TRUALT BIOENERGY LIMITED

UNIT-3

Factory : Kallapur (S.K) Kanapur (S.K.) Village-587155 Taluk : Badami
Dist : Bagalkote, Karnataka(India) Email : mrn.dist@niranigroups.com

080-23256500-50
trualt@niranigroups.com
www.niranigroups.com
GSTIN-29AAICT5347A1ZB
CIN- U15400KA2021PLC145978

Ref: TBL-III/MOEF&CC/EC Comp./Distillery/2023-24 **Date: 25th April 2024**

To,

The Regional Office,

MOEF & CC,

Integrated Regional Office,

Kendriya Sadan, Bengaluru.

Sub: Reg. Submission of Half Yearly Compliance report for the EC.

Ref: EC No. IA-J-11011/312/2021-IA-II (I), Dated: 27.06.2023.

Dear Sir,

With respect to above cited subject, we hereby attached point wise half yearly EC compliance reports with photocopies of supporting documents for the period 01st October 2023 to 31st March 2024.

Kindly acknowledge receipt for the same.

Thanking You,

Yours Truly,

For TruAlt Bioenergy Limited Unit - III.

Trualt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

Authorized Signatory

CC to: Regional Officer, KSPCB, Sector – 07, Navnaagar- Bagalkote.

(Encl: Photocopies of supporting documents)

COMPLIANCE FOR THE CONDITIONS OF THE ENVIRONMENTAL CLEARANCE (EC)

For TruAlt Bioenergy Limited, Unit-III Kallapur SK, Badami-Taluk, Bagalkot-Dist.

New EC No: IA-J-11011/312/2021-IA-II (I); Dated: 27.06.2023.

<table>
<tr><th>Sl. No.</th><th>EC CONDITIONS</th><th>INDUSTRY COMPLIANCE</th></tr>
<tr><td>1.</td><td>This has reference to your online proposal No. IA/KA/IND2/293136/2022, dated 22nd November 2022 seeking bifurcation of the Distillery Unit from the integrated Sugar complex & Transfer of Distillery plant from M/S MRN Cane Power (India) Limited to M/S TruAlt Bioenergy Limited Unit – 3.</td><td>Industry Noted & Thanks.</td></tr>
<tr><td>2.</td><td>The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the proposed integrated expansion of sugar plant from 5,000 TCD to 10,000 TCD, Distillery unit from 65 to 400 KLPD using C-heavy molasses / B-heavy molasses/ sugar syrup/ grains as feed stock and a new Captive power plant capacity of 8 MW under Ethanol Blended with Petrol (EBP) program at Bagalkot, Karnataka by M/s MRN Cane Power (India) Limited.</td><td>Industry noted the granted production capacities.</td></tr>
<tr><td>3.</td><td>The current proposal is for bifurcation of the distillery plant from the existing Environmental Clearance no. IA-J-11011/312/2021-IA-II (I); Dated: 21.09.2021 and transfer of distillery plant in the name of M/S TruAlt Bioenergy Ltd. Unit-3, from M/S MRN Cane Power (India) Limited.</td><td>Industry Noted & Thanks.</td></tr>
<tr><td>4.</td><td>The project proponent has requested to amendment (Bifurcation of Distillery unit & Transfer of Distillery plant from M/S MRN Cane Power (India) Limited to TruAlt Bioenergy Limited Unit-3) in the EC the details are as under;
<table>
<tr><th>SL. NO.</th><th>Details of EC issued by MOEF & CC</th><th>To be revised/read as</th><th rowspan="2">INDUSTRY COMPLIANCE</th></tr>
<tr><td></td><td colspan="2">Bifurcation of Distillery unit & Transfer of Distillery plant from M/S MRN Cane Power (India) Limited to TruAlt Bioenergy Limited Unit-3</td></tr>
<tr><td>1.</td><td>This has reference to your online proposal No. IA/KA/IND2/222242/2021, dated 09th August 2021 for environmental clearance to the above mention project.</td><td>This has reference to online proposal no. IA/KA/IND2/293136/2022 for amendment in Environmental Clearance (EC Identification no. EC21A022KA158864) vide dated 21.09.2021.</td><td>Industry Noted & Thanks.</td></tr>
<tr><td>2.</td><td>The Ministry of Environment Forest & Climate change has examined the proposal for Environmental Clearance to the proposed integrated expansion of sugar plant from 5000 TCD to 10000 TCD, Distillery unit from 65 KLPD to 400 KLPD using C Heavy Molasses/B Heavy Molasses/ Sugar Syrup grain as feed stock and a new captive Power Plant capacity of 8 MW under Ethanol Blended with Petrol (EBP) program at Bagalkot Karnataka</td><td>The Ministry of Environment Forest & Climate change has examined the proposal for Environmental Clearance to the proposed expansion of Distillery unit from 65 KLPD to 400 KLPD using C Heavy Molasses/B Heavy Molasses/ Sugar Syrup grain as feed stock and a new captive Power Plant capacity of 8 MW under Ethanol Blended with Petrol (EBP) program at Bagalkot Karnataka by M/S TruAlt Bioenergy Limited Unit -3.</td><td>Industry Noted & Thanks.</td></tr>
</table></td></tr>
</table>

TruAlt Bioenergy Limited Unit-3 Kallapur (SK) 587 155 Distillery Division

<table>
<tr><td></td><td></td><td>by M/S MRN Cane Power (India) Limited.</td><td></td><td></td></tr>
<tr><td></td><td>3.</td><td>The project activities are covered under category 'A' of item (5g) Distilleries and (5j) Sugar industry of the schedule to the EIA, 2006 and requires appraisal at central level by the Sectorial Expert Appraisal Committee (EAC). The proposal has been submitted under the Ministries EIA Notification, 2006 amendment vide Notification no. S.O 345 (E) dated 17th January 2019 & extension given to vide notifications S.O 750 (E), dated 2nd March 2021. Accordingly, the proposal shall be appraised as category 'B2' project. It was informed that no litigation is pending against the proposal.</td><td>The project activities are covered under category A of item 5 (g) 'Distilleries' of the Schedule to the EIA, 2006 and requires appraisal at central level by the sectorial Expert Appraisal Committee (EAC). The Proposal has been submitted under the Ministry's EIA Notification, 2006 amendment vide Notification no. S.O. 345(E) dated 17th January 2019 & extensions given to it vide notifications S.O. 750(E) dated 17th February 2020, S.0 980(E) dated 2nd March, 2021. Accordingly, the proposal shall be appraised as category 'B2' project. It was informed that no litigation is pending against the proposal.</td><td>Industry noted & confirming there is no any litigation pending.</td></tr>
<tr><td></td><td>4.</td><td>Ministry had issued EC earlier vide letter No.1-11011/411/2014-IA II (I) dated 29.08.2016 to the existing project for setting up of integrated industry with Sugar unit of 5000 TCD, Co- generation Power Plant of 35 MW and Distillery unit of 65 KLD capacity in favour of M/s. MRN Cane Power (India) Limited. It was informed that no litigation is pending against the proposal.</td><td>Ministry had issued EC earlier vide letter No. J-11011/411/2014-IA II (I) dated 29.08.2016 to the existing project for setting up of integrated industry with d Distillery unit of 65 KLD capacity in favour of TruAlt Bioenergy Limited (Unit -3). It was informed that no litigation is pending against the proposal</td><td>Industry noted & confirming there is no any litigation pending.</td></tr>
<tr><td></td><td>5.</td><td>The details of products and capacities are as under
<table>
<tr><th>Sl.no.</th><th>Unit type</th><th>Existing Production</th><th>Proposed expansion</th><th>Scenario after Expansion</th></tr>
<tr><td>1.</td><td>Sugar Plant</td><td>5000 TCD</td><td>5000 TCD</td><td>10000 TCD Sugar Cane Crushing capacity</td></tr>
<tr><td>2.</td><td>Co-generation plant</td><td>35 MW</td><td>-</td><td>35 MW</td></tr>
<tr><td>3.</td><td>Distillery</td><td>65 KLD distillery unit Raw material is C-Heavy molasses</td><td>135 KLD distillery unit Raw material is C-Heavy molasses / B-Heavy molasses / Sugar syrup.</td><td>A. 200 KLPD Ethanol [OR] B.65 KLPD RS/ENA + 135 KLPD Ethanol using Raw material as C-Heavy molasses / B-Heavy molasses / sugar syrup</td></tr>
<tr><td>4.</td><td>Captive power attached to distillery</td><td></td><td>8 MW</td><td>Installed a new Captive Power Plant of 8 MW capacity</td></tr>
</table>
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<tr><td>2.</td><td>Captive power attached to distillery</td><td></td><td>8 MW</td><td>Installed a new Captive Power Plant of 8 MW capacity</td></tr>
</table>
</td><td>Industry noted the products and capacities as mentioned in table.

Industry obtained CFO for 10000 TCD sugar unit & 35 MW Co-generation.

Industry obtained CFE expansion for 400 KLPD Distillery and obtained CFO for first phase 200 KLPD distillery capacity.</td></tr>
</table>

TruAlt Bioenergy Limited Unit-3 Kallapur (SK) 587155 Distillery Division

6.	Existing land area is 503710 m^2 (124 Acres 19 Guntas) ; out of which land converted for industrial use is 412450 m^2 (101 Acres 37 Guntas) and remaining expansion shall be within the existing land available for industrial use. Industry has already developed greenbelt in an area of 33 % i.e., 137800 m^2 (34 Acres 02 Guntas) out of total area of the project.	Existing land area 503710 m2 (124 Acres 19 Guntas). Out of which Distillery is developed in an area of 12.65 Acres. Out of which, the green belt is 4.8 acres accounting for 37.94 % of the total area of the distillery. No. of Plantation to be planted - 2500 plants / Hectare = 4850 nos. Actual Plantation has been done =4000nos. Deficit is 850 nos., which will be planted by June, 2023.	The mentioned land area is being developed gradually as mentioned. Industry has planted 2490 no.s of plants in the month of June & July & August 2023.	
7.	The estimated Project cost is Rs.830.47 cores including existing investment of Rs.590.47 crores. Total capital cost earmarked towards environmental pollution control measures after expansion is Rs.41.92 crores and the recurring cost (operation and maintenance) shall be Rs. 0.93 crores per annum. Total employment shall be 372 persons as direct & 66 persons indirect after expansion. Industry proposes to allocate Rs. 2.4 crores towards Corporate Environment Responsibility.	The estimated project cost is Rs 361.88 crores including existing investment of Rs. 135.88 crores. Total capital cost earmarked towards environmental pollution control measures after expansion is Rs. 41.92 crores and the recurring cost (operation and maintenance) shall be Rs. 0.93 crores per annum. Total employment shall be shall be 372 persons as direct & 66 persons indirect after expansion.	Industry projected the actual cost of the project & CA certificate submitted during the application for CFO.	
8.	There are no national parks, wild life sanctuaries, Biosphere reserves, Tiger/Elephant reserves, wild life Corridors etc. within 10 km distance From the project site. River Malaprabha is Flowing at a distance of 6 km in south direction.	There are no national parks, wild life sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wild life Corridors etc. within 10 km distance from the project site. River Malaprabha is flowing at a distance of 6 km in South direction.	There is no national parks, wild life sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wild life Corridors etc. within 10 km distance from the project site. Water source for the industry is from Malprabha River.	There i
9.	As PUC is a B2 project baseline ambient air quality monitoring is not required. However, ambient air quality monitoring is carried out by the industry as per the conditions of the consent issued by KSPCB. The monitoring data during December 2020 indicate PM10 (86.02 ug/m3), PM2.5 (41.28 ug/m3), SO2 (6.74 ug/m3) and NOx (13.09 ug/m3) AAQ modeling study for point source	The monitoring data during December 2020 indicate PM10 (86.02 pg/m3), PM2.5 (41.28 pg/m3), SO2 (6.74 pg/m3)and NOX (13.09 pg/m3). AAQ modelling study for point source emissions indicates that the maximum incremental GLC safter the proposed project would be 3.58 pg/m3, 1.48pg/m3and.95 pg/m3 with respect to PM10, SO2 and NOx respectively. The resultant concentrations are within	Recent ambient air quality analysis report done by NABL accredited laboratory and submitted reports regularly to KSPCB-Bagalkote office. Recently submitted few reports attached as **Annexure-I.**	

