

**Ref: TBL-03/MOEF&CC/EC-Comp/2025-26**

**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 01<sup>st</sup> October 2025 to 31<sup>st</sup> March 2026.

Kindly acknowledge receipt for the same.

Thanking You,

Yours Truly,

**For TruAlt Bioenergy Limited Unit - 03.**



**Authorized Signatory**

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

**(Encl:** Photocopies of supporting documents)

**COMPLIANCE REPORT FOR THE CONDITIONS OF ENVIRONMENTAL  
CLEARANCE**

**EC Letter no. IA-J-11011/312/2021-IA-II (I); Dated: 27.06.2023.**

**For**

**M/S Trualt Bioenergy Limited, unit-03  
Distillery 400 KLPD & CPP 08 MW**

**At**

**Kallapur SK Village, Badami Taluk and Bagalkot District, Bagalkot, Karnataka-587155**

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**File No. IA-J-11011/312/2021-IA-II(I)**  
Government of India  
Ministry of Environment, Forest & Climate Change  
Impact Assessment Division

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Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi-110 003

Dated: 27<sup>th</sup> June, 2023

To,

**M/s TruAlt Bioenergy Limited (Unit-3),**  
Kallapur SK Village, Kulageri Hobli, Badami Taluk,  
Bagalkot District- 587155, Bagalkot, Karnataka

**Sub: Proposed 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 - 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 Environment Clearance regarding.**

Sir,

This has reference to your online proposal No. IA/KA/IND2/293136/2022, dated 22<sup>nd</sup> 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. .

**2.** The Ministry of Environment, Forest and Climate Change has considered the above proposal for amendment in Environmental Clearance granted by the Ministry vide letter no. J-11011/312/2021- IA II(I) dated 21/09/2021 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.

**3.** The current proposal is for bifurcation of the Distillery plant from the existing environmental clearance letter no. J-11011/312/2021- IA II(I) dated 21/09/2021 and transfer of distillery plant in the name of M/s. TruAlt Bioenergy Limited -Unit-3 from M/s. MRN Cane Power (India) Limited.

**4.** The project proponent has requested for amendment (Bifurcation of Distillery Unit & Transfer of distillery plant from M/s. MRN Cane Power (India) Limited to

M/s. TruAlt Bioenergy Limited -Unit-3) in the EC the details are as under;

<b>SI. No</b>	<b>Para</b>	<b>details of EC issued by MoEF&amp;CC</b>	<b>to be revised/ read as</b>
	<b>DISTILLERY</b>		
			<b>Bifurcation Distillery Unit &amp; Transfer of distillery plant from M/s. MRN Cane Power (India) Limited to M/s. TruAlt Bioenergy Limited -Unit-3</b>
	1.	This has reference to your online proposal No. IA/KA/IND2/222242/2021, dated 09 <sup>th</sup> August, 2021 for environmental clearance to the above mentioned project.	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.
	2.	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 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.	The Ministry of Environment, Forest and 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 / grains as feedstock and a new Captive power plant capacity of 8 MW under Ethanol blended with Petrol (EBP) program at Bagalkot, Karnataka by TruAlt Bioenergy Limited (Unit -3)
	3.	The project activities are covered under category A of item 5 (g) 'Distilleries' and 5 (j) Sugar Industry of the Schedule to the EIA, 2006 and requires appraisal at central level by the sectoral Expert	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 sectoral Expert Appraisal Committee (EAC). The proposal has been submitted under

	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.O 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	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.O 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.																				
4.	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 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.	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																				
5.	<p>The details of products and capacity are as under: -</p> <table border="1"> <thead> <tr> <th>Sl. no</th> <th>Unit Type</th> <th>Existing Product</th> <th>Proposed expansion</th> <th>Scenario after expansion</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sugar Plant</td> <td>5000 TCD</td> <td>5000 TCD</td> <td>10000 TCD sugar cane crushing</td> </tr> </tbody> </table>	Sl. no	Unit Type	Existing Product	Proposed expansion	Scenario after expansion	1	Sugar Plant	5000 TCD	5000 TCD	10000 TCD sugar cane crushing	<p>The details of products and capacity are as under: -</p> <table border="1"> <thead> <tr> <th>Sl. no</th> <th>Unit Type</th> <th>Existing Product</th> <th>Proposed expansion</th> <th>Scenario after expansion</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Distillery</td> <td>65 KLD distillery unit Raw material is C-Heavy molasses</td> <td>335 KLD distillery unit Raw material is C-Heavy molasses / BHeavy molasses / Sugar</td> <td>The operating scenarios are: 400 KLPD Ethanol [OR] 65 KLPD RS/ENA + 335</td> </tr> </tbody> </table>	Sl. no	Unit Type	Existing Product	Proposed expansion	Scenario after expansion	1	Distillery	65 KLD distillery unit Raw material is C-Heavy molasses	335 KLD distillery unit Raw material is C-Heavy molasses / BHeavy molasses / Sugar	The operating scenarios are: 400 KLPD Ethanol [OR] 65 KLPD RS/ENA + 335
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		2	Co- generat ion plant	35 MW	-	35 MW of Co- generat ion plant				
		3	Distiller y	65 KLD distille ry unit Raw materi al is C- Heavy molass es / BHeav y	335 KLD distiller y unit Raw materi al is C- Heavy molass es / BHeav y	The operati ng scenari os are: 400 KLPD Ethanol [OR] 65 KLPD RS/ENA + 335 KLPD Ethanol Raw material is C- Heavy molass es / B- Heavy molass es / sugar syrup / Grains				
		4	Captive power attache d to distiller y	-	8 MW	To install a new Captive Power Plant of 8 MW capacit y			8 MW	To install a new Captive Power Plant of 8 MW capacity
	6.	Existing land area is 503710 m2 (124 Acres 19 Guntas) ; Out of which land converted				Existing land area 503710 m <sup>2</sup> (124 Acres 19 Guntas). Out of which Distillery is developed in an area of				

		for industrial use is 412450 m <sup>2</sup> (101 Acres 37 Guntas) and remaining 91260 m <sup>2</sup> ( 22 Acres 22 Guntas) is agricultural land used for R&D. Proposed 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 <sup>2</sup> (34 Acres 02 Guntas) out of total area of the project	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.
	7.	The estimated project cost is Rs. 830.47 crores 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
	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.
	9.	As PUC is a B2 project baseline ambient air quality monitoring is not required.	The monitoring data during December 2020 indicate PM <sub>10</sub> (86.02 µg/m <sup>3</sup> ), PM <sub>2.5</sub> (41.28

