71) |
| | dB(A) | 60.2 | 55.7 | During Day time |
| ear Sugar House & Liquor Gate | dB(A) | 63.8 | 57.2 | During Day time 75 dB (A) |
| ear Cane Yard | dB(A) | 72.5 | 66.3 | During Night time |
| ear Distillery & Country Liquor | dB(A) | 69.5 | 65.4 | 70 dB(A) |
| emark- ➤ Centre Pollution Control Board | | | | |

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| | TES | ST REPORT | | | |
|--------------------------------|---|--|----------------------------|------------------------|--|
| Test Report No: - | GESEC/PRO/WNLM/ | 2022-23/11/863 | | | |
| Sample ID: - | GESEC/PRO/WNLM/2022-23/11/863 Report Date | | | 28/11/2022 | |
| | • | | | | |
| Name & Address of the Customer | M/s. Rajarambapu P Post – Sakharale, Tal | atil S.S.K. Ltd., Unit No Walwa, Dist.: Sangli, S | . I State: Maharashtra. | 10 E | |
| | Work Zone | Noise Sample Details | | | |
| Туре | Work Zone Noise | Jample Details | | | |
| Sampling done by | GESEC | | | | |
| Standard method | As Per IS: 9989:2020 | | | - x | |
| | | | | | |
| Date of Sampling | Sample Receipt Date | Analysis | Analysis Start Date | | |
| 21/11/2022 | 22/11/2022 | | 23/11/2022 | | |
| | | 23/1 | 23/11/2022 | | |
| Name of Instrument | Sound Level Mete | Date | f Calibration | 07/10/2022 | |
| Calibration Certificate No. | SSEC/ME/259 | | Due Date of Calibration | | |
| | | Duc Date | or campration | 06/10/2023 | |
| Test Location | Unit | Average Noise | Level Readings | The Factories Act 1948 | |
| Sugar House | | Day (01.20 P.M) | Night (11.15 P.M.) | standards | |
| coiling House | dB(A) | 79.2 | 75.8 | | |
| Aill House (Fabrizer) | dB(A) | 81.6 | 76.4 | _ | |
| ermentation area | dB(A) | 83.4 | 81.1 | | |
| istillation Area | dB(A) | 76.4 | 72.5 | ≤ 90 | |
| iquor Plant | dB(A) | 86.1 | 85.2 | | |
| emark- | dB(A) | 72.3 | 72.0 | | |

All above results are within Factories Act 1948 Standards.

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| | REPORT | | | |
|---|-------------------|-------------|---------------------------------------|--|
| Test Report No: GESEC/PRO/WW/2022-23/11/864 | Report D | ate | 28/11/2022 | |
| Sample ID : GESEC/PRO/WW/2022-23/11/864 | Sample [| Details | CPU Inlet | |
| | Type of S | ample | | |
| | | Of Sample | Sugar Effluent | |
| | Sample S | | 1 Lit plastic bottle | |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I | Sample C | ollected By | Sealed | |
| Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: Maharashtra | Date of S | | GESEC | |
| , and ourigh, state. Manarashtra | Collection | | 21/11/2022 | |
| | Sample R | eceipt Date | 22/11/2022 | |
| | Analysis s | tart Date | 23/11/2022 | |
| | Analysis End Date | | 28/11/2022 | |
| | | | . , | |
| Parameters pH | Results | Unit | Standard Method | |
| Temperature Temperature | 3.00 | - | APHA 4500 H+,B 23rd Edition.2017 | |
| | 30.5 | °C | APHA 2550 | |
| Colour | 8.52 | Hazen | IS 3025 (Part 4) : 1983 | |
| Total Suspended Solid (TSS) | 180.62 | mg/lit | | |
| Total Dissolved Solids (TDS) | | | APHA 2540 D 23 rd ED:2017 | |
| Chemical Oxygen Demand (COD) | 2012.63 | mg/lit | APHA 2540,C,23rd Edition, 201 | |
| Biochemical Oxygen Demand (BOD) | 2956.84 | mg/lit | IS 3025 (Part 58), 2019 | |
| Dil & Grease | 1148.95 | mg/lit | IS 3025 (Part 44), 2019 | |
| | BDL | mg/lit | IS 3025 (Part 39), 2019 | |
| chlorides as Cl | 652.81 | mg/lit | APHA 4500 Cl- B,23rd Edition, 2017 | |
| ulphates as SO ₄ | | | | |