Bharat Biogenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

	emissions indicates that the maximum incremental GLCs after the proposed project would be 3.58 ug/m3, 1.48 ug/m3 and 0.95 ug/m3 with respect to PM10, SO2 and NOx respectively. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).	the National Ambient Air Quality Standards (NAAQS).	
10.	Total Water requirement in Sugar, Co-Generation Plant and distillery unit is given in the Table below and fresh water shall be met from Malaprabha River: **(a) Fresh water requirement by Sugar & Co-Generation plant:** Sl. No. / Particular / Fresh Water in KLD / Recycled water in KLD / Total Water Requirement in KLD 1. / Sugar Plant of 10,000 TCD & Co-Gen Plant of 35 MW / 660 / 1710 / 2370 **(b) Fresh water requirement by Distillery Unit 200 KLPD & Captiv Power Plant of 8 MW:** Combination of production in 200 KLPD Distillery / Fresh Water (In KLD / KL/KL of Ethanol) / Recycled Water in KLD / Total Water Requirement in KLD 1 / Using C-Heavy Molasses / 702 / 3.51 / 1123 / 1825 2 / Using B-Heavy Molasses / 628 / 3.14 / 1201 / 1829 3 / Using sugar syrup / 473 / 2.37 / 1297 / 1770 **(c) Domestic Use** (Sugar & Co-gen plant: 10 KLD ; Distillery: 10 KLD) = 20 KLD **d) Gardening = 40 KLD** Domestic Sewage of 8 KLD from Sugar plant and 8.5 KLD from Distillery unit shall be treated in septic tank followed by soak pits. **In Sugar & Cogeneration Plant:** Excess condensate water generated from sugarcane process is 1166 KLD. The other effluents viz. process cooling tower blowdown of 770 KLD, Co-Gen cooling tower blowdown of 195 KLD, Boiler blowdown of 70 KLD and DM regenerated of 184 KLD shall be treated in Sugar plant CPU of 2400 KLD capacity. Treated water from CPU shall be reused for process makeup, Co-Gen CT makeup and remaining quantity along with sugar process effluent of 453 KLD treated in the sugar ETP of 1000 KLD capacity shall be used for greenbelt development and for agriculture on land of 22 acres of owned by the company director. **In Distillery Unit & Capacity Power Plant:** The raw spent wash of 2400 KLD (6 KL/KL of Alcohol) generated from C-Heavy / B-Heavy / Syrup	Total Water requirement in distillery unit is given in the Table below and fresh water shall be met from Malaprabha River: **(a) Fresh water requirement by Distillery & Captive power plant:** Combination of production in 200 KLPD Distillery / Fresh Water (In KLD / KL/KL of Ethanol) / Recycled Water in KLD / Total Water Requirement in KLD 1 / Using C-Heavy Molasses / 702 / 3.51 / 1123 / 1825 2 / Using B-Heavy Molasses / 628 / 3.14 / 1201 / 1829 3 / Using sugar syrup / 473 / 2.37 / 1297 / 1770 **(c) Domestic Use** (Sugar & Co-gen plant: 10 KLD ; Distillery: 10 KLD) = 20 KLD Domestic Sewage of 8.5 KLD from Distillery unit shall be treated in sewage treatment plant. In Distillery Unit & Captive Power Plant: The raw spent wash of 2400 KLD (6 kL/kL of Alcohol) generated from C-Heavy / B-Heavy / Syrup shall be stored in spent wash lagoons and shall be concentrated by evaporation in MEE. Concentrated Spent wash generated from distillery using C-Heavy Molasses shall be 713 KLD (1.78 kL/kL of Alcohol) or B-Heavy Molasses of 612 KLD (1.53 kL/kL of Alcohol) or Syrup of 408 KLD (1.02 kL/kL of Alcohol) and shall be used as fuel in the incineration boiler. Raw spent wash 2400 KLD (6 kL/kL of Alcohol) generated from distillery using grain as feedstock shall be treated in decanter and thin slop of 1448 KLD (3.62 kl/KL of Alcohol) shall be sent to drier to produce DDGS. Condensate from MEE and spent lees shall be treated along with other lean effluents viz., DM regenerate, boiler blowdown, cooling tower bleed, Lab washings, Scrubber in distillery CPU. The existing distillery CPU of 1470 KLD shall be upgraded to 2500 KLD capacity after	Industry obtained water withdrawal permission from irrigation department, Government of Karnataka and the required fresh water usage is restricted as mentioned in the table. Domestic Sewage will be treated in Septic Tank followed by Soak Pits, constructed as per standard design of IS 2470 Part-I & Part-II. Industry already constructed suitable treatment plants on higher capacities to treat all waste water and excess condensate generated from the industry. The treated effluent is being used for agriculture & green belt development. The treated excess condensate is being reused for process purpose and cooling tower makeup. Industry adopted Zero Liquid Discharge (ZLD) system in distillery unit by adopting MEE and Incineration Boiler. Process condensate will be treated in PCTP and recycled back to process and cooling tower makeup. Industry having 1470 KLD

		shall be stored in spent wash lagoons and shall be concentrated by Evaporation in MEE. Concentrated spent wash generated from distillery using C-Heavy molasses shall be 713 KLD (1.78 KL/KL of Alcohol) or B-Heavy Molasses of 612 KLD (1.53 KL/KL of Alcohol) or Syrup of 408 KLD (1.02 KL/KI of Alcohol) and shall be used as fuel in the incineration boiler. Raw spent wash 2400 KLD (6 KL/KL of Alcohol) generated from distillery using grain as feedstock shall be treated in decanter and thin slop of 1448 KLD (3.62 KL/KL of Alcohol) shall be sent to drier to produce DDGS. Condensate from MEE and spent lees shall be treated along with other lean effluents viz. DM regenerate, boiler blowdown, cooling tower bleed, lab washings and Scrubber in Distillery CPU. The existing distillery CPU OF 1470 KLD shall be upgraded to 2500 KLD capacity after expansion. The treated water from distillery CPU shall be recycled to process, cooling tower makeup and CO2 scrubber. ZLD concept shall be followed in distillery unit.	expansion. The treated water from distillery CPU shall be recycled to process, cooling tower makeup and CO2 scrubber. ZLD concept shall be followed in distillery unit	distillery CPU separately to treat condensate water, spent lees and other lean effluents. At present industry constructed 200 KLPD distillery as first phase, for this existing CPU is sufficient. For next phase of distillery expansion industry will construct one more CPU. Treated condensate water is being recycled back to process and cooling tower makeup. ZLD concept already adopted for existing capacity.
	11.	Power requirement after expansion shall be 16 MW and 4.5 MW for sugar plant and distillery unit respectively and shall be met from Co-Generation plant and Captive power plant. Existing unit has one 1250 kVA DG set and no DG set is proposed in expansion proposal. In the existing sugar plant, there is one 165 TPH Co-Gen Boiler using Bagasse as fuel with ESP and a stack of height 85 m as APC measure. For the distillery, one 52 TPH incinerator boiler using Concentrated spent wash supported with Bagasse as fuel is attached to Bag filter and a stack of height 85 m. Existing APC are sufficient for controlling the particulate emissions within the statutory limit of 115 mg/Nm3 even after expansion.	Power requirement after expansion shall be 16 MW For the distillery, one 52 TPH incinerator boiler using Concentrated spent wash supported with Bagasse as fuel is attached to Bag filter and a stack of height 85 m. Existing APC are sufficient for controlling the particulate emissions within the statutory limit of 115 mg/Nm3 even after expansion.	Industry adopted own power generation from sugar Co-Generation plant of 35 MW and from distillery captive power plant of 8 MW capacity. Suitable chimney height 85 m provided and ESP installed for 165 TPH and Bag Filter installed for 52 TPH as APC equipment. Emissions are within the limits prescribed by the Board. Emission analysis reports are being submitted to Regional Office regularly.

Triveni Engineering Limited Unit-3 * Kallapur (SK) 587155 * Distillery Division

<table>
<tr><td></td><td></td><td></td><td>Annexure - II</td></tr>
<tr><td>12.</td><td>Details of Process emissions generation and its management.</td><td>Details of Process emissions generation and its management: - CO2 from fermentation shall be recovered by a dedicated CO2 bottling plant.</td><td>Industry will be outsourced to recover CO2 from Fermentation process.</td></tr>
<tr><td>13.</td><td>Details of Solid waste/Hazardous waste generation and its management:
<table>
<tr><th>Solid waste</th><th>Quantity in T/Day</th><th>Mode of disposal</th></tr>
<tr><td>Bagasse Press mud</td><td>3200</td><td>Used as fuel in boilers.</td></tr>
<tr><td>Press mud</td><td>360</td><td>Raw material for composting.</td></tr>
<tr><td>Boiler ash — Co-gen</td><td>35-45</td><td rowspan="5">Boiler ash to be handed over to Fertilizer industry for value addition to fertilizer.

Used for Land filling.</td></tr>
<tr><td>Boiler ash — Distillery</td><td>35-45</td></tr>
<tr><td>Yeast Sludge</td><td>45-50</td></tr>
<tr><td>ETP Sludge</td><td>5-10</td></tr>
<tr><td>Lime Sludge</td><td>10-12</td></tr>
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<tr><td>ETP Sludge</td><td>5-10</td></tr>
<tr><td>Lime Sludge</td><td>10-12</td></tr>
</table></td><td>Industry will follow the handling and disposal of Solid waste & Hazardous Waste as specified in the table.</td></tr>
<tr><td>14.</td><td>Certified compliance report has been issued been issued by IRO, Bangalore vide File No. EP/12.1/2016-17/04/KAR/110 dated 19.01.2021 and found status of compliance to be 'Satisfactory.</td><td>Certified compliance report has been issued by IRO, Bangalore vide File No. EP/12.1/2016-17/04/KAR/110 dated 19.01.2021 and found status of compliance to be 'Satisfactory'.</td><td>Noted and Thanks.</td></tr>
<tr><td>15.</td><td>As per OM dated 16th June, 2021, PP has submitted self- certification in the form of affidavit declaring that the proposed expansion of 335 KLPD will be for manufacturing of fuel ethanol only.</td><td>As per OM dated 16th June, 2021, PP has submitted self-certification in the form of affidavit declaring that the proposed expansion of 335 KLPD will be for manufacturing of fuel ethanol only.</td><td>Agreed and Accepted the condition.</td></tr>
<tr><td>16.</td><td>The proposal was considered by the EAC in its 39th meeting held during 17th18th August, 2021 in the Ministry, wherein the project proponent and their consultant M/s. Samrakshan presented the EMP report as per the PFR. The Committee found the EMP report complying with the PFR and recommended the project for grant of environmental clearance</td><td>The proposal was considered by the EAC in its 39th meeting held during 17th18th August, 2021 in the Ministry, wherein the project proponent and their consultant M/s. Samrakshan presented the EMP report as per the PFR. The Committee found the ENIP report complying with the PFR and recommended the project for grant of environmental clearance.</td><td>Noted and Thanks.</td></tr>
<tr><td>17.</td><td>The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures</td><td>The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with EIA/EMP report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent. The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures</td><td>Agreed the condition.</td></tr>
</table>

	are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.	are true to the best of his knowledge and belief and no information has been suppressed in the EIA/ENIP report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.	
18.	The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of environmental clearance.	The Committee has also deliberated on the CER plan and found to be addressing the issues in the study area. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the commendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of environmental clearance.	Noted and Thanks for recommendations.
19.	The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution Act,1981,as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.	The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.	Industry will obtain all necessary permissions as per Water (Prevention and control of pollution) Act, 1974 and the Air (prevention and Control of pollution) Act, 1981 from time to time from the concern authority. Industry now obtained CFO with expanded capacity of 200 KLD.
20.	Based on the proposal submitted by the project proponentand recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for project proposed integrated expansion of	Based on the proposal submitted by the project proponentand recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for project proposed expansion, Distillery	The granted expansion production capacities noted.

Truali Bioenergy Limited Unit-2 * Distillery Division * Kallapur (SK) 587 155

	sugar plant from 5,000 TCD to 10,000 TCD, Distillery unit from 65 KLPD to 400 KLPD using C-heavy molasses /B- heavy molasses / sugar syrup /grains as feedstock and a new Captive power plant capacity of 8 MW under Ethanol blended with Petrol (EBP) program at Bagalkot, Karnataka by M/s MRN Cane Power (India) Limited, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under: -	unit from 65 KLPD to 400 KLPD using C-heavy molasses /B- heavy molasses / sugar syrup /grains as feedstock and a new Captive power plant capacity of 8 MW under Ethanol blended with Petrol (EBP) program at Bagalkot, Karnataka by M/s TruAlt Bioenergy Limited (Unit 3), under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under: -	
	A. Specific condition: (i) As per OM dated 16th June, 2021, project falls in category B2 and the proposed additional capacity of 335 KLPD shall be only be used for fuel ethanol manufacturing as per self-certification in form of an affidavit by the Project Proponent	**A. Specific condition:** (i) As per OM dated 16th June, 2021, project falls in category B2 and the proposed additional capacity of 335 KLPD shall be only be used for fuel ethanol manufacturing as per self-certification in form of an affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.	Industry implemented as per the conditions mentioned in EC.
	(ii) The company shall comply with all the environmental protection measures and safeguards Proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	(ii) The company shall comply with all the environmental protection measures and safeguards Proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	Industry comply all the conditions and will be implemented as committed on paper.
	(iii) The project proponent will treat and reuse the treated water within the integrated industry and no waste or treated water shall be discharged outside the premises.	(iii) The project proponent will treat and reuse the treated water within the integrated industry and no waste or treated water shall be discharged outside the premises.	Industry adopted well designed ETP and CPU to treat wastewater and condensate generated from the industry. The treated effluent will be used for Agriculture & Gardening purpose and treated condensate water will be reused for process and cooling tower makeup within the premises. Industry made all efforts to reduce fresh water

		(iv) Total fresh water requirement for the integrated industry shall not exceed be 2124 KLPD which shall be met from Malaprabha river. Prior permission shall be obtained from the concerned regulatory authority/Irrigation division in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises. Rainwater shall be collected in storage ponds and utilized for plant activities. Ground water monitoring shall be done regularly and report is to be submitted to concerned authorities regularly. (v) The spent wash shall be concentrated by evaporation in MEE and and shall be used as fuel In the incineration boiler.	(iv) Total fresh water requirement for the integrated industry shall not exceed be 2124 KLPD which shall be met from Malaprabha river. Prior permission shall be obtained from the concerned regulatory authority/Irrigation division in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises. Rainwater shall be collected in storage ponds and utilized for plant activities. Ground water monitoring shall be done regularly and report is to be submitted to concerned authorities regularly. (v) The spent wash shall be concentrated by evaporation in MEE and and shall be used as fuel In the incineration boiler.	intake from river to process and total fresh water will not exceed 2124 KLPD. Industry taken prior permission from irrigation department for fresh water withdrawal from Malaprabha river. Industry already made rain water harvesting system and same water is being collected in pond and reusing for industry process purpose. The generated spent wash from distillery is being concentrated through MEE and the concentrated thick slop will be used in existing 52 TPH incineration Boiler as fuel along with bagasse/coal.
		(vi) CO2 generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors. (Vii) Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers& employees shall be provided with required safety kits/mask for personal protection. (Viii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.	(vi) CO2 generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors. (Vii) Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers& employees shall be provided with required safety kits/mask for personal protection. (Viii) Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.	Industry will be outsourced to recover CO2 from Fermentation process. Industry conducting health checkup camps every year for all category workers and keeping records of individuals. PPE kits provided like safety Shoes, Goggles, Masks, Helmets, Ear plugs, etc. Industry every year conducting safety training from district fire station department with live demonstration in-front of employees.
		ix) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	ix) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Firefighting system and fire hydrant system adopted throughout the industry to mitigate fire if any. In-plant Training also provided to the workers. Industry obtained PESO license certificate from the concerned authority.
		(x) Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	(x) Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	Industry itself having incineration boiler to burn organic residues. ETP sludge, Yeast sludge, Boiler ash & other organic waste will be sold to IFFCO (South Indian Potash) fertilizer manufacturing company for value addition.