	<p>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 µg/m<sup>3</sup>), PM2.5 (41.28 µg/m<sup>3</sup>), SO<sub>2</sub> (6.74 µg/m<sup>3</sup>) and NO<sub>x</sub> (13.09 µg/m<sup>3</sup>). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 3.58 µg/m<sup>3</sup>, 1.48 µg/m<sup>3</sup> and 0.95 µg/m<sup>3</sup> with respect to PM10, SO<sub>2</sub> and NO<sub>x</sub> respectively. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS</p>	<p>µg/m<sup>3</sup>), SO<sub>2</sub> (6.74 µg/m<sup>3</sup>) and NO<sub>x</sub> (13.09 µg/m<sup>3</sup>). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed project would be 3.58 µg/m<sup>3</sup>, 1.48 µg/m<sup>3</sup> and 0.95 µg/m<sup>3</sup> with respect to PM10, SO<sub>2</sub> and NO<sub>x</sub> respectively. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).</p>																																																																												
10.	<p>Total water requirement in Sugar &amp; Co-Generation Plant and distillery unit is given in the Table below and fresh water shall be met from Malaprabha Rive:</p> <table border="1" data-bbox="386 1289 837 1705"> <thead> <tr> <th colspan="5">Fresh water requirement by sugar and Co-generation plant</th> </tr> <tr> <th>S I, N o</th> <th>Particula r</th> <th>Fres h Water in KLD</th> <th>Recycl ed water in KLD</th> <th>Total Water Require ment in KLD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sugar Plant of 10000 TCD &amp; Co-Gen Plant of 35 MW</td> <td>660</td> <td>1710</td> <td>2370</td> </tr> </tbody> </table> <p>(Fresh water requirement by Distillery Unit &amp; Captive Power Plant:</p> <table border="1" data-bbox="386 1772 837 1915"> <thead> <tr> <th>S I, N o</th> <th>Combina tion of producti on in 400</th> <th>Fres h Water in KLD</th> <th>Fresh Water kL/kL of</th> <th>Recycled water in KLD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Using C-Heavy Molasses</td> <td>1404</td> <td>3.51</td> <td>2245</td> </tr> <tr> <td>2</td> <td>Using B-Heavy Molasses</td> <td>1255</td> <td>3.14</td> <td>2402</td> </tr> <tr> <td>3</td> <td>Using sugar syrup</td> <td>946</td> <td>2.37</td> <td>2594</td> </tr> <tr> <td>4</td> <td>Using Grains</td> <td>1090</td> <td>2.73</td> <td>2495</td> </tr> </tbody> </table>	Fresh water requirement by sugar and Co-generation plant					S I, N o	Particula r	Fres h Water in KLD	Recycl ed water in KLD	Total Water Require ment in KLD	1	Sugar Plant of 10000 TCD & Co-Gen Plant of 35 MW	660	1710	2370	S I, N o	Combina tion of producti on in 400	Fres h Water in KLD	Fresh Water kL/kL of	Recycled water in KLD	1	Using C-Heavy Molasses	1404	3.51	2245	2	Using B-Heavy Molasses	1255	3.14	2402	3	Using sugar syrup	946	2.37	2594	4	Using Grains	1090	2.73	2495	<p>Total water requirement in Sugar &amp; Co-Generation Plant is given in the Table below and fresh water shall be met from Malaprabha River:</p> <table border="1" data-bbox="867 1209 1398 1881"> <thead> <tr> <th colspan="6">Fresh water requirement by Distillery Unit &amp; Captive Power Plant:</th> </tr> <tr> <th>S I, N o</th> <th>Combina tion of producti on in 400 KLPD Distillery</th> <th>Fres h Water in KLD</th> <th>Fres h Water kL/kL of Ethanol</th> <th>Recycl ed water in KLD</th> <th>Total Water Require ment in KLD</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Using C-Heavy Molasses</td> <td>1404</td> <td>3.51</td> <td>2245</td> <td>3649</td> </tr> <tr> <td>2</td> <td>Using B-Heavy Molasses</td> <td>1255</td> <td>3.14</td> <td>2402</td> <td>3657</td> </tr> <tr> <td>3</td> <td>Using sugar syrup</td> <td>946</td> <td>2.37</td> <td>2594</td> <td>3540</td> </tr> <tr> <td>4</td> <td>Using Grains</td> <td>1090</td> <td>2.73</td> <td>2495</td> <td>3585</td> </tr> </tbody> </table> <p>Domestic use - Distillery: 10 KLD</p>	Fresh water requirement by Distillery Unit & Captive Power Plant:						S I, N o	Combina tion of producti on in 400 KLPD Distillery	Fres h Water in KLD	Fres h Water kL/kL of Ethanol	Recycl ed water in KLD	Total Water Require ment in KLD	1	Using C-Heavy Molasses	1404	3.51	2245	3649	2	Using B-Heavy Molasses	1255	3.14	2402	3657	3	Using sugar syrup	946	2.37	2594	3540	4	Using Grains	1090	2.73	2495	3585
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Domestic use - Sugar & Co-gen plant: 10 KLD				
Gardening= 40 KLD				
<p>Domestic Sewage of 8 KLD form Sugar plant and 8.5 KLD from Distillery unit shall be treated in septic tank followed by soak pits. In Sugar &amp; Co-Generation 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, CoGen 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 owned by the company director. In Distillery Unit &amp; Captive Power Plant: The raw spent wash of 2400 KLD (6</p>				
<p>Domestic Sewage of 8.5 KLD from Distillery unit shall be treated in sewage treatment plant.</p> <p>In Distillery Unit &amp; 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.</p> <p>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 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</p>				

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11.	<p>Power requirement after expansion shall be 16 MW and 4.5 MW for sugar plant and distillery unit respectively and</p>	<p>Power requirement after expansion shall be 16 MW For the distillery, one 52 TPH incinerator boiler using Concentrated spent wash</p>

		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/Nm <sup>3</sup> even after expansion	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/Nm <sup>3</sup> even after expansion.																														
	12.	Details of Process emissions generation and its management	Details of Process emissions generation and its management:- CO <sub>2</sub> from fermentation shall be recovered by a dedicated CO <sub>2</sub> bottling plant.																														
	13.	<p>Details of Solid waste/Hazardous waste generation and its management:</p> <table border="1"> <thead> <tr> <th>Solid waste</th> <th>Quantity in T/Day</th> <th>Mode of disposal</th> </tr> </thead> <tbody> <tr> <td>Bagasse</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="3">Boiler ash to be handed over to fertilizer industry for value addition to fertilizer</td> </tr> <tr> <td>Boiler ash - Distillery</td> <td>35-45</td> </tr> <tr> <td>Yeast Sludge</td> <td>45 - 50</td> </tr> </tbody> </table>	Solid waste	Quantity in T/Day	Mode of disposal	Bagasse	3200	Used as fuel in boilers.	Press mud	360	Raw material for composting.	Boiler ash - Co-gen	35-45	Boiler ash to be handed over to fertilizer industry for value addition to fertilizer	Boiler ash - Distillery	35-45	Yeast Sludge	45 - 50	<p>Details of Solid waste/Hazardous waste generation and its management:</p> <table border="1"> <thead> <tr> <th>Solid Waste</th> <th>Quantity in T/Day</th> <th>Mode of Disposal</th> </tr> </thead> <tbody> <tr> <td>Boiler ash - Distillery</td> <td>35-45</td> <td rowspan="2">Boiler ash to be handed over to fertilizer industry for value addition to fertilizer</td> </tr> <tr> <td>ETP Sludge</td> <td>5-10</td> </tr> <tr> <td>Yeast Sludge</td> <td>45 - 50</td> <td></td> </tr> <tr> <td>Lime Sludge</td> <td>10-12</td> <td>Used for Land filling</td> </tr> </tbody> </table>	Solid Waste	Quantity in T/Day	Mode of Disposal	Boiler ash - Distillery	35-45	Boiler ash to be handed over to fertilizer industry for value addition to fertilizer	ETP Sludge	5-10	Yeast Sludge	45 - 50		Lime Sludge	10-12	Used for Land filling
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		ETP Sludge	5-10		
		Lime Sludge	10-12	Used for Land filling	
	14.	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			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'.
	15.	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.			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.
	16.	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			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.
	17.	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			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