END OF REPORT

Consultant

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| | | TEST REPORT | | | |
|---|--------------|------------------------------|-----------------------------|--|--|
| Test Report No: GESEC/PRO/WW/ | | Report Date | 28/11/2022 | | |
| Sample ID: GESEC/PRO/WW/202 | 2-23/11/865 | Sample Details | | CPU Outlet | |
| | | Type of Sample | | Waste Water | |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: Maharashtra. | | Volume Of Sample | | 1 Lit plastic bottle | |
| | | Sample Status | | Sealed | |
| | | Sample Collected By | | GESEC | |
| | | Date of Sample Collection | | 21/11/2022 | |
| | | Sample Receipt Date | | 22/11/2022 | |
| | | Analysis start Date | Analysis start Date 23/11/2 | | |
| | | Analysis End Date | | 28/11/2022 | |
| Parameters | Results | | | | |
| Н | Results | MPCB Limit | Unit | Standard Method | |
| Temperature | 7.25 | 5.5 -9.0 | | APHA 4500 H+,B 23rd Edition.2017 | |
| | 26.0 | - | °C | APHA 2550 | |
| Colour | BDL | 150 | Hazen | IS 3025 (Part 4) : 1983 | |
| Total Suspended Solid (TSS) | 35.20 | | mg/lit | APHA 2540 D 23 rd ED:201 | |
| Total Dissolved Solids (TDS) | 369.41 | 2100 | mg/lit | APHA 2540,C,23rd Edition 2017 | |
| Chemical Oxygen Demand (COD) | 45.71 | 250 | mg/lit | IS 3025 (Part 58) , 2019 | |
| | | 3,000 | | .5 5025 (1 811 56) , 2019 | |
| Biochemical Oxygen Demand (BOD) | 18.95 | 100 | mg/lit | IS 3025 (Part 44), 2019 | |
| Biochemical Oxygen Demand BOD) Dil & Grease | 18.95 BDL | | CHO. | IS 3025 (Part 44), 2019 | |
| BOD) | | 100 10 600 | mg/lit mg/lit | IS 3025 (Part 44), 2019 IS 3025 (Part 39), 2019 APHA 4500 CI- B,23rd Edition, 2017 | |

- BDL Below Detectable Limit.
- All parameters are within the MPCB limit.

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| | TEST REPORT | | | | |
|---|---------------------------|--------|--------------------------------------|--|--|
| Test Report No: GESEC/PRO/WW/2022-23/11/866 | Report Dat | te | 28/11/2022 | | |
| Sample ID : GESEC/PRO/WW/2022-23/11/866 | Sample Details | | ETP Inlet | | |
| | Type of Sai | mple | Sugar Effluent | | |
| | Volume Of Sample | | 1 Lit plastic bottle | | |
| M/s Pajaramhanu Patil s s v v v | Sample Sta | tus | Sealed | | |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: | Sample Col | | GESEC | | |
| Maharashtra. | Date of San Collection | -77: | 21/11/2022 | | |
| | Sample Rec | | 22/11/2022 | | |
| | Analysis sta | | 23/11/2022 | | |
| | Analysis En | d Date | 28/11/2022 | | |
| Parameters | Results | Unit | Standard Method | | |
| DH . | 3.50 | | | | |
| emperature | 26.4 | °C | APHA 4500 H+,B 23rd Edition.2017 | | |
| Colour | 13.00 | Hazen | APHA 2550 | | |
| otal Suspended Solid (TSS) | 145.86 | | IS 3025 (Part 4): 1983 | | |
| otal Dissolved Solids (TDS) | | mg/lit | APHA 2540 D 23 rd ED:2017 | | |
| hemical Oxygen Demand (COD) | 2845.01 | mg/lit | APHA 2540,C,23rd Edition, 2017 | | |
| iochemical Oxygen Demand (BOD) | 3014.77 | mg/lit | IS 3025 (Part 58), 2019 | | |
| il & Grease | 1345.92 | mg/lit | IS 3025 (Part 44), 2019 | | |
| hlorides as Cl ⁻ | 13.00 | mg/lit | IS 3025 (Part 39), 2019 | | |
| | 910.51 | mg/lit | APHA 4500 Cl- B,23rd Edition, 2017 | | |
| Ilphates as SO ₄ | 824.03 | mg/lit | APHA 3025 (Part 24) ;2019 | | |
| emark(s): > BDL: Below Detectable Limit | REN ENVIA | Pool | (dit 24),2013 | | |
| Engine | PUNE Consultant | PEE PI | Mr. Vinod Hande | | |