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		xi) The company shall undertake waste minimization measures as below (a) Nletering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	xi) The company shall undertake waste minimization measures as below (a) Nletering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.	(a) Flow meters installed in all inlet and outlet points to quantify the waste. (b) Waste water after treatment is being reused for irrigation and condensate water after RO is recycling back to process and cooling tower makeup. Bagasse is being used as fuel in Boilers. (c) In all final products filling is made automated to minimize spillages. (d) All fermenters are Fed batch type with closed vessels and CO2 will be recovered. (e) Steam vapor recovery system adopted in distillation and evaporation system. (f) Jet pressure cleaning is being used for equipment cleaning.
		(xii) The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. (xiii) As per the Ministry's OM dated 30.09.2020 superseding the OM dated regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds canters/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights,	(xii) The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. (xiii) As per the Ministry's OM dated 30.09.2020 superseding the OM dated regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds canters/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights,	Industry has already developed greenbelt min. 3 to 6 lines with 5 m width in an area of 33 % i.e., 04 Acres 08 Guntas out of total area of the project along the plant periphery. This unit belongs to TruAlt Bioenergy Ltd. group and having separate Foundation to take care of socioeconomic improvement in the surrounding villages. Paper cuttings on CER activities already submitted to Regional MOEF and Regional KSPCB offices.

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	battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed. (xiv) There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products as per CPCB norms and no parking to be allowed outside on public places.	battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed. (xiv) There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products as per CPCB norms and no parking to be allowed outside on public places.	Industry made separate parking area for Cane vehicles, raw material vehicles inside the plant premises. Industry will not allow no parking area & proper boards displayed at necessary places.
	(xv) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	xv) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Raw material storage in MS tanks with covered roof. Water Sprinkled/Sprayed on areas where material storage to avoid fugitive dust.
	(xvi) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue as discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online online continuous monitoring of effluent the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	(xvi) Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue as discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online online continuous monitoring of effluent the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Industry monitoring emissions and get analyzed through NABL accredited laboratory and found to be within norms. Effluent online continuous monitoring system installed and connected to CPCB and SPCB servers and giving consistent readings at actual. Flow meters and web camera also installed at slop inlet to incineration Boiler.
	(xvii) A separate Environmental Management cell (having qualified person with Environmental Science/Environmental Engineering/Specialization in the project area) equipped with full-fledged laboratory facilities shall up to carry out the Environment management and Monitoring functions.	(xvii) A separate Environmental Management cell (having qualified person with Environmental Science/Environmental Engineering/Specialization in the project area) equipped with full-fledged laboratory facilities shall up to carry out the Environment management and Monitoring functions.	Management recruited qualified Environmental Science personnel & made separate Environmental Management Cell. Industry already having a setup of well-equipped laboratory with modern instruments and apparatus to analyze the samples from treatment plant.
	B. General Conditions (i) No further expansion or modifications in the plant, other than mentioned in the EIA notification 2006 and its amendments shall be carried out without prior approval of the	**B. General Conditions** i) No further expansion or modifications in the plant, other than mentioned in the EIA notification 2006 and its amendments shall be carried out without prior approval of the Ministry of Environment, Forest	Industry adhered to EIA notifications and its amendments and will not deviate or alter in the project specifications without prior approval

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		Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA as applicable to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	of Ministry of Environment and Climate Change / SEIAA.
		(ii) The energy source for lighting purpose shall be preferably LED based or advanced having preference in energy conservation and environment betterment.	(ii) The energy source for lighting purpose shall be preferably LED based or advanced having preference in energy conservation and environment betterment.	Industry installed all lighting throughout the unit with LED based bulbs to save power consumption.
		(iii) The overall noise levels in and around the plant area shall be kept well within the standards providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all source of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	(iii) The overall noise levels in and around the plant area shall be kept well within the standards providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all source of noise generation. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Industry provided acoustic hoods, silencers and enclosures to all noise generating equipment and also provided PPE kit to the person nearby noise generating equipment. The industry always confirming the stipulated standard prescribed noise levels during day 75 dBA and night time 70 dBA. The ambient noise levels are within the limits, industry submitting monthly analysis reports on regular basis to Regional Office. **Annexure III**
		(iv) The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	(iv) The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Industry having separate foundation in the name of Nirani (MRN) Group Foundation to take care of socioeconomic improvement in the surrounding villages. Newspaper clippings on CER activities attached as **Annexure-IV.**
		(v) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State	(v) The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State	Industry already earmarked sufficient funds towards environmental management and pollution control measures and will not

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		Government along with the implementation schedule for all the conditions stipulated herein. The finds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose.	Government along with the implementation schedule for all the conditions stipulated herein. The finds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose.	divert the amount for any other purpose.
		(vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal.	(vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions/representations if any, were received while processing the proposal.	Copy of the EC circulated to Gram Panchayat, Zilla Parishad/ Municipal Corporation, Urban local body and to the local NGO.
		vii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC and six monthly compliance status report shall be posted on website of the company.	(vii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC and six monthly compliance status report shall be posted on website of the company.	Condition accepted and six monthly compliance report will be sent to State Pollution Board and also to Regional Office of MoEF&CC-Bengaluru.
		(viii)The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	(viii)The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	Environmental Statement for the financial year ending 31st March 2022 in Form-V submitted to KSPCB – Regional Office on 28th November 2022. Copy of the acknowledgement attached as **Annexure-V.**
		(ix) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular	(ix) The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at website of the Ministry and at https://parivesh.nic.in/. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular	Industry has already given advertisement on project accorded Environmental Clearance letter on two local newspapers (English & Kannada) within seven days from the date of receipt of the EC copy. Copy of the advertisement attached as **Annexure-VI.**

	language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry. (x) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project. (xi)The Environmental Clearance is granted subjected to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any as may be applicable to this project.	language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry. (x) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project. (xi)The Environmental Clearance is granted subjected to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any as may be applicable to this project.	Noted and Followed. Noted and Accepted.
21.	The Ministry reserves the right to stipulated additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of the above conditions is not found satisfactory.	The Ministry reserves the right to stipulated additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of the above conditions is not found satisfactory.	Condition Accepted.
22.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act 1986.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act 1986.	Agreed.
23.	Any appeal against this environmental clearance shall lie with the National Green Tribunal if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act 2010.	Any appeal against this environmental clearance shall lie with the National Green Tribunal if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act 2010.	Industry accepted the EC conditions, there is no objections.
24.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act 1974, the Air (Prevention & Control of Pollution) Act 1981, The Environment (Protection) Act 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act 1974, the Air (Prevention & Control of Pollution) Act 1981, The Environment (Protection) Act 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules	Noted the conditions.

	2016 and the Public Liability Insurance Act 1991 read with subsequent amendments therein.	2016 and the Public Liability Insurance Act 1991 read with subsequent amendments therein.	
25.	This issue with the approval of the competent authority.	This issue with the approval of the competent authority.	Accepted with Thanks.

5. The proposal was appraised by the Expert Appraisal Committee (Industry-2) in its meeting ID- IA/IND2/13394/28/11/2022 held during 28th-29th November, 2022 and EAC meeting (Meeting ID: IA/IND2/13410/21/12/2022) held on 21st —22nd December, 2022 respectively. The EAC, after detailed deliberations, recommended the amendment (Bifurcation Distillery Unit & Transfer of distillery plant from M/s. MRN Cane power (India) Limited to M/s. TruAlt Bioenergy Limited - Unit -3) in the existing EC with same validity period as mentioned in the EC letter as proposed by the project proponent subject to the following additional condition:

(i) PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	Noted and Followed.
(ii) Distillery unit- TruAlt Bioenergy Ltd (unit-3) occupies 12.65 Acres. Out of which, the green belt will be developed in 4.8 Acre accounting for 37.94 % of the total area of the distillery. • No. of Plantation to be planted @2500 plants / Hectare = 4850 nos • Actual Plantation done is 4000 nos. • Deficit of 850 nos trees to be planted. PP shall ensure that the Deficit in Plantation shall be made up during the 2023 monsoon.	The mentioned land area is already developed gradually as mentioned. Industry has planted 2490 no.s of plants in the month of June, July & August 2023.
(iii) Domestic sewage generated from the plant premises shall be treated in the sewage Treatment Plant.	Domestic Sewage will be treated in Septic Tank followed by Soak Pits, constructed as per standard design of IS 2470 Part-I & Part-II.
(iv) Existing Bagasse fired boilers shall meet the particulate matter emissions within the statutory limit of 50 mg/Nm^3. At no time, the emission shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Performance assessment of pollution control devices/ systems will be conducted annually.	Noted Followed % accepted the condition.
(v) Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area shall be set up. Sampling and trend analysis monitoring must be conducted on monthly basisand report submitted to SPCB and RO, MOEFCC. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and Total Dissolve Solids shall be monitored and report submitted to the Ministry's Regional Office.	Industry monitored on monthly & the reports attached as **Annexure VII.**
(vi) Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided.	Industry accepted & follow the condition. Industry already provided all internal roads with Tar.

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	Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment. (vii) Continuous online (24x7) monitoring system for stack emissions/effluent shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises. (viii) PP shall also comply with environmental conditions related to distillery unit stipulated in the Environment Clearance letter no. no 1- 11011/411/2014-IA II (I) dated 29.08.2016 has issued EC for establishment of 5000 TCD sugar plant, 65 KPPD Distillery and 35 MW Co-gen Power Plant.	Photographs attached as **Annexure VIII.** Industry already installed continuous online Monitoring System & connected to CPCB/KSPCB server.
6.	Based on the proposal submitted by the project proponent as mentioned at para 4 above and recommendations of the EAC (Ind-2) as per para 5 above, the Ministry of Environment, Forest and Climate Change hereby accords approval to the proposed amendment (Bifurcation of the Distillery Unit & Transfer of distillery plant from M/s. MRN Cane power (India) Limited to M/s. TruAlt Bioenergy Limited -Unit-3) in the Environmental Clearance granted by the Ministry vide letter no 1- 11011/312/2021-IA II(I) dated 21st September, 2021 for the Integrated expansion of sugar plant from 5,000 TCD to 10,000 TCD, Distillery unit from 65 KLPD to 400 KLPD using C- heavy molasses / B- heavy molasses / sugar syrup / grains as feedstock and a new Captive power plant capacity of 8 MW under Ethanol blended with Petrol (EBP) program located at Bagalkot, Karnataka by M/s. MRN Cane Power (India) Limited as per Ministry's notification no. SO 1832 (E) dated 21st April, 2023 for splitting and transferring existing EC to two or more legal persons during the validity period. However, all other general terms & conditions and validity as mentioned in EC vide file no. J-11011/312/2021-IA II(I) dated 21st September, 2021 shall remain unchanged.	Noted.
7.	This issues with the approval of the competent authority.	Noted

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

For **TruAlt Bioenergy Limited, Unit-III.**

Authorized Signatory

MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1st & 2nd Floor)
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 9945456764, 08392-255169
Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

TC- 4071

MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1.	**Name and Address of Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Name of the location**	:	**Near Distillery Gate**
3.	**Sample Collected By**	:	MSV Analytical Laboratories
4.	**Particulars of the sampling Equipments**	:	Sample collected with FDS GTI-131& RDS APM-460
5.	**Duration of Monitoring**	:	8 Hours
6.	**Date of Monitoring**	:	27.01.2024
7.	**Date of Sample Receipt**	:	28.01.2024
8.	**Sample Code**	:	3789
9.	**Analysis Starting Date**	:	28.01.2024
10.	**Analysis Completion Date**	:	31.01.2024
11.	**Report Issue Date**	:	31.01.2024
12.	**Sampling Protocol**	:	IS 5182: Part 14: 2019

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Ambient Air** **ULR No: TC407124000002414F**

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM_{10}	IS 5182(Part-23)	µg / m^3	78.13	100
2	Particulate Matter $PM_{2.5}$	IS 5182(Part-24)	µg / m^3	39.01	60
3	Sulphur Dioxide as SO_x	IS 5182(Part-2)	µg / m^3	6.78	80
4	Oxides of Nitrogen as NO_x	IS 5182(Part-6)	µg / m^3	13.50	80
5	Ammonia as NH_3	IS 5182(Part-25)	µg/m^3	3.96	400

INFERENCE	**As per NAAQS Standards,** **Report Status :- The analyzed values for above measured parameter are within the limits**

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report***

MSV ANALYTICAL LABORATORIES BALLARI

Note: 1.The results listed only to the tested samples & applicable parameters.
2. Water, Pollution & Environment & Food samples will be discarded after 10 days, Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports.

MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

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TC- 4071

MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1.	**Name and Address of Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Name of the location**	:	**Near Distillery CPU**
3.	**Sample Collected By**	:	MSV Analytical Laboratories
4.	**Particulars of the sampling Equipments**	:	Sample collected with FDS GTI-131& RDS APM-460
5.	**Duration of Monitoring**	:	8 Hours
6.	**Date of Monitoring**	:	27.01.2024
7.	**Date of Sample Receipt**	:	28.01.2024
8.	**Sample Code**	:	3790
9.	**Analysis Starting Date**	:	28.01.2024
10.	**Analysis Completion Date**	:	31.01.2024
11.	**Report Issue Date**	:	31.01.2024
12.	**Sampling Protocol**	:	IS 5182: Part 14: 2019

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Ambient Air** **ULR No: TC407124000002415F**

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM_{10}	IS 5182(Part-23)	µg / m³	71.44	100
2	Particulate Matter $PM_{2.5}$	IS 5182(Part-24)	µg / m³	29.60	60
3	Sulphur Dioxide as SO_x	IS 5182(Part-2)	µg / m³	5.31	80
4	Oxides of Nitrogen as NO_x	IS 5182(Part-6)	µg / m³	11.18	80
5	Ammonia as NH_3	IS 5182(Part-25)	µg/m³	4.50	400

INFERENCE	**As per NAAQS Standards,** **Report Status :- The analyzed values for above measured parameter are within the limits**

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***

MSV ANALYTICAL LABORATORIES BALLARI

Note: 1.The results listed only to the tested samples & applicable parameters.
2. Water, Pollution & Environment & Food samples will be discarded after 10 days, Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports

MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1st & 2nd Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 9945456764, 08392-255169

Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

TC- 4071

MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1.	**Name and Address of Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Name of the location**	:	**Near Distillation**
3.	**Sample Collected By**	:	MSV Analytical Laboratories
4.	**Particulars of the sampling Equipments**	:	Sample collected with FDS GTI-131& RDS APM-460
5.	**Duration of Monitoring**	:	8 Hours
6.	**Date of Monitoring**	:	27.01.2024
7.	**Date of Sample Receipt**	:	28.01.2024
8.	**Sample Code**	:	3791
9.	**Analysis Starting Date**	:	28.01.2024
10.	**Analysis Completion Date**	:	31.01.2024
11.	**Report Issue Date**	:	31.01.2024
12.	**Sampling Protocol**	:	IS 5182: Part 14: 2019

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Ambient Air** **ULR No: TC407124000002416F**

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM_{10}	IS 5182(Part-23)	µg / m^3	60.93	100
2	Particulate Matter $PM_{2.5}$	IS 5182(Part-24)	µg / m^3	20.58	60
3	Sulphur Dioxide as SO_x	IS 5182(Part-2)	µg / m^3	5.77	80
4	Oxides of Nitrogen as NO_x	IS 5182(Part-6)	µg / m^3	13.05	80
5	Ammonia as NH_3	IS 5182(Part-25)	µg/m^3	3.80	400

INFERENCE	**As per NAAQS Standards,** **Report Status :- The analyzed values for above measured parameter are within the limits**

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***

MSV ANALYTICAL LABORATORIES BALLARI

Note: 1.The results listed only to the tested samples & applicable parameters.
2. Water, Pollution & Environment & Food samples will be discarded after 10 days, Ores and minerals Filter papers & Thimbles will be discarded in 2 months from the date of issue of test reports

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MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1.	**Name and Address of Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Name of the location**	:	**Near Distillery Gate**
3.	**Sample Collected By**	:	MSV Analytical Laboratories
4.	**Particulars of the sampling Equipments**	:	Sample collected with FDS GTI-131& RDS APM-460
5.	**Duration of Monitoring**	:	8 Hours
6.	**Date of Monitoring**	:	30.03.2024
7.	**Date of Sample Receipt**	:	31.03.2024
8.	**Sample Code**	:	11557
9.	**Analysis Starting Date**	:	31.03.2024
10.	**Analysis Completion Date**	:	03.04.2024
11.	**Report Issue Date**	:	03.04.2024
12.	**Sampling Protocol**	:	IS 5182: Part 14: 2019

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Ambient Air** **ULR No: TC407124000007952F**

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM_{10}	IS 5182(Part-23)	µg / m^3	73.60	100
2	Particulate Matter $PM_{2.5}$	IS 5182(Part-24)	µg / m^3	31.95	60
3	Sulphur Dioxide as SO_x	IS 5182(Part-2)	µg / m^3	7.12	80
4	Oxides of Nitrogen as NO_x	IS 5182(Part-6)	µg / m^3	13.75	80
5	Ammonia as NH_3	IS 5182(Part-25)	µg/m^3	5.18	400

INFERENCE	**As per NAAQS Standards,** **Report Status :- The analyzed values for above measured parameter are within the limits**

Analysed by

Authorized Signatory

Hanumanthaiah. P
Technical Manager

-: END OF REPORT:-

MSV Analytical Laboratories BALLARI

Note: 1.The results listed only to the tested samples & applicable parameters.

MSV Analytical Laboratories

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ANALYSIS REPORT OF AMBIENT AIR QUALITY

1.	**Name and Address of Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Name of the location**	:	**Near Distillery CPU**
3.	**Sample Collected By**	:	MSV Analytical Laboratories
4.	**Particulars of the sampling Equipments**	:	Sample collected with FDS GTI-131& RDS APM-460
5.	**Duration of Monitoring**	:	8 Hours
6.	**Date of Monitoring**	:	30.03.2024
7.	**Date of Sample Receipt**	:	31.03.2024
8.	**Sample Code**	:	11558
9.	**Analysis Starting Date**	:	31.03.2024
10.	**Analysis Completion Date**	:	03.04.2024
11.	**Report Issue Date**	:	03.04.2024
12.	**Sampling Protocol**	:	IS 5182: Part 14: 2019

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Ambient Air** **ULR No: TC407124000007953F**

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM_{10}	IS 5182(Part-23)	µg / m^3	62.80	100
2	Particulate Matter $PM_{2.5}$	IS 5182(Part-24)	µg / m^3	21.64	60
3	Sulphur Dioxide as SO_x	IS 5182(Part-2)	µg / m^3	5.90	80
4	Oxides of Nitrogen as NO_x	IS 5182(Part-6)	µg / m^3	12.11	80
5	Ammonia as NH_3	IS 5182(Part-25)	µg/m^3	4.58	400

INFERENCE	**As per NAAQS Standards,** **Report Status :- The analyzed values for above measured parameter are within the limits**

Analysed by

Authorized Signatory

Hanumanthaiah. P
Technical Manager

-: END OF REPORT :-

Note: 1.The results listed only to the tested samples & applicable parameters.

MSV Analytical Laboratories

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MSVAL/AA/RF/01/00

ANALYSIS REPORT OF AMBIENT AIR QUALITY

1.	**Name and Address of Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Name of the location**	:	**Near Distillation**
3.	**Sample Collected By**	:	MSV Analytical Laboratories
4.	**Particulars of the sampling Equipments**	:	Sample collected with FDS GTI-131& RDS APM-460
5.	**Duration of Monitoring**	:	8 Hours
6.	**Date of Monitoring**	:	30.03.2024
7.	**Date of Sample Receipt**	:	31.03.2024
8.	**Sample Code**	:	11559
9.	**Analysis Starting Date**	:	31.03.2024
10.	**Analysis Completion Date**	:	03.04.2024
11.	**Report Issue Date**	:	03.04.2024
12.	**Sampling Protocol**	:	IS 5182: Part 14: 2019

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Ambient Air** **ULR No: TC407124000007954F**

S.No	Parameter	Protocols	Units	Result in Avg.	Standards
1	Particulate Matter PM_{10}	IS 5182(Part-23)	µg / m^3	55.29	100
2	Particulate Matter $PM_{2.5}$	IS 5182(Part-24)	µg / m^3	20.05	60
3	Sulphur Dioxide as SO_x	IS 5182(Part-2)	µg / m^3	5.30	80
4	Oxides of Nitrogen as NO_x	IS 5182(Part-6)	µg / m^3	11.47	80
5	Ammonia as NH_3	IS 5182(Part-25)	µg/m^3	4.06	400

INFERENCE	**As per NAAQS Standards,** **Report Status :- The analyzed values for above measured parameter are within the limits**

Analysed by

Authorized Signatory

Hanumanthaiah. P
Technical Manager

-: END OF REPORT :-

MSV Analytical Laboratories BALLARI

Note: 1.The results listed only to the tested samples & applicable parameters.

MSV Analytical Laboratories

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TC- 4071

MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1.	**Name and Address of the Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Stack ID**	:	**52 TPH Boiler**
3.	**Sample Collected By**	:	MSV Analytical Laboratories
4.	**Date of Monitoring**	:	27.01.2024
5.	**Date of Sample Receipt**	:	28.01.2024
6.	**Sample Code**	:	3792
7.	**Analysis Starting Date**	:	28.01.2024
8.	**Analysis Completion Date**	:	31.01.2024
9.	**Report Issue date**	:	31.01.2024

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Stack emission** **ULR No: TC407124000002417F**

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Thick Spent Wash+Bagasse
Ambient Temperature (^{0}C)	31
Stack Temperature (^{0}C)	128
Velocity (m/s)	8.21
Height (m)	85
Diameter (m)	2.15
Cross sectional area (m^2)	3.6321
Quantity of flue gas discharged into atmosphere (Nm^3/h)	81383.0

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm^3	49.20	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm^3	12.78	100
Nitrogen dioxide	IS-11255(Part7)	mg/Nm^3	25.60	50

INFERENCE	**As per KSPCB Standards,** **Report Status :- The analyzed values for above measured parameter are within the limits**

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report***

MSV ANALYTICAL LABORATORIES BALLARI

Note: 1.The results listed only to the tested samples & applicable parameters.
2. Water, Pollution & Environment & Food samples will be discarded after 10 days, Ores and minerals Filter papers & Thimbles will be discarded in 2 months from the date of issue of test reports

MSV Analytical Laboratories

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MSVAL/SE/RF/01/00

ANALYSIS REPORT FOR SOURCE EMISSION

1.	**Name and Address of the Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Stack ID**	:	**52 TPH Boiler**
3.	**Sample Collected By**	:	MSV Analytical Laboratories
4.	**Date of Monitoring**	:	30.03.2024
5.	**Date of Sample Receipt**	:	31.03.2024
6.	**Sample Code**	:	11560
7.	**Analysis Starting Date**	:	31.03.2024
8.	**Analysis Completion Date**	:	03.04.2024
9.	**Report Issue date**	:	03.04.2024

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Stack emission** **ULR No: TC407124000007955F**

GENERAL DETAILS

Instrument Used for Sampling	Sample collected with GTI-121
Fuel Used	Thick Spent Wash+Bagasse
Ambient Temperature (°C)	32
Stack Temperature (°C)	128
Velocity (m/s)	8.70
Height (m)	85
Diameter (m)	2.15
Cross sectional area (m^2)	3.6321
Quantity of flue gas discharged into atmosphere (Nm^3/h)	87626.0

RESULTS

Parameters	Protocol	Unit	Result	Standard
Particulate Matter	IS-11255(Part1)	mg/Nm^3	60.25	150
Sulphur dioxide	IS-11255(Part2)	mg/Nm^3	13.48	100
Nitrogen dioxide	IS-11255(Part7)	mg/Nm^3	30.72	50

INFERENCE	**As per KSPCB Standards,** **Report Status :- The analyzed values for above measured parameter are within the limits**

Analysed by

Authorized Signatory

Hanumanthaiah. P
Technical Manager

-: END OF REPORT :-

MSV Analytical Laboratories BALLARI

Note: 1.The results listed only to the tested samples & applicable parameters.

MSV Analytical Laboratories

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TC- 4071

MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

1.	**Name of the industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Sample Collected By**	:	MSV Analytical Laboratories
3.	**Particulars of Sample Collected**	:	Noise meter
4.	**Date of Monitoring**	:	27.01.2024
5.	**Report Issue Date**	:	31.01.2024
6.	**Method Adopted**	:	IS 9989: 2020

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Ambient Noise** **ULR NO: TC407124000002418F**

S.No	Sample Location	Sample Code	Time Frequency	Results (Day time)			
				Maximum in dB(A) Leq	Minimum in dB(A) Leq	Leq. in dB(A)	Permissible limits in dB(A) Leq
1	Near Distillery Gate	3793	12.05pm to 12.20pm	66.9	62.4	64.0	75 (6.00am to 10.00pm)
2	Near Distillation	3794	12.30pm to 12.45pm	72.6	69.0	70.5	
3	Near Distillery CPU	3795	01.00pm to 01.15pm	74.3	70.5	72.8	

INFERENCE	**As per KSPCB Standards,** **Report Status :- The Noise level for the all locations is within the limits**

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***

Note: 1.The results listed only to the tested samples & applicable parameters.
2. Water, Pollution & Environment & Food samples will be discarded after 10 days, Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports

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MSVAL/AN/RF/01/00

AMBIENT NOISE LEVEL MONITORING REPORT

1.	**Name of the industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Sample Collected By**	:	MSV Analytical Laboratories
3.	**Particulars of Sample Collected**	:	Noise meter
4.	**Date of Monitoring**	:	30.03.2024
5.	**Report Issue Date**	:	03.04.2024
6.	**Method Adopted**	:	IS 9989: 2020

Discipline: Chemical **Group: Atmospheric Pollution** **Sub Group: Ambient Noise** **ULR NO: TC407124000007956F**

S.No	Sample Location	Sample Code	Time Frequency	Results (Day time)			
				Maximum in dB(A) Leq	Minimum in dB(A) Leq	Leq. in dB(A)	Permissible limits in dB(A) Leq
1	Near Distillery Gate	11561	10.05am to 10.20am	71.4	67.3	69.8	75 (6.00am to 10.00pm)
2	Near Distillation	11562	10.30am to 10.45am	73.5	69.4	71.6	
3	Near Distillery CPU	11563	10.55am to 11.10am	74.0	71.5	72.2	

INFERENCE	**As per KSPCB Standards,** **Report Status :- The Noise level for the all locations is within the limits**

Analysed by

Authorized Signatory

Hanumanthaiah. P
Technical Manager

-: END OF REPORT:-

MSV Analytical Laboratories BALLARI

Note: 1.The results listed only to the tested samples & applicable parameters.