		<p>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 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</p>	<p>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 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.</p>
	18.	<p>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.</p>	<p>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.</p>
	19.	<p>The environmental clearance granted to the project/activity is strictly under the provisions</p>	<p>The environmental clearance granted to the project/activity is strictly under the provisions of the</p>

	<p>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 &amp; operation of the project</p>	<p>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 &amp; operation of the project.</p>
20.	<p>Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for project proposed 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 at Bagalkot,</p>	<p>Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for project proposed integrated expansion of 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 TruAlt Bioenergy Limited (Unit -3), under the provisions of the EIA Notification, 2006, and the amendments therein, subject to</p>

	<p>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: -</p> <p><b>A. Specific condition:</b></p> <p>(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</p> <p>(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.</p> <p>(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.</p>	<p>compliance of the terms and conditions as under: -</p> <p><b>A. Specific condition:</b></p> <p>(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.</p> <p>(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.</p> <p>(iii) The project proponent will treat and reuse the treated water within the integrated industry and no waste or treated water shall be</p>
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	<p>(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.</p> <p>(v) The spent wash shall be concentrated by evaporation in MEE and and shall be used as fuel in the incineration boiler.</p> <p>(vi) CO2 generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.</p> <p>(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.</p>	<p>discharged outside the premises.</p> <p>(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.</p> <p>(v) The spent wash shall be concentrated by evaporation in MEE and concentrated spent wash shall be used as fuel in the incineration boiler.</p> <p>(vi) CO2 generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors</p> <p>(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 &amp; employees shall be provided with required safety kits/mask for personal protection.</p>
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	<p>All workers &amp; employees shall be provided with required safety kits/mask for personal protection.</p> <p>(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.</p> <p>(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.</p> <p>(x) Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic &amp; evaporation salt shall be disposed of to the TSDF.</p> <p>(xi) The company shall undertake waste minimization measures as below (a) Metering 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</p>	<p>(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.</p> <p>(ix) The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.</p> <p>(x) Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic &amp; evaporation salt shall be disposed of to the TSDF.</p> <p>(xi) The company shall undertake waste minimization measures as below (a) Metering 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.</p> <p>(xii) The green belt of at least 5-10 m width shall be</p>
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		<p>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.</p> <p>(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.</p> <p>(xiii) As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 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</p>	<p>developed in nearly 33% of the distillery unit, 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.</p> <p>(xiii) As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 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 in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed.</p> <p>(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.</p>
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	<p>in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed.</p> <p>(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</p> <p>(xv) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.</p> <p>(xvi) Continuous online (24x7) monitoring system for stack emissions 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</p>	<p>(xv) Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.</p> <p>(xvi) Continuous online (24x7) monitoring system for stack emissions 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.</p> <p>(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 be set up to carry out the Environmental Management and Monitoring functions.</p> <p><b>B. General condition:</b></p> <p>(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 and Climate Change/SEIAA, as applicable. In case of deviations or</p>
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		<p>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.</p> <p>(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 be set up to carry out the Environmental Management and Monitoring functions</p> <p><b>B. General condition:</b></p> <p>(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 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</p>	<p>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.</p> <p>(ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.</p> <p>(iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p> <p>(iv) The company shall undertake all relevant measures for improving the socio-economic 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-</p>
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	<p>to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</p> <p>(ii) The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.</p> <p>(iii) The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p> <p>(iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and</p>	<p>developmental measures including community welfare measures in the project area for the overall improvement of the environment.</p> <p>(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 Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.</p> <p>(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.</p> <p>(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&amp;CC, the</p>
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		<p>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.</p> <p>(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 Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.</p> <p>(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,</p>	<p>respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.</p> <p>(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&amp;CC by e-mail.</p> <p>(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 <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a>. 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 language of the</p>
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	<p>were received while processing the proposal.</p> <p>(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&amp;CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.</p> <p>(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</p>	<p>locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p> <p>(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.</p> <p>(xi) This Environmental clearance is granted subject 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.</p>
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	<p>the respective Regional Offices of MoEF&amp;CC by e-mail.</p> <p>(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 <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a>. 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 language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.</p> <p>(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.</p> <p>(xi) This Environmental clearance is granted</p>	
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		subject 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	
	21.	The Ministry reserves the right to stipulate 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 any of the above conditions is not found satisfactory	The Ministry reserves the right to stipulate 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 any of the above conditions is not found satisfactory.
	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.
	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.
	24.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974,

		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, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.	the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.
	25.	This issues with the approval of the competent authority.	This issues with the approval of the competent authority

**5.** The proposal was appraised by the Expert Appraisal Committee (Industry-2) in its meeting ID- IA/IND2/13394/28/11/2022 held during 28<sup>th</sup> - 29<sup>th</sup> November, 2022 and EAC meeting (Meeting ID: IA/IND2/13410/21/12/2022) held on 21<sup>st</sup> – 22<sup>nd</sup> 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 12<sup>th</sup> 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.
- (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.
- (iii) Domestic sewage generated from the plant premises shall be treated in the sewage Treatment Plant.
- (iv) Existing Bagasse fired boilers shall meet the particulate matter emissions within the statutory limit of 50 mg/Nm<sup>3</sup>. At no time, the

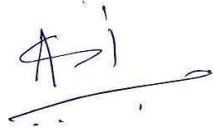
emission shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Performance assessment of pollution control devices/ systems will be conducted annually.

- (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 basis and 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.
- (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. 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 J-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.

**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 J-11011/312/2021-IA II(I) dated 21<sup>st</sup> 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.

7. This issues with the approval of the competent authority.



**(A. N. Singh)**  
**Scientist-'E'**

**Copy to: -**

1. The Secretary, Department of Forest, Environment & Ecology, Government of Karnataka, Room No. 708, Gate 2, Multi Storey Building, Dr. Ambedkar Veedhi, Bangalore - 1
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Kendriya Sadan, 4<sup>th</sup> Floor, E&F Wings, 17<sup>th</sup> Main Road, Koramangala II Block, Bangalore - 34
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, Delhi - 32
4. The Member Secretary, Karnataka State Pollution Control Board, Parisara Bhavan, #49, 4<sup>th</sup>& 5<sup>th</sup> Floor, Church Street, Bangalore -1
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
6. The District Collector, District Bagalkot, Karnataka
7. Guard File/Monitoring File/Parivesh portal/Record File