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| | | TEST REPORT | | |
|---|-----------|------------------------------|----------------|---------------------------------------|
| Test Report No: GESEC/PRO/WW/2 | | Report Date | | 28/11/2022 |
| Sample ID: GESEC/PRO/WW/2022- | 23/11/867 | Sample Details | | ETP Outlet |
| | | Type of Sample | | Waste Water |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: Maharashtra. | | Volume Of Sample | | 1 Lit plastic bottle |
| | | Sample Status | Sealed | |
| | | Sample Collected By | | GESEC |
| | | Date of Sample Collection | Date of Sample | |
| | | Sample Receipt Date | | 22/11/2022 |
| | | Analysis start Date | | 23/11/2022 |
| | | Analysis End Date | | 28/11/2022 |
| Parameters | Results | MPCB Limit | | ν, |
| рН | | IVIPCB LIMIT | Unit | Standard Method |
| | 7.52 | 5.5 -9.0 | | APHA 4500 H+,B 23rd |
| Temperature | 25.4 | | 0.0 | Edition.2017 |
| Colour | HOST GROW | - | °C | APHA 2550 |
| Total Suspended Solid (TSS) | BDL | 150 | Hazen | IS 3025 (Part 4): 1983 |
| | 38.41 | | mg/lit | APHA 2540 D 23 rd ED:2017 |
| Total Dissolved Solids (TDS) | 846.70 | 2100 | mg/lit | APHA 2540,C,23rd Edition 2017 |
| Chemical Oxygen Demand (COD) | 135.20 | 250 | mg/lit | IS 3025 (Part 58), 2019 |
| Biochemical Oxygen Demand (BOD) | 48.77 | 100 | mg/lit | IS 3025 (Part 44), 2019 |
| Oil & Grease | BDL | 10 | Vie T | S A S DIFFER NEW COLO |
| Chlorides as Cl | | 10 | mg/lit | IS 3025 (Part 39), 2019 |
| Sulphates as SO ₄ | 165.24 | 600 | mg/lit | APHA 4500 Cl- B,23rd Edition, 2017 |
| Remark(s): | 127.89 | 1000 | mg/lit | APHA 3025 (Part 24) ;2019 |

- BDL Below Detectable Limit.
- All parameters are within the MPCB limit.

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| Total Description | | TEST F | REPORT | | | |
|--|--------------|-----------|---------------------|--|---|--|
| Test Report No - GESEC/PRO/SO/2022 | 2-23/11/868 | Date of | Reporting | | 28/11/2022 | |
| Sample ID - GESEC/PRO/SO/2022-23/11/868 | | Sample | | | Solid | |
| | | Type of | Sample | | Compost Sample analysis | |
| | | Volume | Of Sample | | 2 Lit | |
| M/s. Rajarambapu Patil S.S.K. Ltd., Uni | it No. I | Sample | | | Sealed | |
| Post – Sakharale, Tal: Walwa, Dist.: Sar | ngli. State: | | Collected By | | GESEC | |
| Maharashtra. | 0 , | | Sample Coll | | 21/11/2022 22/11/2022 | |
| | | | Sample rece | ived in lab | | |
| | | | start Date | | 23/11/2022 | |
| | | Analysis | End Date | | 28/11/2022 | |
| | | | | | | |
| | Co | mpost San | nple Analysi | S | | |
| | | | MPCB | | | |
| Parameter | Result | Unit(s) | Compost Standard | | Standard Method | |
| pH | 7.55 | | | IC | 2720 (Port 26) P | |
| Organic Carbon | 23.75 | % | 20.0-25.0 | | 2720 (Part 26) Rev.2 :2016 | |
| Organic Matter | 40.85 | % | | | IS 2720 (Part 22) : 2020 IS 2720 (Part 22) : 2020 | |
| Total Volatile solids | 31.20 | % | | | Method 8265 | |
| Total Solids | 81.97 | % | | | Method 1684 | |
| Ash content | 12.44 | % | | Method 1884 Methods Manual, Soil Testing In India | | |
| | | | | (Department of Agriculture | | |
| Moisture content | 32.18 | % | < 35.0 | | IS 2720 (Part 11) : 2016 | |
| Nitrogen | 1.80 | % | 1.5-2.0 | | ds Manual, Soil Testing In India | |
| | | | | | epartment of Agriculture | |
| Potassium as K | 2.53 | % | 2.0-3.5 | | ds Manual, Soil Testing In India | |
| Dhannhau | | | | | epartment of Agriculture | |
| Phosphorus | 1.74 | % | 1.5-2.0 | | ds Manual, Soil Testing In India | |
| Copper | | | | | epartment of Agriculture | |
| соррег | 0.05 | % | '- | | ls Manual, Soil Testing In India | |
| | | | | (Departme | ent of Agriculture & Cooperations | |
| | | | | Ministry Of A | gri. Government of India 17 B Page | |
| ron | 1.05 | % | | Mathad | No. 107:2011 | |
| | | /3 | | (Departmo | ls Manual, Soil Testing In India ent of Agriculture & Cooperations | |
| | | 7. | 5.5 | Ministry Of A | gri. Government of India 17 B Page | |
| | | | 7, | | No. 107:2011 | |
| Manganese | 0.16 | % | | Method | s Manual, Soil Testing In India | |
| | | A-40.A | | (Departme | nt of Agriculture & Cooperations | |
| | | | | Ministry Of A | gri. Government of India 17 B Page | |
| F1 92 | | | > - | and the | No. 107:2011 | |
| Magnesium | 0.18 | % | | Method | s Manual, Soil Testing In India | |