CER COST

Sl. No.	Activity	Fund Allocated Rs. in Lakhs	Timeline
i	Adoption of Govt. school at Kulgeri village for free education	70	2023-24
ii	Drinking water supply to Kulgeri village and Kallapur village	70	2022-23
iii	Distribution of free medicine / sanitizer in the surrounding villages	100	2021-22
	Total	**240**	

ಇದ್ದರು.

ಸೋಂಕು ತಡೆಗೆ ನಿರಾಣಿ ಫೌಂಡೇಷನ್ ನೆರವು
₹1 ಕೋಟಿ ಮೌಲ್ಯದ ಸ್ಯಾನಿಟೈಸರ್ ಪೂರೈಕೆ

ಪ್ರಜಾವಾಣಿ ವಾರ್ತೆ

ಬೀಳಗಿಯಲ್ಲಿ ಸೋಮವಾರ ಶಾಸಕ ಮುರುಗೇಶ ನಿರಾಣಿ ಸ್ಯಾನಿಟೈಸರ್ ವಿತರಣೆಗೆ ಚಾಲನೆ ನೀಡಿದರು

ಬೀಳಗಿ: ಕೊರೊನಾ ವೈರಸ್ ಸೋಂಕು ತಡೆಗಟ್ಟಲು ಸ್ಯಾನಿಟೈಸರ್‌ಗಳ ಅಗತ್ಯ ಇದ್ದು, ಸದ್ಯ ಮಾರುಕಟ್ಟೆಯಲ್ಲಿ ತೀವ್ರ ಅಭಾವ ಉಂಟಾಗಿದೆ. ಆದ್ದರಿಂದ ನಿರಾಣಿ ಫೌಂಡೇಷನ್‌ನಿಂದ ₹1 ಕೋಟಿ ಮೌಲ್ಯದ ಸ್ಯಾನಿಟೈಸರನ್ನು ಮತಕ್ಷೇತ್ರಕ್ಕೆ ಉಚಿತವಾಗಿ ಪೂರೈಸಲಾಗುವುದು ಎಂದು ಶಾಸಕ ಮುರುಗೇಶ ನಿರಾಣಿ ಹೇಳಿದರು.

ಬೀಳಗಿಯಲ್ಲಿ ಸೋಮವಾರ ನಡೆದ ಮತಕ್ಷೇತ್ರದ ಪ್ರಮುಖ ಅಧಿಕಾರಿಗಳ ಸಭೆಯಲ್ಲಿ ಸ್ಯಾನಿಟೈಸರ್ ವಿತರಣೆಗೆ ಚಾಲನೆ ನೀಡಿ ಅವರು ಮಾತನಾಡಿದರು.

ಶೀಘ್ರ ಮಾಸ್ಕ್‌ಗಳನ್ನೂ ಪೂರೈಸಲಾಗುವುದು. ಗ್ರಾಮ ಮತ್ತು ಪಟ್ಟಣಗಳ ಪ್ರಮುಖ ಸ್ಥಳಗಳಲ್ಲಿ ಜನ ಗುಂಪಾಗಿ ಕೂರುವುದನ್ನು ತಪ್ಪಿಸಲು ಸುಟ್ಟ ಎಣ್ಣೆ ಹಾಕಲಾಗುತ್ತಿದೆ. ಅಂತಹ ಎಣ್ಣೆ ನಮ್ಮಲ್ಲಿ ಲಭ್ಯವಿದ್ದು, ಅಗತ್ಯವಿದ್ದವರು ಪಡೆಯಬಹುದು ಎಂದು ತಿಳಿಸಿದರು. ತಹಶೀಲ್ದಾರ್ ಬಿ.ಪಿ. ಅಜೂರ, ಇಒ ಎಂ.ಕೆ. ತೊದಲಬಾಗಿ, ಸಿಪಿಐ ಸಂಜೀವ ಬಳಿಗಾರ, ತಾಲ್ಲೂಕು ಆರೋಗ್ಯಾಧಿಕಾರಿ ಡಾ. ದಯಾನಂದ ಕರೆಣ್ಣವರ ಇದ್ದರು.

ಸುವರ್ಣ ಸಂಭ್ರಮ
ಉದಯವಾಣಿ
1970 ರಿಂದ
ನಮ್ಮ ಹೃದಯವಾಣಿ • ನಮ್ಮ ಉದಯವಾಣಿ

ನಿರಾಣಿ ಕಾರ್ಖಾನೆಯಲ್ಲಿ ಸ್ಯಾನಿಟೈಸರ್ ಟನಲ್

ಬಾಗಲಕೋಟೆ: ಕೊರೊನಾ ವೈರಸ್‌ನಿಂದ ಲಾಕ್‌ಡೌನ್ ಮುಂದುವರಿದಿದ್ದು ಇದರ ವಿರುದ್ಧ ಸಂಘಟಿತ ಹೋರಾಟ ನಡೆಸುವಲ್ಲಿ ಜಿಲ್ಲೆಯ ನಿರಾಣಿ ಉದ್ಯಮ ಸಮೂಹ ಮುಂಚೂಣಿಯಲ್ಲಿದೆ ಎಂದು ಸಮೂಹದ ಕಾರ್ಯ ನಿರ್ವಾಹಕ ನಿರ್ದೇಶಕ ಸಂಗಮೇಶ ನಿರಾಣಿ ತಿಳಿಸಿದ್ದಾರೆ.

ಪ್ರತಿ ಬಾರಿ ಸಮಾಜ ಸಂಕಷ್ಟದಲ್ಲಿ ಸಿಲುಕಿದಾಗ ನಿರಾಣಿ ಸಮೂಹ ನೋವಿಗೂ ಸ್ಪಂದಿಸಿದೆ. ಸಂಸ್ಥಾಪಕ ಅಧ್ಯಕ್ಷ ಹಾಗೂ ಬೀಳಗಿ ಶಾಸಕ ಮುರಗೇಶ ನಿರಾಣಿ ಅವರ ನಿರ್ದೇಶನದಂತೆ ಈ ಸಂದರ್ಭವನ್ನು ಯಶಸ್ವಿಯಾಗಿ ನಿಭಾಯಿಸಲು ಸಮೂಹ ಮುಂದಾಗಿದೆ ಎಂದಿದ್ದಾರೆ.

ಸ್ಯಾನಿಟೈಸರ್ ಟನಲ್ ನಿರ್ಮಾಣ: ಕಾರ್ಖಾನೆಗಳ ಎಲ್ಲ ಗೇಟ್ ಬಳಿ ಸೊಂಕು ಹರಡುವಿಕೆ ತಪ್ಪಿಸಲು ಸ್ವಯಂಚಾಲಿತ ಸ್ಯಾನಿಟೈಸರ್ ಟನಲ್‌ಗಳನ್ನು ನಿರ್ಮಿಸಲಾಗಿದೆ. ಉದ್ಯೋಗಿಯು ಕಾರ್ಖಾನೆ ಆವರಣ ಪ್ರವೇಶಕ್ಕಿಂತ ಮೊದಲು ಸ್ವಚ್ಛವಾಗಿ ಕೈ ತೊಳೆದುಕೊಂಡು, ಹ್ಯಾಂಡ್ ಸ್ಯಾನಿಟೈಸರ್ ಸಿಂಪಡಿಸಿಕೊಂಡು, ಗ್ಲೌಸ್, ಮಾಸ್ಕ್ ಧರಿಸಿ ಟೆಂಪರೇಚರ್ ಗನ್ ಮೂಲಕ ದೇಹದ ಉಷ್ಣಾಂಶ ಪರೀಕ್ಷೆಗೆ ಒಳಪಟ್ಟ ನಂತರ ಸ್ಯಾನಿಟೈಸರ್ ಟನಲ್ ಮೂಲಕ ಕಾರ್ಖಾನೆ ಪ್ರವೇಶಿಸುವ ವ್ಯವಸ್ಥೆ ಮಾಡಲಾಗಿದೆ ಎಂದು ಹೇಳಿದ್ದಾರೆ.

ಬಾಗಲಕೋಟೆ: ನಿರಾಣಿ ಉದ್ಯಮ ಸಮೂಹದ ಕಾರ್ಮಿಕರಿಗೆ ಕೊರೊನಾ ವಿರುದ್ಧ ಹೋರಾಟದ ಕುರಿತು ಸಲಹೆ ನೀಡುತ್ತಿರುವ ಸಂಗಮೇಶ ನಿರಾಣಿ.

ಉದ್ಯೋಗಿಗಳ ಸುರಕ್ಷತೆಗೆ ದಿಟ್ಟ ಕ್ರಮ: ಸಕ್ಕರೆ, ಸಿಮೆಂಟ್, ಡಿಸ್ಟಿಲರಿ, ಬ್ಯಾಂಕಿಂಗ್, ಶಿಕ್ಷಣ ವಿವಿಧ ಕ್ಷೇತ್ರಗಳಲ್ಲಿ ಮುಂದುವರೆದ ನಿರಾಣಿ ಉದ್ಯಮ ಸಂಸ್ಥೆಯಲ್ಲಿ 10 ಸಾವಿರಕ್ಕೂ ಅಧಿಕ ಉದ್ಯೋಗಿಗಳಿದ್ದಾರೆ. ಕಾರ್ಖಾನೆಗಳ ವಸತಿ ಸಮುಚ್ಚಯಗಳಲ್ಲಿ ನಿವಾಸಿಗಳ ಹಿತರಕ್ಷಣೆಗೊಸ್ಕರ ಭಾರತದಲ್ಲಿ ಕೋವಿಡ್ -19 ಸೊಂಕು ಕಾಣಿಸಿಕೊಂಡಾಗಿನಿಂದಲೂ ಕಟ್ಟುನಿಟ್ಟಾದ ಕ್ರಮಗಳನ್ನು ಸಂಸ್ಥೆ ಅನುಷ್ಠಾನಗೊಳಿಸಿದೆ ಎಂದು ತಿಳಿಸಿದ್ದಾರೆ.

ಕಾಲೋನಿ ಒಳಗೆ ಅಪರಿಚಿತರು, ಬಂಧುಗಳು, ಪ್ರವೇಶಿಸದಂತೆ ಹಾಗೂ ನಿವಾಸಿಗಳು ಹೊರಹೋಗದಂತೆ ನಿರ್ಬಂಧಿಸಲಾಗಿದೆ. ಪ್ರವಾಸದಲ್ಲಿದ್ದ ಕುಟುಂಬಗಳನ್ನು ಸ್ವಯಂ ಕ್ವಾರಂಟೈನ್ ವಿಧಿಸಿಕೊಳ್ಳುವಂತೆ ಆದೇಶಿಸಲಾಗಿದೆ. ಒಂದು ತಿಂಗಳಿನಿಂದ ಇಂದಿನವರೆಗೆ ಯಾವೊಬ್ಬ ಹೊಸವ್ಯಕ್ತಿ ಕಾಲೋನಿ ಪ್ರವೇಶಿಸಿಲ್ಲ, ನಿವಾಸಿಗಳಿಗೆ ರೇಶನ್ ಹಾಗೂ ತರಕಾರಿಗಳನ್ನು ಕಾರ್ಖಾನೆ ಸೆಕ್ಯುರಿಟಿ ಸಿಬ್ಬಂದಿಯೇ ಸರಬರಾಜು ಮಾಡಲಾಗುತ್ತಿದೆ ಎಂದು ಹೇಳಿದ್ದಾರೆ. ಸಿಬ್ಬಂದಿಗೆ ಪ್ರಾಥಮಿಕ ಸುರಕ್ಷಾ ಸಲಕರಣೆಗಳಾದ ಮಾಸ್ಕ್, ಗ್ಲೋವ್ಸ್, ಹ್ಯಾಂಡ್ ಸ್ಯಾನಿಟೈಸರ್‌ಗಳನ್ನು ಒದಗಿಸಲಾಗಿದೆ. ಸರಕು ಸಾಗಾಣೆ ವಾಹನಗಳ ಚಾಲಕರು, ಕ್ಲೀನರ್‌ಗಳನ್ನು ವಾಹನದಿಂದ ಇಳಿಸದೇ ಅವರಿಗೆ ಸ್ಥಳದಲ್ಲಿಯೇ ಎಲ್ಲವನ್ನು ಪೂರೈಸುವ ವ್ಯವಸ್ಥೆ ಮಾಡಿದೆ.