**(A. N. Singh)**  
**Scientist-'E'**

**E-mail: [aditya.narayan@nic.in](mailto:aditya.narayan@nic.in)**  
**Tel. No. 11-24642176**

**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.**

Sl. No.	EC CONDITIONS	INDUSTRY COMPLIANCE												
1.	This has reference to your online proposal No. IA/KA/IND2/293136/2022, dated 22 <sup>nd</sup> 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.	The unit duly noted in regard to the grant of the EC for the 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												
2.	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.	The unit duly noted in regard to the grant of the EC for the 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.												
3.	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.	The unit duly noted in regard to the grant of the EC for the 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.												
4.	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 border="1"> <thead> <tr> <th align="center">SL. NO.</th> <th align="center">Details of EC issued by MOEF &amp; CC</th> <th align="center">To be revised/read as</th> <th align="center">INDUSTRY COMPLIANCE</th> </tr> </thead> <tbody> <tr> <td></td> <td colspan="2">Bifurcation of Distillery unit &amp; Transfer of Distillery plant from M/S MRN Cane Power (India) Limited to TruAlt Bioenergy Limited Unit-3</td> <td></td> </tr> <tr> <td align="center">1.</td> <td>This has reference to your online proposal No. IA/KA/IND2/222242/2021, dated 09<sup>th</sup> 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.</td> <td>The unit duly noted in regard to the grant of the EC.</td> </tr> </tbody> </table>	SL. NO.	Details of EC issued by MOEF & CC	To be revised/read as	INDUSTRY COMPLIANCE		Bifurcation of Distillery unit & Transfer of Distillery plant from M/S MRN Cane Power (India) Limited to TruAlt Bioenergy Limited Unit-3			1.	This has reference to your online proposal No. IA/KA/IND2/222242/2021, dated 09 <sup>th</sup> August 2021 for environmental clearance to the above mention project.	This has reference to online proposal no. IA/KA/IND2/293136/2022 for amendment in Environmental Clearance (EC Identification no.	The unit duly noted in regard to the grant of the EC.	
SL. NO.	Details of EC issued by MOEF & CC	To be revised/read as	INDUSTRY COMPLIANCE											
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			EC21A022KA158864) vide dated 21.09.2021.																				
2.	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 by M/S MRN Cane Power (India) Limited.	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.	The unit duly noted in regard to the grant of the EC for the integrated expansion of 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.																				
3.	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 17 <sup>th</sup> January 2019 & extension given to vide notifications S.O 750 (E), dated 2 <sup>nd</sup> March 2021. Accordingly, the proposal shall be appraised as category 'B2' project. It was informed that no litigation is pending against the proposal.	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.O 980(E) dated 2 <sup>nd</sup> March, 2021. Accordingly, the proposal shall be appraised as category 'B2' project. It was informed that no litigation is pending against the proposal.	Duly noted regards the schedule of EIA Notification 2006.																				
4.	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.	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 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	The unit duly noted and confirming that there is no any litigation pending.																				
5.	<p>The details of products and capacities are as under</p> <table border="1"> <thead> <tr> <th>Sl. no.</th> <th>Unit type</th> <th>Existing Production</th> <th>Proposed expansion</th> <th>Scenario after Expansion</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sugar Plant</td> <td>5000 TCD</td> <td>5000 TCD</td> <td>10000 TCD Sugar Cane</td> </tr> </tbody> </table>	Sl. no.	Unit type	Existing Production	Proposed expansion	Scenario after Expansion	1	Sugar Plant	5000 TCD	5000 TCD	10000 TCD Sugar Cane	<p>The details of products and capacities are as under</p> <table border="1"> <thead> <tr> <th>Sl. no.</th> <th>Unit type</th> <th>Existing Production</th> <th>Proposed expansion</th> <th>Scenario after Expansion</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Distillery</td> <td>65 KLD distillery unit Raw material is C-</td> <td>135 KLD distillery unit Raw material</td> <td>A. 200 KLPD Ethanol (OR) B.65 KLPD RS/ENA + 135 Ethanol using Raw material Heavy molasses / B-Heavy /sugar syrup</td> </tr> </tbody> </table>	Sl. no.	Unit type	Existing Production	Proposed expansion	Scenario after Expansion	1.	Distillery	65 KLD distillery unit Raw material is C-	135 KLD distillery unit Raw material	A. 200 KLPD Ethanol (OR) B.65 KLPD RS/ENA + 135 Ethanol using Raw material Heavy molasses / B-Heavy /sugar syrup	Unit diligently noted regards the production capacity of distillery plant.
Sl. no.	Unit type	Existing Production	Proposed expansion	Scenario after Expansion																			
1	Sugar Plant	5000 TCD	5000 TCD	10000 TCD Sugar Cane																			
Sl. no.	Unit type	Existing Production	Proposed expansion	Scenario after Expansion																			
1.	Distillery	65 KLD distillery unit Raw material is C-	135 KLD distillery unit Raw material	A. 200 KLPD Ethanol (OR) B.65 KLPD RS/ENA + 135 Ethanol using Raw material Heavy molasses / B-Heavy /sugar syrup																			

				Crushing capacity			Heavy molasses	ial is C-Heavy molasses / B-Heavy molasses / Sugar syrup		Unit obtained CFE expansion for 400 KLPD Distillery and obtained CFO for 65 KLPD ENA/RS + 335 KLPD Ethanol or 400 KLPD Ethanol from KSPCB.	
2	Co-generation plant	35 MW	-	35 MW							
3	Distillery	65 KLD distillery unit Raw material is C-Heavy molasses	135 KLD distillery unit Raw material is C-Heavy molasses / B-Heavy molasses / Sugar syrup	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			8 MW	Installed a new Captive Power Plant of 8 MW capacity			
4	Captive power attached to distillery		8 MW	Installed a new Captive Power Plant of 8 MW capacity							
6.	Existing land area is 503710 m <sup>2</sup> (124 Acres 19 Guntas) ; out of which land converted for industrial use is 412450 m <sup>2</sup> (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 <sup>2</sup> (34 Acres 02 Guntas) out of total area of the project.				Existing land area 503710 m <sup>2</sup> (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.				Acknowledged and industry developed the green belt area @ 33% of total land, 5000 no. of plants with varieties of trees all around the factory premises as per CPCB guidelines in consultation with local DFO. Photographs showing greenbelt developed in the plant premises is shown in <b>Appendix 1</b> .		
7.	The estimated Project cost is Rs.830.47 cores including existing investment of Rs.590.47 cores. Total capital cost earmarked towards environmental pollution control measures after expansion is Rs.41.92 cores and the recurring cost (operation and maintenance) shall be Rs. 0.93 cores per annum. Total employment shall be 372 persons as direct & 66 persons indirect after expansion. Industry proposes to allocate Rs. 2.4 cores towards Corporate Environment Responsibility.				The estimated project cost is Rs 361.88 cores including existing investment of Rs. 135.88 cores. Total capital cost earmarked towards environmental pollution control measures after expansion is Rs. 41.92 cores and the recurring cost (operation and maintenance) shall be Rs. 0.93 cores per annum. Total employment shall be shall be 372 persons as direct & 66 persons indirect after expansion.				Unit will allocate the EMP along with recurring cost as mentioned & employment is 372 persons as direct & 66 indirect.		

	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.	Duly noted & stated here that there are no any national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, etc. within a 10 km distance. Also noted regards distance of Malaprabha River of 6 km from project site in south direction.	There is no any
	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 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 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 the National Ambient Air Quality Standards (NAAQS).	The company diligently adheres to all environmental protection measures and safeguards outlined in the documents submitted to the Ministry. Every recommendation presented in the EIA/EMP report regarding environmental management and risk mitigation measures relevant to the project will be efficiently implement. In terms of environmental management, the unit ensures comprehensive monitoring of ambient air quality and stack emissions, alongside the installation of	

ESP, green belt development, and efficient effluent management systems to ensure strict compliance with prescribed norms.