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Methods Manual, Soil Testing In India (Department of Agriculture & Cooperations Ministry Of Agri. Government of India 17 B Page No. 104:2011



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| Molybdenum | 0.07 | % | | Methods Manual, Soil Testing In India (Department of Agriculture & Cooperations Ministry Of Agri. Government of India 17 B Page |
|------------------------------|-------|-----|--------|---|
| Sodium | 0.10 | | - | No. 118:2011 |
| Down | 0.10 | % | | Methods Manual, Soil Testing In India (Department of Agriculture |
| Boron | 0.06 | % | 0 | Methods Manual, Soil Testing In India |
| Chloride | 3.81 | 0.0 | - | (Department of Agriculture |
| | | % | | Soil Chemical Analysis By M L Jackson |
| Sulphates as SO ₄ | 2.50 | % | | Methods Manual, Soil Testing In India (Department of Agriculture |
| Calcium as Ca | 5.24 | % | | |
| C/N Ratio | 12.47 | | . 17.0 | IS 2720 (Part 23) : 2020 |
| Remark (S) : | 12.47 | | < 17.0 | Methods Manual, Soil Testing In India (Department of Agriculture |

> All parameters are within the MPCB limit.

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0.33

BDL

7.11

| 1 → 1 × 20 → 1 × 20 × 20 × 20 × 20 × 20 × 20 × 20 × | TEST REPORT | |
|---|--------------------------------------|--------------------------|
| Test Report No - GESEC/PRO/W/2022-23/11/869 | Date of Reporting | 28/11/2022 |
| Sample ID - GESEC/PRO/W/2022-23/11/869 | Sample Details | 28/11/2022 |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I | | Bore Well Water (Factory |
| Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: | Type of Sample | Ground Water |
| Maharashtra. | | |
| | Volume Of Sample | 2 Lit |
| | Sample Status | Sealed |
| | Sample Collected By | GESEC |
| | Date of Sample Collection | 21/11/2022 |
| | Date of Sample received in lab | 22/11/2022 |
| | Analysis start Date | 23/11/2022 |
| | Analysis End Date Open Well Sample 1 | 28/11/2022 |

MPCB Parameter Result Unit(s) Irrigation Standard Method Standards 7.74 6.5 - 9.0APHA 4500, 23rd Edition:2017 Total Ammonical Nitrogen 2.36 mg/lit <50.0 APHA 4500 NH3-NO,23rd Edition:2017 Chlorides (CI) 49.20 mg/lit <600.0 APHA 4500 Cl- B,23rd Edition, 2017 Sulphates (SO₄) 25.48 mg/lit <1000.0 IS:3025 Part-24:2019 Zinc (Zn)

<5.0

<30.0

<150.0

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& Consultan

mg/lit

mg/lit

mg/lit

Remark(s):

C.O.D.