ಸೊಂಕು ನಿಯಂತ್ರಣಕ್ಕಾಗಿ ಸ್ಯಾನಿಟೈಸರ್ ಉತ್ಪಾದನೆ: ಸಮೂಹ ಸಂಸ್ಥೆಯು 3 ಡಿಸ್ಟಿಲರಿ ಘಟಕಗಳಲ್ಲಿ ಹೆಚ್ಚಿನ ಪ್ರಮಾಣದ ಇಥೇನಾಲ್ ತಯಾರಿಸುತ್ತಿದೆ. ಕೊರೊನಾ ಸೋಂಕು ನಿಯಂತ್ರಣಕ್ಕೆ ಸ್ಯಾನಿಟೈಸರ್ ಅವಶ್ಯಕತೆ ಮನಗಂಡು ಅತ್ಯುತ್ತಮ ಗುಣಮಟ್ಟದ ಸ್ಯಾನಿಟೈಸರ್ ಉತ್ಪಾದಿಸುವ ದಿಟ್ಟ ಹೆಜ್ಜೆಯನ್ನು ನಿರಾಣಿ ಸಮೂಹ ಸಂಸ್ಥೆ ಇಟ್ಟಿದೆ. ರಾಷ್ಟ್ರ ಹಾಗೂ ಅಂತಾರಾಷ್ಟ್ರೀಯ ಮಟ್ಟದಲ್ಲಿ ಬಹುಬೇಡಿಕೆ ಇರುವ ಈ ಸ್ಯಾನಿಟೈಸರ್‌ನ್ನು ಪೂರೈಸುತ್ತಿದೆ ಎಂದು ತಿಳಿಸಿದ್ದಾರೆ.

1 ಕೋಟಿ ಮೌಲ್ಯದ ಉಚಿತ ಸ್ಯಾನಿಟೈಸರ್ ವಿತರಣೆ: ಮಾರಾಟದ ಉದ್ದೇಶಕ್ಕಷ್ಟೆ ಸ್ಯಾನಿಟೈಸರ್ ಉತ್ಪಾದನೆ ಮಾಡದೇ ಜಿಲ್ಲೆಗೆ ರೂ. 1 ಕೋಟಿ ಮೌಲ್ಯದ ಉಚಿತ ಸ್ಯಾನಿಟೈಸರ್ ದೇಣಿಗೆಯಾಗಿ ನೀಡಿರುವುದು ಸಮೂಹ ಸಂಸ್ಥೆಯ ಸಾಮಾಜಿಕ ಕಾಳಜಿಯಾಗಿದೆ. ಕೊರೊನಾ ವಾರಿಯರ್ಸ್‌ಗಳಿಗೆ, ರೈತರಿಗೆ, ಸರ್ಕಾರಿ ಕಚೇರಿಗಳಿಗೆ ಉಚಿತವಾಗಿ ವಿತರಿಸುವ ಕಾರ್ಯ ಫೌಂಡೇಶನ್ ಮೂಲಕ ನಡೆಯುತ್ತಿದೆ ಎಂದು ಹೇಳಿದ್ದಾರೆ.

ಗೋವಾ ಕನ್ನಡಿಗರ ನೆರವಿಗೆ ನಿಂತ ಮುರುಗೇಶ ನಿರಾಣಿ: ಸಿಬ್ಬಂದಿಗಳ ಹಿತರಕ್ಷಣೆ ಜತೆಗೆ ಕೋವಿಡ್-19 ಲಾಕ್‌ಡೌನ್‌ನಿಂದಾಗಿ ಗೋವಾದಲ್ಲಿ ಸಿಲುಕಿಕೊಂಡಿರುವ ಗೋವಾ ಕನ್ನಡಿಗ ಕಾರ್ಮಿಕರ ಸಂಕಷ್ಟ ಅರಿತು ಮುರುಗೇಶ ನಿರಾಣಿ ತಕ್ಷಣ ಸ್ಪಂದಿಸಿ ಅವಶ್ಯಕ ರೇಶನ್ ಹಾಗೂ ದಿನಬಳಕೆ ವಸ್ತುಗಳುಹಿಸಿಕೊಟ್ಟಿದ್ದಾರೆ ಎಂದು ತಿಳಿಸಿದ್ದಾರೆ.

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'Poverty should inspire for achievement'

JAMKHANDI: Poverty should inspire and encourage for achievement and one should be determined to achieve the goal amidst challenges in life, advised Retired Lieutenant General Ramesh Halagali.

He was speaking after inaugurating a workshop on IAS/KAS competitive exams organised by MRN (Nirani) Foundation at Murugoda Kalyana Mantapa in Jamkhandi in Bagalkot district on Sunday.

He said, the persons who work hard with strong determination and discipline can achieve success. Amidst several challenges, one should work hard to reach goal, he suggested.

Speaking on the occasion, Upper Krishna Project Rehabilitation & Resettlement Commissioner Shivayogi Kalasad suggested that the students should have dreams and should develop discipline and hard working nature to realise their dreams.

Retired Lieutenant General Ramesh Halagali and Upper Krishna Project Rehabilitation & Resettlement Commissioner Shivayogi Kalasad jointly inaugurating a workshop on IAS/KAS competitive exams organised by MRN (Nirani) Foundation in Jamkhandi in Bagalkot district on Sunday. DH PHOTO

MRN (Nirani) Foundation's Founder President and former minister Murugesh Nirani said, in these days, many rural students are shining in the national and State-level competitive exams. Honest efforts bring fruitful results in any competitive exams, he suggested.

Excise Department's Sanganagouda Hosalli, Assistant Commissioner Ravindra Karalingannavar, Bengaluru Active Coaching Centre's Manjunath Badagi, Tahsildar Prashant Chanagonda and others were present on the occasion.

DH News Service

ಯಶಸ್ಸಿನತ್ತ ಮುನ್ನುಗ್ಗಿ: ಮುರಗೇಶ ನಿರಾಣಿ

ದಿಗಂತ ಚಿತ್ರ

ನಗರದ ಮುರಗೋಡ ಕಲ್ಯಾಣ ಮಂಟಪದಲ್ಲಿ ನಡೆದ ಕಾರ್ಯಾಗಾರವನ್ನು ಗಣ್ಯರು ಉದ್ಘಾಟಿಸಿದರು.

▸ ದಿಗಂತ ವರದಿ ಜಮಖಂಡಿ ಸೆ.4

ಹಗಲಿರುಳೆನ್ನದೆ ಪರಿಶ್ರಮಪಟ್ಟು ಎಲ್ಲರು ಯಶಸ್ಸನ್ನು ಕಾಣಬೇಕು. ಗುರುಗಳು ದಾರಿಯನ್ನು ಮಾತ್ರ ತೋರಿಸುತ್ತಾರೆ. ಆದರೆ ನಡೆಯುವುದು ನಿಮ್ಮ ಕರ್ತವ್ಯ ಎಂದು ಮಾಜಿ ಸಚಿವ ಎಂ.ಆರ್. ಎನ್(ನಿರಾಣಿ) ಫೌಂಡೇಶನ ಅಧ್ಯಕ್ಷ ಮುರಗೇಶ ನಿರಾಣಿ ಹೇಳಿದರು.

ನಗರದ ಮುರಗೋಡ ಕೆಲ್ಯಾಣ ಮಂಟಪದಲ್ಲಿ ಎಂಆರ್‌ಎನ್(ನಿರಾಣಿ) ಫೌಂಡೇಶನ ಗ್ರಾಮೀಣಾಭಿವೃದ್ಧಿ ಮತ್ತು ಸ್ವ ಉದ್ಯೋಗ ತರಬೇತಿ ಸಂಸ್ಥೆಯ ಆಶ್ರಯದಲ್ಲಿ ಒಂದು ದಿನದ ಐಎಎಸ್ ಮತ್ತು ಕೆಎಎಸ್ ಸ್ಪರ್ಧಾರ್ಥಿಗಳಿಗೆ ಹಮ್ಮಿಕೊಂಡಿದ್ದ ಉಚಿತ ಕಾರ್ಯಾಗಾರದಲ್ಲಿ ಮಾತನಾಡಿದರು. ನಮಗೆ ಅಪಹಾಸ್ಯೆ, ನಿಂದನೆ ಮಾಡುವವರನ್ನು ವಿಚಾರಿಸಬೇಡಿ , ಅವರು ಇರುವುದರಿಂದ ನಾವು ಸಾಧನೆ ಮಾಡಲು ಸಾಧ್ಯವಾಗುತ್ತದೆ. ಸ್ಪರ್ಧಾರ್ಥಿಗಳು ತಮಗೆ ಯಾವ ವಿಷಯದಲ್ಲಿ ಆಸಕ್ತಿಯನ್ನು ಹೊಂದಿದ್ದಿರಿ ಅದರಲ್ಲಿ ಕಾರ್ಯೋನ್ಮುಖರಾಗಿ ಎಂದು ತಿಳಿಸಿದರು.

ಬೆಳಗಾವಿಯ ಪ್ರಾದೇಸಿಕ ಆಯುಕ್ತ ಶಿವಯೋಗಿ ಕಳಸದ ಮಾತನಾಡಿ, ವ್ಯಕ್ತಿಗಳ ಪ್ರೇರಣೆಗಿಂತ ಸಂವಾದ ಬಹಳ ಮುಖ್ಯವಾಗುತ್ತದೆ. ಸ್ಪರ್ಧಾರ್ಥಿಗಳಿಗೆ ನೈಜವಾದ ಸ್ಥಿತಿ ತಿಳಿಯುತ್ತದೆ. ಆದ್ದರಿಂದ ಇಂತಹ ಕಾರ್ಯಾಗಾರಗಳು ನಡೆಯಬೇಕು ಎಂದರು

ರವೀಂದ್ರ ಕರಲಿಂಗಣ್ಣವರ, ನಿವೃತ್ತ ಲೆಫ್ಟಿನೇಟ್ ಜನರಲ್ ರಮೇಶ ಹಲಗಲಿ, ಡಾ. ಸಂಗನಗೌಡ ಹೊಸಹಳ್ಳಿ, ಮಂಜುನಾಥ ಬಾಡಗಿ, ತಹಶೀಲ್ದಾರ್ ಪಿ.ಎಸ್. ಚನಗೊಂಡ, ನಿವೃತ್ತ ಡಿವೈಎಸ್‌ಪಿ ಪಿ.ಎನ್. ಪಾಟೀಲ್, ಸಿ.ಪಿ. ಜನವಾಡ, ಎಸ್. ಕೆ. ಪಾಟೀಲ್ ಇದ್ದರು. ಜ್ಯೋತಿ ಯಡಹಳ್ಳಿ ಪ್ರಾರ್ಥಿಸಿದರು. ವೆಂಕಟೇಶ ಭಾಗಿ ನಿರೂಪಿಸಿದರು. ಡಾ.ಉಮೇಶ ಮಹಾಬಳಶೆಟ್ಟಿ ಸ್ವಾಗತಿಸಿದರು. ಫೌಂಡೇಶನದ ನಿರ್ದೇಶಕರಾದ ಸಂಗಮೇಶ ಆರ್ ನಿರಾಣಿ ವಂದಿಸಿದರು.

ಜಮಖಂಡಿಯಲ್ಲಿ ಉಚಿತ ಆರೋಗ್ಯ ಶಿಬಿರ

ಸ್ವಚ್ಛತೆಗೆ ಹೆಚ್ಚಿನ ಮಹತ್ವ ನೀಡಿ: ಕವಟಗಿಮಠ

ದಿಗಂತ ವರದಿ: ಜಮಖಂಡಿ, ಸೆ. 16

ದಿಗಂತ ಚಿತ್ರ

ಪಟ್ಟಣದಲ್ಲಿ ನಡೆದ ಉಚಿತ ಆರೋಗ್ಯ ಶಿಬಿರದಲ್ಲಿ ವಿಪಸದಸ್ಯ ಮಹಾಂತೇಶ ಕವಟಗಿಮಠ ಮಾತನಾಡಿದರು.

ಆರೋಗ್ಯವಂತ ಸಮಾಜದಿಂದ ಸುಂದರ ದೇಶ ನಿರ್ಮಾಣ ಸಾಧ್ಯವಾಗುತ್ತದೆ. ಅದಕ್ಕೆ ಪ್ರಧಾನಿ ನರೇಂದ್ರ ಮೋದಿಯವರ ಆಶಯದಂತೆ 21 ನೇ ಶತಮಾನದಲ್ಲಿ ಭಾತರವು ಆರೋಗ್ಯವಂತ ಸಮಾಜವಾಗಬೇಕಾದರೆ ಸ್ವಚ್ಛತೆಗೆ ಹೆಚ್ಚು ಮಹತ್ವ ನೀಡಬೇಕು ಎಂದು ವಿಧಾನ ಪರಿಷತ್ ಸದಸ್ಯ ಮಹಾಂತೇಶ ಕವಟಗಿಮಠ ಹೇಳಿದರು.

ನಗರದ ಪಭಾ ಪ್ರೌಢಶಾಲೆಯಲ್ಲಿ ಬೆಳಗಾವಿಯ ಕೆಎಲ್ ಸಂಸ್ಥೆಯ ಡಾ ಪ್ರಭಾಕರ ಕೋರೆ ಆಸ್ಪತ್ರೆ ಹಾಗೂ ನಿರಾಣಿ ಫೌಂಡೇಶನ ಸಹಯೋಗದಲ್ಲಿ ನಡೆದ ಉಚಿತ ಆರೋಗ್ಯ ಶಿಬಿರ ಉದ್ಘಾಟಿಸಿ ಮಾತನಾಡಿದ ಅವರು, ಇಂತಹ ಉಚಿತ ಶಿಬಿರಗಳನ್ನು ಮಾಡುವುದರಿಂದ ಸಮಾಜದ ಕಟ್ಟಕಡೆಯ ವ್ಯಕ್ತಿಗೂ ಸಹ ಆರೋಗ್ಯದ ಲಾಭ ದೊರೆಯುತ್ತದೆ. ಅದನ್ನು ಇಲ್ಲಿ ನಿರಾಣಿ ಫೌಂಡೇಶನದವರು ಮಾಡುತ್ತಿದ್ದಾರೆ ಎಂದರು.