The unit carried out monthly monitoring of Ambient air quality by NABL accredited laboratory and submitted reports regularly to KSPCB-Bagalkote office. Report attached as **Appendix-2.**

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 & Captive Power Plant of 8 MW:

Sl. No.	Combination of production in 200 KLPD Distillery	Fresh Water		Recycled Water in KLD	Total Water Requirement in KLD
		In KLD	KL/KL of Ethanol		
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:					
Sl. No.	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
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(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

We have 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

	<p>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 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.</p>	<p>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</p>	<p>process and cooling tower makeup. Industry having 1470 KLD distillery CPU separately to treat condensate water, spent lees and other lean effluents. At present industry constructed 400 KLPD distillery, for this existing CPU is sufficient to treat generated condensate water. Treated condensate water is being recycled back to process and cooling tower makeup. ZLD concept already adopted for distillery of 400 KLPD capacity.</p>																		
11.	<p>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.</p>	<p>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.</p>	<p>Duly noted, the unit is provided a 52 TPH boiler with a stack height of 85 meters &amp; APCE as Bag Filter and the required power will be got from the same.</p>																		
12.	<p>Details of Process emissions generation and its management.</p>	<p>Details of Process emissions generation and its management: - CO2 from fermentation shall be recovered by a dedicated CO2 bottling plant.</p>	<p>Generated CO2 recovered through CO2 capturing unit.</p>																		
13.	<p>Details of Solid waste/Hazardous waste generation and its management:</p> <table border="1" data-bbox="383 1738 760 2001"> <thead> <tr> <th>Solid waste</th> <th>Quantity in T/Day</th> <th>Mode of disposal</th> </tr> </thead> <tbody> <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> </tbody> </table>	Solid waste	Quantity in T/Day	Mode of disposal	Bagasse Press mud	3200	Used as fuel in boilers.	Press mud	360	Raw material for composting.	<p>Details of Solid waste/Hazardous waste generation and its management:</p> <table border="1" data-bbox="797 1770 1138 1980"> <thead> <tr> <th>Solid waste</th> <th>Quantity in T/Day</th> <th>Mode of disposal</th> </tr> </thead> <tbody> <tr> <td>Boiler ash — Co-gen</td> <td>35-45</td> <td>Boiler ash to be handed over to Fertilizer industry for</td> </tr> <tr> <td>Boiler ash</td> <td>35-45</td> <td></td> </tr> </tbody> </table>	Solid waste	Quantity in T/Day	Mode of disposal	Boiler ash — Co-gen	35-45	Boiler ash to be handed over to Fertilizer industry for	Boiler ash	35-45		<p>Following steps are taken by the Unit:</p> <ul style="list-style-type: none"> <li>The incinerated boiler ash of 45 TPD generated from the</li> </ul>
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14.	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'.	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'.	The unit duly noted & Thanks.																						
15.	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.	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.	The unit duly noted & abide the condition stipulated.																						
16.	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	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	Duly noted & thanks for the grant of EC.																						

		grant of environmental clearance.	
17.	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 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.	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 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.	Duly noted & unit again state and undertake here that data & information given in the application with enclosures are true & no any data/information suppressed in the report.
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.	Duly noted & thanks for the grant of EC.
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	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/	The unit understands and acknowledges that Environmental clearance is granted subject to the project/activity is

	<p>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 &amp; operation of the project.</p>	<p>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 &amp; operation of the project.</p>	<p>strictly under the provisions of the EIA Notification 2006 and its amendments. We have obtained CTE &amp; CTO from KSPCB. Copy of CTE &amp; CTO enclosed as <b>Appendix 3.</b></p>
20.	<p>Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for project proposed 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 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: -</p>	<p>Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate Change hereby accords environmental clearance for project proposed expansion, 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 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: -</p>	<p>Duly noted &amp; thanks for the expansion of EC of the 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.</p>
<b>A. Specific condition:</b>			
i	<p>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.</p>	<p>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</p>	<p>The unit duly noted the additional capacity of 335 KLPD &amp; same has been used for fuel.</p>

			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.	
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.	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.	The company diligently adheres to all environmental protection measures and safeguards outlined in the documents submitted to the Ministry. Every recommendation presented in the EIA/EMP report regarding environmental management and risk mitigation measures relevant to the project is currently being and will continue to be efficiently implemented. In terms of environmental management, the unit ensures comprehensive monitoring of ambient air quality and stack emissions, alongside the installation of ESP, green belt development, and efficient effluent management systems to ensure strict compliance with prescribed norms.	
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.	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.	The unit treat the condensate water in CPU & reused in the fermentation process & CT make-up & Spent wash concentrated in the MEE & conc. SW 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.	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.	Industry made all efforts to reduce fresh water intake from river to process and total fresh water will not exceed 2124 KLPD. Industry applied and will take taken prior permission from irrigation department for fresh water withdrawal from Malaprabha river.
v	The spent wash shall be concentrated by evaporation in MEE and and shall be used as fuel In the incineration boiler.	The spent wash shall be concentrated by evaporation in MEE and and shall be used as fuel In the incineration boiler.	The unit treat the Spent wash concentrated in the MEE & conc. SW used as fuel in the incineration boiler.
vi	CO2 generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.	CO2 generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.	Industry recovered the generated CO2 through CO2 capturing unit.
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.	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.	The unit provided required safety kits/mask as PPE for all workers.
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.	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.	Unit provides training to all employees on continuous basis regarding their health and safety aspects with chemical handling.
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.	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	The company made all the required arrangements for the protection of possible fire hazards, which are as follows: Fire extinguishers provided for readily accessible for immediate use in all

				<p>parts of the occupancy. Adequate dust suppression measures provided to prevent fugitive emissions and also the risk of fire. Similar measures adopted for loading/unloading operations.</p> <p>All necessary medical facilities for first aid provided in the factory premises.</p> <p>An emergency escape route marked at all places in the industry towards a designated assembly point.</p>
x	<p>Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic &amp; evaporation salt shall be disposed of to the TSDF.</p>	<p>Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic &amp; evaporation salt shall be disposed of to the TSDF.</p>	<p>The unit having incineration boiler to burn organic residues. ETP sludge, Yeast sludge, Boiler ash &amp; other organic waste will be sold to IFFCO (South Indian Potash) fertilizer manufacturing company for value addition.</p> <p>(a) Flow meters installed in all inlet and outlet points to quantify the waste.</p> <p>(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.</p> <p>(c) In all final products filling is made automated to minimize spillages.</p> <p>(d) All fermenters are Fed batch type with closed vessels and CO2 recovered.</p> <p>(e) Steam vapor recovery system adopted in</p>	

			<p>distillation and evaporation system.</p> <p>(f) Jet pressure cleaning is being used for equipment cleaning.</p>
xi	<p>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</p>	<p>The company shall undertake waste minimization measures as below (a) Nletering and control of quantities of active ingredients to minimie 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.</p>	<p>Unit delightedly noted &amp; complied.</p>
xii	<p>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.</p>		<p>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.</p> <p>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</p>