B.O.D. (5 days 20°C)

рН

BDL - Below Detectable Limit.

MPCB Irrigation Standards: Maharashtra Pollution Control Board Water Quality Standards For Best Designated Usages (Fit for Agriculture, Industrial cooling & process water)

The above Ground Water can be used for irrigation purpose.

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IS: 3025 Part-02 (2004)

IS 3025 (Part 44), 2019

IS 3025 (Part 58), 2019

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| | TEST REPORT | |
|---|--------------------------------|-----------------------|
| Test Report No - GESEC/PRO/W/2022-23/11/870 | Date of Reporting | 28/11/2022 |
| Sample ID - GESEC/PRO/W/2022-23/11/870 | Sample Details | Bore Well Water (Mane |
| | Type of Sample | Ground Water |
| NA/- P-1 | Volume Of Sample | 2 Lit |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I | Sample Status | Sealed |
| Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: Maharashtra. | Sample Collected By | GESEC |
| widharashtra. | Date of Sample Collection | 21/11/2022 |
| | Date of Sample received in lab | 22/11/2022 |
| | Analysis start Date | 23/11/2022 |
| | Analysis End Date | 28/11/2022 |

| | | Jen wen San | ipie 2 | |
|--|---------------------------------------|--|------------------------------------|---|
| Parameter | Result | Unit(s) | MPCB Irrigation Standards | Standard Method |
| рН | 7.52 | 22 | 6.5 -9.0 | APHA 4500, 23 rd Edition:2017 |
| | 2.30 | mg/lit | | |
| | 52.11 | | | |
| Sulphates (SO ₄) | 28.85 | 0. | | |
| | | | <1000.0 | IS:3025 Part-24:2019 |
| | 0.03 | mg/lit | <5.0 | IS: 3025 Part-02 (2004) |
| | BDL | mg/lit | <30.0 | |
| | 6.24 | mg/lit | <150.0 | |
| Total Ammonical Nitrogen Chlorides (Cl) Sulphates (SO ₄) Zinc (Zn) B.O.D. (5 days 20°C) C.O.D. | 2.30 52.11 28.85 0.03 BDL | mg/lit mg/lit mg/lit mg/lit mg/lit mg/lit mg/lit | <50.0 <600.0 <1000.0 <5.0 | APHA 4500, 23 rd Edition:2017 APHA 4500 NH3-NO,23 rd Edition:20 APHA 4500 Cl- B,23rd Edition, 20 IS:3025 Part-24:2019 IS: 3025 Part-02 (2004) IS 3025 (Part 44), 2019 IS 3025 (Part 58), 2019 |

Remark(s):

- BDL Below Detectable Limit.
- MPCB Irrigation Standards: Maharashtra Pollution Control Board Water Quality Standards For Best Designated Usages (Fit for Agriculture, Industrial cooling & process water)

The above Ground Water can be used for irrigation purpose. SEN ENVIO

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| | TEST REPORT | |
|---|--------------------------------|------------------------|
| Test Report No - GESEC/PRO/W/2022-23/11/871 | Date of Reporting | 28/11/2022 |
| Sample ID - GESEC/PRO/W/2022-23/11/871 | Sample Details | Bore Well Water (Patil |
| | Type of Sample | Ground Water |
| | Volume Of Sample | 2 Lit |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I | Sample Status | Sealed |
| Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: Maharashtra. | Sample Collected By | GESEC |
| wanarashtra. | Date of Sample Collection | 21/11/2022 |
| | Date of Sample received in lab | 22/11/2022 |
| | Analysis start Date | 23/11/2022 |
| | Analysis End Date | 28/11/2022 |

| Parameter | Result | Unit(s) | MPCB Irrigation Standards | Standard Method |
|------------------------------|--------|---------|---------------------------------|--|
| рН | 7.02 | | 6.5 -9.0 | APHA 4500, 23 rd Edition:2017 |
| Total Ammonical Nitrogen | 78.98 | mg/lit | <50.0 | APHA 4500 NH3-NO,23 rd Edition:2017 |
| Chlorides (CI) | 41.01 | mg/lit | CC 1601 SH | |
| Sulphates (SO ₄) | | | <600.0 | APHA 4500 Cl- B,23rd Edition, 2017 |
| | 19.52 | mg/lit | <1000.0 | IS:3025 Part-24:2019 |
| Zinc (Zn) | 0.06 | mg/lit | <5.0 | IS: 3025 Part-02 (2004) |
| B.O.D. (5 days 20°C) | BDL | mg/lit | <30.0 | |
| C.O.D. | 8 21 | mg/lit | 4150.0 | IS 3025 (Part 44) , 2019 |

mg/lit

8.21

Remark(s):