ಈ ಭಾಗದ ಜನತೆಯು ಆರೋಗ್ಯದ ಕಾಳಜಿಯಿಂದ ನಿರಾಣಿ ಫೌಂಡೇಶನದವರು ಕಳೆದ ಬಾರಿ ಸುಮಾರು 10 ಸಾವಿರಕ್ಕೂ ಹೆಚ್ಚು ಜನರ ಆರೋಗ್ಯ ತಪಾಸಣೆಯನ್ನು ಮಾಡಿದ್ದು ಶ್ಲಾಘನೀಯ. ಇದು ಮುಂದುವರೆದಂತೆ ಸಾವಿರಾರು ಜನರಿಗೆ ಶಸ್ತ್ರ ಚಿಕಿತ್ಸೆಯನ್ನೂ ಮಾಡಿಸಿದ್ದಾರೆ ಎಂದರು.

ಮಾಜಿ ಸಚಿವ ಮುರಗೇಶ ನಿರಾಣಿ ಮಾತನಾಡಿ, ನಿರಾಣಿ ಫೌಂಡೇಶನದವರು ಎಂದು ಯಾರಿಗೂ ಅಹಿತಕರವಾಗಿ ನಡೆದುಕೊಂಡಿಲ್ಲ .ಇಲ್ಲ ಎಲ್ಲಿಯೂ ಸಹ ಅಕ್ರಮವಾಗಲೀ, ಅಮಾನವೀಯವಾಗಲೀ ನಡೆದುಕೊಂಡಿಲ್ಲ .ಇತ್ತೀಚಿಗೆ ಹಿರಿಯರೊಬ್ಬರು ಅಪಾದಿಸಿದ್ದು ಸರಿಯಾದ ಕ್ರಮವಲ್ಲ. ಇನ್ನೊಮ್ಮೆ ನಿರಾಣಿ ಫೌಂಡೇಶನಕ್ಕೆ ಮಸಿ ಬಳಿಯುವ ಕೆಲಸ ಮಾಡಿದರೆ ಅದರ ಪರಿಣಾಮ ನೆಟ್ಟಗಿರುವುದಿಲ್ಲ ಎಂದು ಎಚ್ಚರಿಸಿದರು.

ಕೆಎಲ್‌ಇ ಆಸ್ಪತ್ರೆ ವೈದ್ಯಕೀಯ ಅಧೀಕ್ಷಕ ಡಾ ಆರ್. ಎಸ್. ಮುಧೋಳ, ಪ್ರಾಚಾರ್ಯ ಡಾ.ಎನ್.ಎಸ್. ಮಹಾತಶೆಟ್ಟಿ, ಕಾಡು ಮಾಳಿ, ಮುತ್ತಿನಕಂತೀ ಮಠದ ಶಿವಲಿಂಗ ಶ್ರೀಗಳು, ಶಿವಾನಂದಗೌಡ ಪಾಟೀಲ, ಸುಖದೇವ ಶರ್ಮಾ, ಸುರೇಶಗೌಡಾ ಇದ್ದರು.

ANNEXURE - V

TRUALT BIOENERGY LIMITED
(FORMERLY KNOWN AS TRUALT ENERGY LIMITED)
080 - 23256500-50
contact@trualtbioenergy.com
www.trualtbioenergy.com
GSTIN - 29AAICT5347A1ZB
CIN - U15400KA2021PLC145978

Ref: TBL-III/KSPCB-ES/2023-24/ **Date: 30.09.2023.**

To,
The Environmental Officer,
Regional Bagalkot,
Karnataka State Pollution Control Board,
Sector No. -07, By-Pass Road,
Navanagar- BAGALKOT-587102

Sub: Submission of Environmental statement for the year 2022-23 --- reg.

Dear Sir,

This has refer to above cited subject, we are herewith submitting the Environmental statement (Form – V) for the period of April 2022 to March 2023 & for the financial year ending with March 2023.

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,
For TruAlt Bioenergy Ltd. Unit – III.

ಸ್ವೀಕರಿಸಿ
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಾಲಿನ್ಯ ನಿಯಂತ್ರಣ ಮಂಡಳಿ
ಪ್ರಾದೇಶಿಕ ಕಛೇರಿ, ಬಾಗಲಕೋಟೆ

Trualt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

Authorised Signatory,

Trualt Bioenergy Limited * Distillery Division *

ENVIRONMENTAL AUDIT STATEMENT

SUBMITTED

TO

KARNATAKA STATE POLLUTION CONTROL BOARD
REGIONAL OFFICE, BAGALKOT.

BY

TruAlt Bioenergy LIMITED Unit - III

KALLAPUR SK, TALUKA -BADAMI, DIST-BAGALKOT
KARNATAKA.

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

ENVIRONMENTAL AUDITING

Environmental auditing is a management tool to objectively and systematically evaluate environment management systems with the following objectives:

i) Waste prevention and reduction.
ii) Assessing compliance with regulatory requirements.
iii) Placing environmental information in the public domain.

Compliance with the regulatory norms, through adoption of clean technologies and improvement in management practices for prevention and control of pollution is not only mandatory but also has got wide acceptance among the industrial community. Charter on Corporate Responsibility for Environmental Protection (CREP) also calls for commitment and voluntary initiatives of industry for responsible care of the environment, which will help in building a partnership for pollution control.

In view of the fact that the enforcement agencies are many times not equipped fully in terms of man power & other infrastructure to identify violation of Pollution Control norms by Industries and since there is every likelihood that the enforcement agencies may monitor only limited number of industries spread over in different areas in the entire state, the Government intends to introduce a new scheme by the name "Environmental Auditing Scheme". In this scheme, technically qualified professionals (Auditors) become link between Industries, enforcement agencies and Association of Industries, with added vital elements of Accountability and Transparency.

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

OBJECTIVES:

The environmental audit helps in pollution control, improved safety and health & conservation of natural resources and hence its overall objective can be stated as achieving of sustainable development.

The objectives of environmental audit in an industry are:

1. To determine the mass balance of various materials used and the performance of various process equipment so as to identify the usage of materials in excess than required and to review the conservation efficiencies of process equipment and accordingly fix up norms for equipment / operations performance and minimization of wastes.
2. To identify the areas of water usage, waste water generation and determine the characteristics of wastewater.
3. To determine the emissions, their sources, quantities and characteristics.
4. To determine the solid waste and hazardous waste generated, their sources, their quantities and characteristics.
5. To identify the possibilities of waste minimization and recovery and recycling of waste.
6. To determine the performances of the existing waste water treatment / control.
7. To consider system to modify or install additional control equipment accordingly.
8. To adopt 4R concept: Reduce-Reuse-Recycle-Recover.

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

ABOUT THE INDUSTRY:

TruAlt Bioenergy LIMITED Unit- III located at Kallapur SK village, Badami -Taluka, Bagalkot - District— 587155. The distillery **having capacity** is 8 MW Captive Power Plant & 200 KLPD with incineration Boiler of 52 **TPH** steam **flow** capacity and the same were commissioned in the September 2021.

Sl. No.	Name of the Unit	Capacity
1	Captive Power Plant	08 MW
2	Distillery	200 KLPD

This unit is engaged in the production **of** Sugar as per the **customer** needs. This unit located in the area comprising of **agricultural fields.** The area has good **facilities** for setting up and running industries. General **topography** of the region is a **flat** and undulating terrain. The area is dry with black cotton soil and also some area sandy loam and **the** ambient temperature varies between 28 - 43 ^{0}C.

Sl. No.	Description	Area
1	Total Area of the Factory	12.26 Acres
2	Built-up Area including Roads & cane yard	07.94 Acres
3	Existing green belt	4.32 Acres

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

FORM - V (See Rule - 14)

Environmental Statement for the financial year ending 31.03.2023

(From April -2022 to March -2023)

PART- A

General Information:

1. Name of the Industry : **TruAlt Bioenergy Ltd Unit-III.,**
   Kallapur SK, Taluk - Badami,
   Dist – Bagalkot, PIN: 587155, Karnataka.

2. Applicant Name: **PRAKASH M. SUTAR**
   Asst. General Manager–Environment

3. E-mail Address: mrn.environment@niranigroups.com

4. Products Manufactured: RS/ENA/IS/Ethanol

5. Year of Commissioning: Distillery – September 2021.

6. Operation During the period of Audit:

   a. Working days per year: Distillery – 266 Days
   b. Working days per week : 7 Days
   c. No. of shifts : 3 Shifts

7. No. of Employees : During Season – 100
   During Off Season – 40

TruAlt Bioenergy Limited Unit-3 * Kallapur (SK) 587155 * Distillery Division *

PART- B

1. FRESH WATER CONSUMPTION (2022 - 2023 SEASON)

Fresh Water Consumption in KL/Year (Distillery units)

a. Process : 399000 KL
b. Industrial Cooling : 13300 KL
c. Domestic Purpose : 9310 KL

Sl. No.	Operation/Particulars	Current Financial Year 2022- 23 (KL/Year)
1	Domestic	9310
2	Process	399000
3	Cooling	13300
4	Others (Fire Fighting)	2660
Total		**424270**

Sl. No.	Description	Recycled to	2022-23 (KL/Year)
1	Boiler Blow Down	Co-gen Cooling Tower	4570
2	Co-gen Cooling Blow Down	Sugar Service Water Tank	3431
3	Hot Water Recycling	Sugar/Co-gen Cooling Tower	71603
4	Process Condensate & Spent Lees	Distillery Cooling Tower make-up & for Fermentation Process	179550
5	Cooling Tower Purge	Distillery Cooling Tower make-up	59850
Total			**319004**

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

2. Recycle and Reuse:

a. Waste *prevention and reductions:*

The industry has adopted water conservation measures for the optimal use of water. The industry has adopted recycling of Boiler blow down and cooling tower blow down since commencement of the distillery plant. The total recycled water quantity was **319004** KLD in 2022-23 season.

b. Compliance with regulatory requirements:

During 2022-23 season, the industry has operated the Distillery for 266 days. The fresh water consumption was 1500 KL/Day during 2022-23 season. However, the water consumption is well within the consent limit.

a. Waste prevention and reduction:

The sewage water from toilets & urinals is discharged in to the septic tank followed by soak pit. The boiler blow down is reused to the co-gen cooling tower after treatment. The cooling tower blow down water is reused to the make-up water tank after treatment. The regeneration and backwash water of PCTP is used for green belt development. The process condensate & spent lees is recycled to fermentation process and also for cooling tower as make- up water. Spent wash used in boiler as fuel.

b. Compliance with regulatory requirements:

The treated water from PCTP is reused and recycled for fermentation process & for cooling tower make up along with manufacturing process.

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

2.0. DETAILS OF RAW MATERIAL CONSUMPTION AND PRODUCTS:

Sl. No.	NAME OF THE MATERIAL	UTILIZATION	*Consumption of Raw Materials in the current FY 2022-23*
1.	Molasses	Distillery	80911 MT
2.	Cane Syrup	Distillery	65004 MT
3.	Sodium Meta Bi Sulphite	Distillery	10509 Kgs.
4.	Yeast	Distillery	22970 Kgs.
5.	CWR Plus	Distillery	1691 Kgs.
6.	CWR Pro	Distillery	1154 Kgs.
7.	Neutriozime	Distillery	2373 Kgs,
8.	DAP	Distillery	55547 Kgs.
9.	TRO	Distillery	23334 Kgs.
10.	Zinc Sulphate	Distillery	4036 Kgs.
11.	MgSO4	Distillery	5689 Kgs.
12.	Biocide	Distillery	359 Kgs.
13.	Caustic Soda Flakes	Distillery	185920 Kgs.
14.	Bleaching Powder	Distillery	275 Kgs.

PRODUCT DETAILS		
Sl. No.	**Particulars**	**Quantity**
6	Ethanol from Molasses	2,26,44,025 Lit.
7	Ethanol from Cane Syrup	1,98,88,339 Lit.

1. **Waste prevention and reductions:**

The industry has adopted conservation measures for the optimal use of resources.

2. **Compliance with regulatory requirements.**

The RS/ENA/Ethanol production capacity was at an average 159.8 KLD. This complies with the consent of 200 KLPD of Distillery.

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

PART – C

POLLUTANTS DISCHARGED TO ENVIRONMENT / UNIT OF OUTPUT

(Parameters as specified in the consent issued)

Pollutants	Quantity of Pollutants discharged in mass/day	Concentration of Pollutants in discharges (mass/volume)	Percentage of variation to prescribed standards with reasons
Waste Water:	@ 4.5 KL per KL of Alcohol	Treated Condensate & Lees: 1. Colour: Less than 1 Hazen 2. Odour: Agrreable 3. pH : 7.50 4. BOD : 48 mg/l 5. TDS : 160 mg/l 6. TSS : 02 mg/l 7. O&G : BDL	All the parameters are within the limits as specified by KSPCB.
Air: 1. Ambient Air Quality 2. Stack Monitoring 165 TPH Boiler stack (Co-gen)	Below 100 mg/Nm3	**Ambient** 1. SOx : 6.99 ug/m3 2. NOx : 15.02 ug/m3 3. PM 10 : 85.59 ug/m3 4. PM 2.5 : 35.71 ug/m3 5. Ammomnia: 3.18 ug/m3 **Stack** 1. PM :66.70 ug/m3 2. SO2:12.04 ug/m3 3. NO2:25.19 ug/m3	All the Ambient & Stack parameters are within the limits as specified by KSPCB.
Noise:	Below 70 dB(A)	Day time: 69.1 dB(A)	Noise level is within the limit as specified by KSPCB.