			<p>and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed.</p> <p>Acknowledged and industry developed the green belt area with 20 no. of variety of saplings @ 33% of total land, 5000 no. of plants with varieties of trees all around the factory premises as per CPCB guidelines in consultation with local DFO.</p>
xiii	<p>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 canter/s support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed.</p>		<p>The unit having CER/CSR foundation in the name of MRN Group of Industries to take care of socioeconomic improvement in the surrounding villages. Paper cuttings on CER activities already submitted to Regional MOEF and Regional KSPCB offices. Enclosed as <b>Appendix 4</b>.</p>
xiv	<p>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.</p>	<p>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.</p>	<p>Adequate parking area is provided within the plant premises for loading and unloading of the raw materials, finished products and by-products. Unit is allotted 15 % of the area which encompasses 1.8 acres of the total project area for</p>

			parking and restrooms.
xv	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Dust pollution and fugitive emissions are controlled by providing a raw material covered storage area, closed handling & conveyance of chemicals/ materials, and a water sprinkling system. All stockpiles constructed over impervious soil and garland drains to avoid the mixing of accidental spillages with domestic wastewater. Covered sheds and wind-breaking walls/curtains provided around the biomass storage area. Roads within the premises has concreted/paved to avoid vehicular emissions. In the event of failure of any pollution control system, the unit will not be restarted until the control measures are rectified to achieve the desired efficiency.
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 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.	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 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.	Continuous online monitoring has installed for stack emissions and for effluent and the data on a real-time basis is being transferred to servers of CPCB and KSPCB.
xvii	A separate Environmental Management cell (having qualified person with Environmental Science/Environmental Engineering/Specialization in the project area) equipped with full-	A separate Environmental Management cell (having qualified person with Environmental Science/Environmental Engineering/Specialization in	The unit has already set up a separate environmental management cell equipped with full-

	fledged laboratory facilities shall up to carry out the Environment management and Monitoring functions.	the project area) equipped with full-fledged laboratory facilities shall up to carry out the Environment management and Monitoring functions.	fledged laboratory facilities to carry out the environmental management and monitoring functions, hierarchy has set up as per conditions stipulated.
<b>B. General Conditions</b>			
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 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.	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 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.	Trualt Bioenergy Ltd. Unit 03 ensures that no further expansion or modification in the plant will be undertaken without prior approval from the Ministry of Environment, Forest & Climate Change (MoEFCC)/SEIAA. Prior approval will be sought from the concerned authority if required. In the event of any deviations or alterations in the project proposal from those originally submitted to this Ministry for clearance, the unit guarantees that a fresh reference will be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to incorporate any additional environmental protection measures deemed necessary.
ii	The energy source for lighting purpose shall be preferably LED based or advanced having preference in energy conservation and environment betterment.	The energy source for lighting purpose shall be preferably LED based or advanced having preference in energy conservation and environment betterment.	For Lighting purposes, we prioritizing towards the LED lights for ensuring Energy Conservation and Environment Betterment.
iii	The overall noise levels in and around the plant area shall be kept well within the standards providing	The overall noise levels in and around the plant area shall be kept well within the standards	The overall noise levels in and around the plant area has been

	<p>noise control measures including acoustic hoods, silencers, enclosures, etc. on all source of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>providing noise control measures including acoustic hoods, silencers, enclosures, etc. on all source of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).</p>	<p>maintained well within prescribed standards through the adoption of adequate mitigation measures such as good maintenance practices, installation of acoustic hoods and enclosures at noise sources, and the use of personal protective equipment. Regular noise surveys conducted at strategic locations to monitor the noise levels. Ambient noise level monitoring has been conducted regularly to ensure compliance with prescribed limits. Noise level report attached as <b>Appendix 5</b>.</p>
iv	<p>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.</p>	<p>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.</p>	<p>The company has taken various measures to improve the socio-economic conditions of the surrounding area. The company has implemented the CER activities with the involvement of local villages and administrations. The company is involved in various society welfare programmes and ensures to work efficiently in the future as well.</p>
v	<p>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 Government along with the implementation schedule for all the conditions stipulated herein. The finds so earmarked for environment management / pollution control measures shall</p>	<p>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 Government along with the implementation schedule for all the conditions stipulated herein. The finds so earmarked for environment management / pollution</p>	<p>The company has been obligated to allocate an adequate budget for capital costs and recurring costs per annual expenses to meet the requirements outlined by the Ministry of Environment, Forest</p>

	not be diverted for any other purpose.	control measures shall not be diverted for any other purpose.	and Climate Change, as well as the State Government. This includes adhering to the specified implementation schedule for all conditions mentioned herein. It will be expressly prohibited from redirecting the allocated funds for environmental management or pollution control measures to 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.	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.	The copy of clearance letter was sent to local authorities after it was obtained and no Objections/suggestions were received from them.
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.	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.	The six-monthly compliance reports has submitted to the concerned authorities with supporting documents. The company ensures has post the EC along with six monthly compliance report on the website of company.
viii	The environmental statement for each financial year ending 31 <sup>st</sup> 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	The environmental statement for each financial year ending 31 <sup>st</sup> 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	Acknowledged and industry adhere the condition and will submit the environmental statement for each financial year ending to KSPCB & RO MOEF & CC.

	be sent to the respective Regional Offices of MoEF&CC by e-mail.	compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.	
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 <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . 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 language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	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 <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . 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 language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	It was publicly informed that environmental clearance letter has been obtained from MoEF&CC, Delhi, via public notices in local newspapers Advertisement Publication enclosed as <b>Appendix 6</b> .
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.	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.	The unit will inform both the Regional Office and the Ministry regarding the date of financial closure, final approval of the project by the concerned authorities, and the date of the project's commencement.
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.	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.	The unit understands and acknowledges that Environmental clearance is granted subject to the final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT, and any other Court of Law.
21.	The Ministry reserves the right to stipulated additional conditions, if found necessary at subsequent	The Ministry reserves the right to stipulated additional conditions, if found necessary	The unit noted & accepted.

	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.	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.	
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.	Diligently noted & assured here that we will not conceal factual data or submit false/fabricated data.
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.	Duly noted.
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 2016 and the Public Liability Insurance Act 1991 read with subsequent amendments therein.	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 2016 and the Public Liability Insurance Act 1991 read with subsequent amendments therein.	The unit understands & acknowledges.
25.	This issue with the approval of the competent authority.	This issue with the approval of the competent authority.	The unit understands & acknowledges.
5.	The proposal was appraised by the Expert Appraisal Committee (Industry-2) in its meeting ID-IA/IND2/13394/28/11/2022 held during 28 <sup>th</sup> -29 <sup>th</sup> November, 2022 and EAC meeting (Meeting ID: IA/IND2/13410/21/12/2022) held on 21 <sup>st</sup> – 22 <sup>nd</sup> 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 12 <sup>th</sup> August, 2021. A report along with		The unit duly noted & will continue create the awareness among the workers in the surrounding and outside the

	photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.	premises regards ban of single use plastic.
<b>ii</b>	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. <ul style="list-style-type: none"> <li>No. of Plantation to be planted @2500 plants / Hectare = 4850 nos</li> <li>Actual Plantation done is 4000 nos.</li> <li>Deficit of 850 nos trees to be planted. PP shall ensure that the Deficit in Plantation shall be made up during the 2023 monsoon.</li> </ul>	Acknowledged and industry developed the green belt area @ 33% of total land, 5000 no. of plants with varieties of trees all around the factory premises as per CPCB guidelines in consultation with local DFO.
<b>iii</b>	Domestic sewage generated from the plant premises shall be treated in the sewage Treatment Plant.	Duly noted & complied.
<b>iv</b>	Existing Bagasse fired boilers shall meet the particulate matter emissions within the statutory limit of 50 mg/Nm <sup>3</sup> . 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.	Duly noted & complied.
<b>v</b>	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 basis and 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.	We are monitored on monthly basis & the reports attached as <b>Appendix 7</b>
<b>vi</b>	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. 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.	Duly noted & complied.
<b>vii</b>	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.	The unit already installed continuous online Monitoring System & connected to CPCB/KSPCB server.
<b>viii</b>	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.	Duly noted & complied.
<b>6.</b>	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	The unit duly noted.