- BDL Below Detectable Limit.
- MPCB Irrigation Standards: Maharashtra Pollution Control Board Water Quality Standards For Best Designated Usages (Fit for Agriculture, Industrial cooling & process water)

The above Ground Water can be used for irrigation purpose.

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<150.0

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IS 3025 (Part 58), 2019

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| | TEST REPORT | |
|---|--------------------------------|------------------------------|
| Test Report No - GESEC/PRO/W/2022-23/11/872 | Date of Reporting | 28/11/2022 |
| Sample ID - GESEC/PRO/W/2022-23/11/872 | Sample Details | Bore Well Water (Wategaonkar |
| | Type of Sample | Ground Water |
| M/s Paisson by D. W. S. W. S. W. | Volume Of Sample | 2 Lit |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I | Sample Status | Sealed |
| Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: Maharashtra. | Sample Collected By | GESEC |
| wianiai asiiti a. | Date of Sample Collection | 21/11/2022 |
| | Date of Sample received in lab | 22/11/2022 |
| | Analysis start Date | 23/11/2022 |
| | Analysis End Date | 28/11/2022 |

| | | Per vecti Suit | ipic z | |
|------------------------------|--------|----------------|---------------------------------|--|
| Parameter | Result | Unit(s) | MPCB Irrigation Standards | Standard Method |
| pH | 7.38 | | 6.5 -9.0 | APHA 4500, 23 rd Edition:2017 |
| Total Ammonical Nitrogen | 1.55 | mg/lit | <50.0 | |
| Chlorides (CI) | 78.94 | 0. | | APHA 4500 NH3-NO,23 rd Edition:2017 |
| Sulphates (SO ₄) | | mg/lit | <600.0 | APHA 4500 Cl- B,23rd Edition, 2017 |
| | 36.01 | mg/lit | <1000.0 | IS:3025 Part-24:2019 |
| Zinc (Zn) | 0.08 | mg/lit | <5.0 | |
| B.O.D. (5 days 20°C) | BDL | | | IS: 3025 Part-02 (2004) |
| C.O.D. | | mg/lit | <30.0 | IS 3025 (Part 44), 2019 |
| C.O.D. | 7.95 | mg/lit | <150.0 | IS 3025 (Part 58) 2019 |

Remark(s):

- BDL Below Detectable Limit.
- MPCB Irrigation Standards: Maharashtra Pollution Control Board Water Quality Standards For Best Designated Usages (Fit for Agriculture, Industrial cooling & process water)

The above Ground Water can be used for irrigation purpose.

S ENVIROR PUNE Te Consultant

Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By

END OF REPORT

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| T. A.B. | TEST REPORT | |
|--|--------------------------------|--------------------------------------|
| Test Report No - GESEC/PRO/W/2022-23/11/873 | Date of Reporting | 29/11/2022 |
| Sample ID - GESEC/PRO/W/2022-23/11/873 | Sample Details | 28/11/2022 Bore Well Water (More) |
| | Type of Sample | Ground Water |
| M/s Rajarambanu Batil C.C.K | Volume Of Sample | 2 Lit |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I | Sample Status | Sealed |
| Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: Maharashtra. | Sample Collected By | GESEC |
| The state of the s | Date of Sample Collection | 21/11/2022 |
| | Date of Sample received in lab | 22/11/2022 |
| | Analysis start Date | 23/11/2022 |
| | Analysis End Date | 28/11/2022 |
| | Open Well Sample 2 | 20/11/2022 |
| | | |