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

i) **Waste prevention and reduction:**

The industry has adopted Air Pollution controlling measures for the minimization of air pollution from the incineration Boiler. An Electro Static Precipitator (ESP) is equipped to control the air pollution. The Ambient Air Quality and Stack Emissions are well within the limits prescribed by KSPCB.

ii) **Compliance with regulatory requirements:**

Both chimney of height 85 meter along with ESP along with acoustic control measures have

been adopted for incineration boiler 52 TPH. The stack monitoring reports are well within the standards as laid down by the Board.

PART-D

HAZARDOUS WASTES

(As specified under the Hazardous Waste / Management and Handling Rules, 2008)

Hazardous / Non-Hazardous Wastes	Total Quantity in KL/Year Current Financial Year 2022-23
a. From Process	
1. Spent Oil	0.02 KL
2. Cotton Waste	0.02 KL
3. Waste Containers	0.1 MT
b. From Pollution Control Facilities	
Boiler Ash (Non-Hazardous Waste)	3252 MT

i) **Waste prevention and reduction:**

The industry has adopted safety measures for handling the hazardous wastes. Wastes are stored in MS containers and stored in the separate yard. The collected waste oil is reused as lubricant in track Chain carriers / bagasse conveyors / elevators etc inside the factory premises.

ii) **Compliance with regulatory requirements:**

The waste oil from the DG is not exceeding the consent limits and also waste oil residue. The industry is complying with the hazardous waste **(Management and handling) Rules 2008 as amended in 2010.**

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

PART-E

SOLID WASTES

Particulars	Total Quantity in MT Current Financial Year 2022-23
a) From Process	
1. Spent Wash	252700 KL
b) From Pollution Control Facilities	

1. Boiler Ash	3252 MT
c) Quantity Recycled or Reutilize	1. Spent wash is used as fuel in incineration Boiler. 2. The Boiler ash is sold to brick manufacturers.

I. Waste prevention and reduction.

The industry has adopted solid waste management practices for proper tracking and managing the wastes in order to recover the energy. The Spent wash is used as a fuel in boiler and ash is sold to brick manufacturer & for manure.

II. Compliance with regulatory requirements.

The industry is managing the solid waste like ash from boilers in a manner such that it is not causing any pollution.

PART- F

Please specify characterization (in terms of composition and quantum) of hazardous as well as solid waste indicates disposal practice adopted for both these categories of wastes:

Nature of Wastes	Quantity/Year	Mode of Disposal
a)Hazardous Wastes		
1. Waste Oil from DG set	0.02 KL	Collected in MS/HDPE barrels and used as lubricant in the track chain conveyors/ bagasse conveyors/ elevators, etc.. Inside the factory premises.
2. Spent turbine oil waste	0.02 KL	do -
B. Solid Wastes		
1. Boiler Ash	3252 MT	Sold to brick manufacturers
2. Spent wash	252700 KL	Used as fuel in the Boiler.

PART- G

Impact of the pollution control measures on conservation of natural resources and consequently on the cost of production:

1. For Chemicals in Effluent Treatment Plant.
2. The treated effluent is used to develop green belt and planted trees @ 33 acres and also for gardening in the factory premises.

PART- H

TruAlt Bioenergy Ltd. Unit III.

TruAlt Bioenergy Limited Unit-3 * Kallapur (SK) 587 155 * Distillery Division

Additional investment proposal for environmental protection including abatement of pollution:

1. Industry has developed the green belt area of about 4.38 acre.
2. Good housekeeping is being maintained in the factory premises.
3. The industry has implemented a recycling treatment unit to recycle the vapor condensate to process and cooling tower make-up purposes.
4. Water spraying on the main roads to avoid the dust pollution occurring due to cane vehicles during the season.
5. Online Air monitoring unit and online effluent treated water monitoring equipment are provided for close monitoring.

PART - I

Any other particulars far improving the quality of the environment:

The industrial management adopted pollution control measures for protecting surrounding environment. The concentration of pollutants is well within the limits as prescribed by the KSPCB.

a. An Environmental Cell / Committee have been formed.
b. The factory has a full-fledged PCTP/CPU to treat condensate & lees.
c. Industry having well equipped Laboratory for carrying out water and wastewater Analysis.
d. Environmental protection and pollution control has been the priority for the industry.
e. Reuse of backwash water for firefighting and as well as in the sugar unit to reduce the fresh water consumption.
f. Reuse of process condensate& lees water after treatment as for process along with cooling tower tower makes up to reduce the fresh water consumption.
g. Spraying of water on bagasse to arrest fugitive emissions.

TruAlt Bioenergy Limited Unit-3 * Distillery Division * Kallapur (SK) 587 155

For TruAlt Bioenergy Limited Unit -III

Authorized Signatory,

TruAlt Bioenergy Ltd. Unit-III.

—ANNEXURE V]

DECCAN HERALD

DATED - 07th July 2023

NOTE FOR COMPANY NAME CHANGE

We, MRN Cane Power (India) Limited, having accorded Environmental Clearance by MOEF & CC bearing no. File No. IA- J-11011/312/2021-IA-II (I), dated 27th June 2023 with our address at: Survey no. 72, Kallapur S.K Village, Kulageri Hobli Tal- Badami, Dist-Bagalkot, Karnataka,India, hereby give notice for changing the Company name

To:

TruAlt Bioenergy Limited Unit-III, any objection to this change should be sent in writing to us within (14) days from the publication of this notice. &

Same has uploaded on Parivesh portal Govt. of India along with company website.

TruAlt Bioenergy Limited * Distillery Division *

PRAJAVANI

04th July 2023

ಕಂಪನಿಯ ಹೆಸರು ಬದಲಾವಣೆಗೆ ಸೂಚನೆ

ನಾವು, **MRN ಕೇನ್ ಪವರ್ (ಇಂಡಿಯಾ) ಲಿಮಿಟೆಡ್, MOEF** ಮತ್ತು **CC** ಬೇರಿಂಗ್ ನಂ. ಮೂಲಕ ಪರಿಸರ ಅನುಮತಿಯನ್ನು ಪಡೆದಿದ್ದೇವೆ. ಫೈಲ್ ಸಂಖ್ಯೆ. IA-J-11011/312/2021-IA-II (I), ದಿನಾಂಕ 27ನೇ ಜೂನ್ 2023 ರಲ್ಲಿ ನಮ್ಮ ವಿಳಾಸ: ಸರ್ವೆ ನಂ. 72, ಕಲ್ಲಾಪುರ ಎಸ್.ಕೆ ಗ್ರಾಮ, ಕುಳಗೇರಿ ಹೋಬಳಿ ತಾ- ಬಾದಾಮಿ, ಜಿಲ್ಲೆ-ಬಾಗಲಕೋಟ, ಕರ್ನಾಟಕ, ಭಾರತ, ಈ ಮೂಲಕ ಕಂಪನಿಯ ಹೆಸರನ್ನು ಬದಲಾಯಿಸಲು ಸೂಚನೆ ನೀಡಿ.

ಇವರಿಗೆ:

TruAlt Bioenergy Limited Unit-III, ಈ ಬದಲಾವಣೆಗೆ ಯಾವುದೇ ಆಕ್ಷೇಪಣೆಯನ್ನು ಈ ಸೂಚನೆಯ ಪ್ರಕಟಣೆಯಿಂದ (14) ದಿನಗಳ ಒಳಗೆ ನಮಗೆ ಲಿಖಿತವಾಗಿ ಕಳುಹಿಸಬೇಕು. ಈ ಜಾಹೀರಾತನ್ನು ಭಾರತ ಸರಕಾರದ ಪರಿವೇಶ ಪೋರ್ಟಲನಲ್ಲಿ ಅಪ್ ಲೋಡ ಮಾಡಲಾಗಿದೆ.

TruAlt Bioenergy Limited * Distillery Division *

MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1st & 2nd Floor)
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 9945456764, 08392-255169
Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

TC- 4071

MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1.	**Name and Address of Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Sample Marked as**	:	**Borewell Water**
3.	**Name of the location**	:	**Distillery Area**
4.	**Sample Collected By**	:	MSV Analytical Laboratories
5.	**Sample quantity**	:	Pet Bottle, 2 Liter.
6.	**Sample Description/condition**	:	Water/Good
7.	**Date of Sample Collection**	:	27.01.2024
8.	**Date of sample receipt**	:	28.01.2024
9.	**Sample Code**	:	3796
10.	**Analysis Starting Date**	:	28.01.2024
11.	**Analysis Completion Date**	:	31.01.2024
12.	**Report Issue Date**	:	31.01.2024

Discipline: Chemical **Group: Water** **Sub Group: Ground Water** **ULR NO: TC407124000002419F**

S.No	Parameters	Protocol	Unit	Result	IS 10500-2018	
					Acceptable limit	Permissible limit
Physical Parameters						
1	Color	IS : 3025(part-4)	Hazen	BDL(<1.0)	Max 5	Max 15
2	Total Dissolved Solids	IS : 3025(part-16)	mg/L	380.0	Max 500	Max 2000
3	pH @25°C	IS : 3025(part-11)	-	7.25	6.5 - 8.5	No Relaxation
4	Turbidity	IS : 3025(part-10)	NTU	0.49	Max 1	Max 5
Chemical Parameters						
5	Total Alkalinity	IS : 3025(part-23)	mg/L	121.5	Max 200	Max 600
6	Total Hardness as $CaCO^3$	IS : 3025(part-21)	mg/L	196.2	Max 200	Max 600
7	Nitrate as NO_3	IS : 3025(part-34)	mg/L	5.88	Max 45	No Relaxation
8	Chloride as Cl	IS : 3025(part-32)	mg/L	47.30	Max 250	Max 1000
9	Sulphate as SO_4	IS : 3025(part-24)	mg/L	32.95	Max 200	Max 400
10	Calcium as Ca	IS : 3025(part-40)	mg/L	46.11	Max 75	Max 200
11	Magnesium as Mg	IS : 3025(part-46)	mg/L	19.66	Max 30	Max 100
12	Fluoride as F	IS : 3025(part-60)	mg/L	0.38	Max 1.0	Max 1.5
13	Iron as Fe	3120B-APHA 23rd Edition	mg/L	BDL(<0.01)	Max 0.3	No Relaxation

INFERENCE	**IS 10500 – 2018 Standards, BDL – Below Detectable Limit** **Report Status: - The above measured parameters are within the permissible limits.**

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***

MSV ANALYTICAL LABORATORIES BALLARI

Note: 1.The results listed only to the tested samples & applicable parameters.
2. Water, Pollution & Environment & Food samples will be discarded after 10 days. Ores and minerals Filter papers & Thimbles will be discarded in 3 months from the date of issue of test reports.

MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 & Accredited by NABL

(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)

C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1st & 2nd Floor)

Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (0) : 9945456764, 08392-255169

Email : msvalbellary2018@gmail.com, labmsv@gmail.com Web ID : www.msvalbellary.com

TC- 4071

MSVAL/W/RF/01/00

ANALYSIS REPORT OF WATER QUALITY

1.	**Name and Address of Industry**	:	**M/s. Trualt Bioenergy Limited, 47/1,47/2,48,72,73,74, Kallapur S K, Bagalkot-587155, Karnataka, India**
2.	**Sample Marked as**	:	**Borewell Water**
3.	**Name of the location**	:	**Distillery Area**
4.	**Sample Collected By**	:	MSV Analytical Laboratories
5.	**Sample quantity**	:	Pet Bottle, 2 Liter.
6.	**Sample Description/condition**	:	Water/Good
7.	**Date of Sample Collection**	:	30.03.2024
8.	**Date of sample receipt**	:	31.03.2024
9.	**Sample Code**	:	11564
10.	**Analysis Starting Date**	:	31.03.2024
11.	**Analysis Completion Date**	:	03.04.2024
12.	**Report Issue Date**	:	03.04.2024

Discipline: Chemical **Group: Water** **Sub Group: Ground Water** **ULR NO: TC407124000007957F**

S.No	Parameters	Protocol	Unit	Result	IS 10500-2018	
					Acceptable limit	Permissible limit
Physical Parameters						
1	Color	IS : 3025(part-4)	Hazen	BDL(<1.0)	Max 5	Max 15
2	Total Dissolved Solids	IS : 3025(part-16)	mg/L	438.0	Max 500	Max 2000
3	pH @25°C	IS : 3025(part-11)	-	7.60	6.5 - 8.5	No Relaxation
4	Turbidity	IS : 3025(part-10)	NTU	0.95	Max 1	Max 5
Chemical Parameters						
5	Total Alkalinity	IS : 3025(part-23)	mg/L	127.2	Max 200	Max 600
6	Total Hardness as $CaCO^3$	IS : 3025(part-21)	mg/L	190.4	Max 200	Max 600
7	Nitrate as NO_3	IS : 3025(part-34)	mg/L	4.09	Max 45	No Relaxation
8	Chloride as Cl	IS : 3025(part-32)	mg/L	57.32	Max 250	Max 1000
9	Sulphate as SO_4	IS : 3025(part-24)	mg/L	22.85	Max 200	Max 400
10	Calcium as Ca	IS : 3025(part-40)	mg/L	51.26	Max 75	Max 200
11	Magnesium as Mg	IS : 3025(part-46)	mg/L	15.13	Max 30	Max 100
12	Fluoride as F	IS : 3025(part-60)	mg/L	0.38	Max 1.0	Max 1.5
13	Iron as Fe	3120B-APHA 23rd Edition	mg/L	BDL(<0.01)	Max 0.3	No Relaxation

INFERENCE	**IS 10500 – 2018 Standards, BDL – Below Detectable Limit** **Report Status: - The above measured parameters are within the permissible limits.**

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda
Chief executive of the laboratory

*** End of Report ***

Note: 1.The results listed only to the tested samples & applicable parameters.

Annexure – VIII INTERNAL ROADS