	<p>Ministry vide letter no 1- 11011/312/2021-IA II(I) dated 21<sup>st</sup> 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 &amp; conditions and validity as mentioned in EC vide file no. J-11011/312/2021-IA II(I) dated 21st September, 2021 shall remain unchanged.</p>	
7.	<p>This issues with the approval of the competent authority.</p>	<p>Duly noted &amp; Thanks.</p>

## GLIMPSES OF GREEN BELT DEVELOPMENT



## GLIMPSES OF GREEN BELT DEVELOPMENT



## GLIMPSES OF GREEN BELT DEVELOPMENT





# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 and 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 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,  
E-mail : msvbellary2018@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com



TC- 4071

MSVAL/QR/7.8/1

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Trualt Bioenergy Limited, Unit-III  
47/1,47/2,48,72,73,74, Kallapur S K,  
Kanapur S K, Bagalkot-587155, Karnataka, India
- Name of the location : Near Distillery Gate
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sampling Equipments : Sample collected with FDS GTI-131& RDS APM-460
- Duration of Monitoring : 24 Hours
- Date of Monitoring : 27.03.2026
- Date of Sample Receipt : 28.03.2026
- Sample Code : AAQ/2314
- Analysis Starting Date : 28.03.2026
- Analysis Completion Date : 31.03.2026
- Report Issue Date : 01.04.2026
- Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC40712600008736F

S.No	Parameter	Protocols	Units	Results	Standards
1	Particulate Matter PM <sub>10</sub>	IS 5182 (Part-23)	µg / m <sup>3</sup>	76.58	100
2	Particulate Matter PM <sub>2.5</sub>	IS 5182 Part 24	µg / m <sup>3</sup>	35.24	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS 5182 (Part-2)	µg / m <sup>3</sup>	8.35	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-6)	µg / m <sup>3</sup>	17.13	80
5	Ammonia as NH <sub>3</sub>	IS 5182 Part 25	µg/m <sup>3</sup>	5.80	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\*\*\*



- Note: 1. The results listed only to the tested samples & applicable parameters.  
2. Samples Will be disposed after the specified retention period.  
3. This report is not to reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing  
4. Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Bellary Jurisdiction Only.  
5. Sampling is not done by us unless otherwise specified



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 and Accredited by NABL  
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Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,  
E-mail : msvbellary2018@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com



TC- 4071

MSVAL/QR/7.8/1

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Trualt Bioenergy Limited, Unit-III  
47/1,47/2,48,72,73,74, Kallapur S K,  
Kanapur S K, Bagalkot-587155, Karnataka, India
- Name of the location : Near Distillery CPU
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sampling Equipments : Sample collected with FDS GTI-131 & RDS APM-460
- Duration of Monitoring : 24 Hours
- Date of Monitoring : 27.03.2026
- Date of Sample Receipt : 28.03.2026
- Sample Code : AAQ/2315
- Analysis Starting Date : 28.03.2026
- Analysis Completion Date : 31.03.2026
- Report Issue Date : 01.04.2026
- Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407126000008737F

S.No	Parameter	Protocols	Units	Results	Standards
1	Particulate Matter PM <sub>10</sub>	IS 5182 (Part-23)	µg / m <sup>3</sup>	60.21	100
2	Particulate Matter PM <sub>2.5</sub>	IS 5182 Part 24	µg / m <sup>3</sup>	29.45	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS 5182 (Part-2)	µg / m <sup>3</sup>	6.98	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-6)	µg / m <sup>3</sup>	15.30	80
5	Ammonia as NH <sub>3</sub>	IS 5182 Part 25	µg/m <sup>3</sup>	6.26	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\*\*\*



- Note: 1. The results listed only to the tested samples & applicable parameters.  
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C.M.C Ward No 18 & C.T.C W.No.16 T.S No. 695/A/32/B1, Block No 19 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,  
E-mail : msvbellary2018@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com



TC- 4071

MSVAL/QR/7.8/1

## ANALYSIS REPORT OF AMBIENT AIR QUALITY

- Name and Address of Industry : M/s. Trualt Bioenergy Limited, Unit-III  
47/1,47/2,48,72,73,74, Kallapur S K,  
Kanapur S K, Bagalkot-587155, Karnataka, India
- Name of the location : Near Distillation
- Sample Collected By : MSV Analytical Laboratories
- Particulars of the sampling Equipments : Sample collected with FDS GTI-131& RDS APM-460
- Duration of Monitoring : 24 Hours
- Date of Monitoring : 27.03.2026
- Date of Sample Receipt : 28.03.2026
- Sample Code : AAQ/2316
- Analysis Starting Date : 28.03.2026
- Analysis Completion Date : 31.03.2026
- Report Issue Date : 01.04.2026
- Sampling Protocol : IS 5182: Part 14: 2019

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Air ULR No: TC407126000008738F

S.No	Parameter	Protocols	Units	Results	Standards
1	Particulate Matter PM <sub>10</sub>	IS 5182 (Part-23)	µg / m <sup>3</sup>	53.78	100
2	Particulate Matter PM <sub>2.5</sub>	IS 5182 Part 24	µg / m <sup>3</sup>	20.46	60
3	Sulphur Dioxide as SO <sub>x</sub>	IS 5182 (Part-2)	µg / m <sup>3</sup>	6.12	80
4	Oxides of Nitrogen as NO <sub>x</sub>	IS 5182 (Part-6)	µg / m <sup>3</sup>	13.50	80
5	Ammonia as NH <sub>3</sub>	IS 5182 Part 25	µg/m <sup>3</sup>	1.72	400

<b>INFERENCE</b>	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\*\*\*



- Note: 1. The results listed only to the tested samples & applicable parameters.  
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**Consent For Establishment -Expand  
(CFE-EXP)**

**Consent No. CTE-329535 Valid  
upto: 28/10/2026**

**Karnataka State Pollution Control Board  
Parisara Bhavana, No.49, Church  
Street, Bengaluru-560001  
Tele : 080-25589112/3, 25581383  
Fax:080-25586321  
email id: ho@kspcb.gov.in**

Industry Colour: RED Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

**Consent Order No:** CTE-329535

**PCB ID:** 104048

**Date:** 31/01/2022

To,  
The Applicant,  
Mrn Cane Power India Limited Distillery Division  
Badami-Tq, Bagalkot-Dist.

Sir,

Sub: Consent for Expansion of the unit in the Existing premises under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981

- Ref: 1.CFE expansion application submitted by the organization on 21/06/2021 at Regional Office KSPCB  
2. Inspection of the project site by Regional Officer on 26/10/2021  
3. Proceedings of the ECM date 01/01/2022 held on 21/12/2021

With reference to the above, Karnataka State Pollution Control Board hereby accords **Consent for Expansion** of the unit in the existing premises under the Water (Prevention & Control of Pollution) Act, 1974 & the Air (Prevention & Control of Pollution) Act, 1981 at the location indicated below subject to the terms & conditions indicated in Schedule Annexed.