| Parameter | Result | Unit(s) | MPCB Irrigation Standards | Standard Method |
|------------------------------|--------|---------|---------------------------------|--|
| | 7.14 | | 6.5 -9.0 | APHA 4500, 23 rd Edition:2017 |
| Total Ammonical Nitrogen | 0.56 | mg/lit | <50.0 | APHA 4500 NH3-NO,23 rd Edition:2017 |
| Chlorides (CI) | 41.87 | mg/lit | <600.0 | APUA 4500 NH3-NO,23* Edition:2017 |
| Sulphates (SO ₄) | 15.94 | mg/lit | | APHA 4500 Cl- B,23rd Edition, 2017 |
| Zinc (Zn) | | | <1000.0 | IS:3025 Part-24:2019 |
| B.O.D. (5 days 20°C) | 0.02 | mg/lit | <5.0 | IS: 3025 Part-02 (2004) |
| | BDL | mg/lit | <30.0 | IS 3025 (Part 44) , 2019 |
| C.O.D. | 5.84 | mg/lit | <150.0 | |
| Remark(s): | | 0, | -20.0 | IS 3025 (Part 58) , 2019 |

- BDL Below Detectable Limit.
- MPCB Irrigation Standards: Maharashtra Pollution Control Board Water Quality Standards For Best Designated Usages (Fit A for Agriculture, Industrial cooling & process water)

The above Ground Water can be used for irrigation purpose.

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| TEST REPORT | |
|--------------------------------|--|
| Date of Reporting | 28/11/2022 |
| Sample Details | Bore Well Water (Dange) |
| Type of Sample | Ground Water |
| Volume Of Sample | 2 Lit |
| Sample Status | Sealed |
| Sample Collected By | GESEC |
| Date of Sample Collection | 21/11/2022 |
| Date of Sample received in lab | 22/11/2022 |
| | 23/11/2022 |
| | 28/11/2022 |
| | Date of Reporting Sample Details Type of Sample Volume Of Sample Sample Status Sample Collected By Date of Sample Collection |

| | | Jen Well Sall | ipie z | |
|------------------------------|--------|---------------|---------------------------------|--|
| Parameter | Result | Unit(s) | MPCB Irrigation Standards | Standard Method |
| pH Tatal A | 7.11 | | 6.5 -9.0 | APHA 4500, 23 rd Edition:2017 |
| Total Ammonical Nitrogen | 1.63 | mg/lit | <50.0 | APHA 4500 NH3-NO,23 rd Edition:2017 |
| Chlorides (CI) | 48.10 | mg/lit | <600.0 | APILA 4500 NH3-NO,23** Edition:2017 |
| Sulphates (SO ₄) | 19.52 | | | APHA 4500 Cl- B,23rd Edition, 2017 |
| Zinc (Zn) | | mg/lit | <1000.0 | IS:3025 Part-24:2019 |
| B.O.D. (5 days 20°C) | 0.06 | mg/lit | <5.0 | IS: 3025 Part-02 (2004) |
| | BDL | mg/lit | <30.0 | IS 3025 (Part 44) , 2019 |
| C.O.D. | 7.41 | mg/lit | <150.0 | |
| Remark(s): | | | 420.0 | IS 3025 (Part 58), 2019 |

Remark(s):

- BDL Below Detectable Limit.
- MPCB Irrigation Standards: Maharashtra Pollution Control Board Water Quality Standards For Best Designated Usages (Fit for Agriculture, Industrial cooling & process water)

The above Ground Water can be used for irrigation purpose.

GEN ENVIRON PUNE Consultant PV

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| Tost Bonort No. CECEO (Total | /=/= | TEST REPOR | Т | | | | | | |
|--|-------------------|--|-----------|--|--------------------|-----------------------|--|--|--------|
| Test Report No - GESEC/PRO | DW/2022-23/11/875 | Date of Repor | | 28/11/2022 | | | | | |
| Sample ID - GESEC/PRO/DW/2022-23/11/875 Name & Address of the Customer - M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I Post – Sakharale, Tal: Walwa, Dist.: Sangli, State: | | Sample Details Type of Sample Volume Of Sample | | Drinking Water Water 2 Lit | | | | | |
| | | | | | Maharashtra. | Dist.: Sangli, State: | Sample Status Sample Collected By Date of Sample Collection Date of Sample received in lab | | Sealed |
| | | | | | ividilai asiiti a. | | | | GESEC |
| | | 21/11/2022 | | | | | | | |
| | | 22/11/2022 | | | | | | | |
| | | Analysis start I | | 23/11/2022 | | | | | |
| | | Analysis End Date | | 28/11/2022 | | | | | |
| | | Major. | T/ | | | | | | |
| | WA | TER ANALYSIS R | EPORT | | | | | | |
| Parameter | Result | Limits as per ls 10500:2012 | Unit(s) | Standard Method | | | | | |
| - 1. iv. | | Physical Parame | ter | | | | | | |
| Turbidity | <0.1 | Max 1 | NTU | IS:3025(part10):2019 | | | | | |
| TDS | 115.95 | Max 500 | mg/l | IS :3025(part 16):2017 | | | | | |
| | C | hemical Parame | | 10 10 10 10 (part 10).2017 | | | | | |
| pH | 7.55 | 6.5 to 8.5 | | APHA 4500, 23 rd Edition:2017 | | | | | |
| Total Hardness | 49.62 | Max 200 | mg/l | IS:3025 Part-21:2019 | | | | | |
| Total Alkalinity | 15.30 | Max 200 | mg/l | IS:3025 Part-23:2019 | | | | | |
| Sulphate | 8.45 | Max 200 | mg/l | IS:3025 Part-24:2019 | | | | | |
| Residual Chlorine | BDL | Min 0.2 | mg/l | IS:3025(part 26):2019 | | | | | |
| Chloride | 9.41 | Max 250 | mg/l | IS:3025 Part-32:2019 | | | | | |
| Calcium (as Ca) | 14.90 | Max 75 | mg/l | IS:3025 Part-40:2019 | | | | | |
| Magnesium (as Mg) | 3.02 | Max 30 | mg/l | APHA 3500- Mg, B, 23 rd Edition:2017 | | | | | |
| | | lemental Analys | sis | Edition.2017 | | | | | |
| ron as Fe | <0.1 | Max 0.3 | mg/l | IS:3025(part 2):2019 | | | | | |
| I I PATE II | Micro | obiological Para | meter | 7,2013 | | | | | |
| Total Coliform | Absent | Absent | MPN/100ml | IS 1622:1981 | | | | | |
| E. coli. Remark(s): | Absent | Absent | per/100ml | IS 1622:1981 | | | | | |

- BDL Below Detectable Limit.
- All above results are well within MPCB Limit.
- For Total Coliform & E. coli. Absent can be consider as Zero [Refer IS: 1622 (R.A.1996), Table No.-4].

> The above water sample is Comply with required limit as per 10500:2012.

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| | TEST REPO | RT | |
|--|------------------------------|----------------------|---------------------------------------|
| Test Report No: GESEC/PRO/WW/2022-23/11/ | Report Date | 28/11/2022 | |
| Sample ID: GESEC/PRO/WW/2022-23/11/876 | | Sample Details | Raw Spent Wash |
| | Type of Sample | Sugar Effluent | |
| | Volume Of Sample | 1 Lit plastic bottle | |
| | Sample Status | Sealed | |
| M/s. Rajarambapu Patil S.S.K. Ltd., Unit No. I | Sample Collected By | GESEC | |
| Post – Sakharale, Tal: Walwa, Dist.: Sangli, Sta | Date of Sample Collection | 21/11/2022 | |
| | | Sample Receipt Date | 22/11/2022 |
| | Analysis start Date | | 23/11/2022 |
| | | Analysis End Date | 28/11/2022 |
| Parameters | Results | Unit | Standard Method |
| рН | 4.22 | - | APHA 4500 H+,B 23rd Edition.2017 |
| Temperature | 30.5 | οС | APHA 2550 |
| Total Suspended Solid (TSS) | 376.92 | mg/lit | APHA 2540 D 23 rd ED:201 |
| Total Dissolved Solids (TDS) | 65127.85 | | APHA 2540,C,23rd Edition 2017 |
| Total Solids (TS) | 65504.77 | mg/lit | IS: 3025 Part-17 (2006) |
| Total Volatile Solids (TS) | 16025.78 | mg/lit | APHA 2130 |
| Chemical Oxygen Demand (COD) | 215684.96 | | IS 3025 (Part 58) , 2019 |
| Biochemical Oxygen Demand (BOD) | 82417.30 | | IS 3025 (Part 44), 2019 |
| Dil & Grease | 310.47 | mg/lit | IS 3025 (Part 39), 2019 |
| hlorides as Cl ⁻ | 15241.92 | | APHA 4500 Cl- B,23rd Edition, 2017 |
| culphates as SO ₄ | | | |

BDL: Below detectable Limit

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