**Location:**

Name of the Industry: Mrn Cane Power India Limited Distillery Division  
Address: Sy No 64 to 70, 72, 73, 74, SY No 64 to 70, 72, 73, 74, Kallapur village, Kulageri hobli  
Industrial Area: Not In I.A, Bagalkot,  
Taluk: Badami, District: Bagalkot

**CONDITIONS:**

1. The Consent for Expansion is granted considering the following activities:
2. This consent for establishment is valid up to 28/10/2026 from the date of issue.
3. The applicant shall not undertake further expansion/diversification without the prior consent of the Board.
4. The applicant shall obtain necessary license/clearance from other relevant statutory agencies as required under the law.

**I. WATER CONSUMPTION:**

1. The source of water shall be from Malaprabha River and shall obtain prior permission from the concerned authority. Total water consumption shall not exceed as indicated below:



**Consent For Establishment -Expand  
(CFE-EXP)**

**Consent No. CTE-329535 Valid  
upto: 28/10/2026**

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Street, Bengaluru-560001  
Tele : 080-25589112/3, 25581383  
Fax:080-25586321  
email id: ho@kspcb.gov.in**

Industry Colour: RED Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

**II. WATER POLLUTION CONTROL:**

1. The discharge from the premises of the applicant shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.
2. The sewage/domestic effluent shall be treated in Septic Tank with Soak pit.No overflow from the soak pit is allowed.The septic tank and Soak pit shall be as per IS 2470 Part-I & Part-II.
3. The Effluent Treatment Plant proposal is generally agreeable and shall be constructed as per the specifications mentioned in the proposal and it shall consist of following units.
4. The industry shall treat the domestic wastewater in the Sewage Treatment Plant (STP) as per the proposal submitted. It shall meet the standards specified in Annexure-I & shall be used on land for gardening/greenbelt within the factory premises.
5. If the treatment plant does not achieve the effluent standards stipulated in this consent order and/ or if it is found to be inadequate, then the industry shall have to modify the units so as to meet the standards with prior consent of the Board.
- 6.All the treatment units shall be totally impervious.
- 7.The applicant shall provide separate flow meter for measuring the quantity of effluents through ETP and separate energy meter and shall maintain a logbook for the verification of inspecting officers.
8. The applicant shall operate and maintain Treatment Plant continuously and maintain at all times to achieve the stipulated standards as per Annexure-I & also maintain regular log-books/operation records.
9. There shall not be any increase in generation of Domestic sewage due to proposed expansion.
10. There shall be no bypass or discharge of effluents either within or outside the factory premises under any circumstances.
11. There shall not be any discharge of untreated trade/domestic sewage inside/outside the industry premises.
12. The applicant shall explore the possibility of reducing freshwater consumption & adopt recycling/ reuse.

**III. AIR POLLUTION CONTROL:**

1. The type of emissions, stack heights and the air pollution control equipment for the air pollution control sources to be installed as specified in **Annexure-II**.
2. The discharge of emissions from the air pollution sources shall pass through the stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.
3. The stacks shall have port holes and platforms as per the guidelines specified in **Annexure-II** to facilitate monitoring of emissions.
4. The applicant shall upgrade/modify/replace the control equipments if they are found inadequate to meet the standards stipulated with Prior permission of the Board shall be obtained for the same.
5. There shall not be any other sources of air pollution from the proposed expansion.
6. If there is going to be any new air pollution sources in future, the project authorities shall apply and obtain consent for establishment for the same from the Board.
7. Any fugitive emission has to be controlled to meet the ambient air quality standards.

**IV. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:**

1. The applicant shall collect, treat and dispose off all solid waste generated during construction i.e. Muck, and Garbage after construction if any in such manner so as not to cause environmental pollution.
2. The details of solid waste generated from the expansion activity shall be as follows



**Consent For Establishment -Expand  
(CFE-EXP)**

**Consent No. CTE-329535 Valid  
upto: 28/10/2026**

**Karnataka State Pollution Control Board  
Parisara Bhavana, No.49, Church  
Street, Bengaluru-560001  
Tele : 080-25589112/3, 25581383  
Fax:080-25586321  
email id: ho@kspcb.gov.in**

Industry Colour: RED Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

**V. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUNDRY MOVEMENT)  
RULES 2016:**

1. The industry shall apply and obtain authorization under Hazardous and Other Wastes (Management & Transboundary Movement) Rules 2016, and comply with the conditions of the authorization. The applicant shall apply for authorization along with the consent for operation (CFO) application under the Rules in Form-I to obtain authorization and comply with conditions.
2. There shall not be any Hazardous Waste generation from the proposed expansion project.

**VI. NOISE POLLUTION CONTROL:**

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

- a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.
- b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.
- c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.
- d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - \* Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

- \* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- \* A “decibel” is a unit in which noise is measured.
- \* “A”, in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- \* Leq: It is an energy mean of the noise level over a specified period.

**VII. GENERAL CONDITIONS:**

1. The applicant shall transport and store the raw materials in a manner so as not to cause any damage to environment, life and property. The applicant shall be solely responsible for any damages to environment.
2. The applicant shall not commission the proposed plant for trial or regular production unless necessary pollution control measures are installed as specified in this Consent Order.
3. The applicant shall ensure that the treatment plant and control equipments are completed and commissioned simultaneously along with construction of the factory and erection of machineries.
4. The applicant shall not change or alter (a) raw materials or manufacturing process, (b) change the products or product mix (c) the quality, quantity or rate of discharge/emissions and (d) install/replace/alter the water or air pollution control equipments without the prior approval of the Board.



**Consent For Establishment -Expand  
(CFE-EXP)**

**Consent No. CTE-329535 Valid  
upto: 28/10/2026**

**Karnataka State Pollution Control Board  
Parisara Bhavana, No.49, Church  
Street, Bengaluru-560001  
Tele : 080-25589112/3, 25581383  
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Industry Colour: RED Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

5. The applicant shall immediately report to the Board of any accident or unforeseen act or event resulting in release of discharge of effluents or emissions or solid wastes etc. in excess of the standards stipulated. And the industry shall immediately take appropriate corrective and preventive actions under intimation.
6. The applicant is liable to reinstate or restore, damaged or destroyed elements of environment at his cost, failing which, the applicant/occupier as the case may be shall be liable to pay the entire cost of remediation or restoration in advance an amount equal to the cost estimated by Competent Agency or Committee.
7. The Board reserves the right to review, impose additional condition or conditions, revoke, change or alter the terms and conditions.
8. This CFE does not give any right to the Party/Project Authority/Industry to forego any *other* legal requirement that is necessary for setting/operation of the plant.
9. The applicant shall furnish point wise compliance to the conditions given under this consent for establishment within 30 days.
10. The applicant shall take measures to develop green belt all along the periphery of the factory premises.
11. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
12. The applicant shall comply with all the Conditions and guidelines issued by the Board from time to time.

Please note that this is only consent for establishment issued to you to proceed with the formalities for expansion of the industry and does not give any right to proceed trial/regular production. For this purpose, separate consents of the Board for discharge of liquid effluent and the emissions to the air shall have to be obtained by remitting prescribed consent fee. The application for consent has to be made 45 days in advance of commissioning for trial production of the plant.

The receipt of this letter may please be acknowledged.

Consent Fee paid : Rs. 250000

**NOTE:**

The Conditions II(4), III(1,2,3) mentioned in the schedule are not applicable.

**Additional Conditions:**

1. The occupier shall comply with all the additional terms and conditions stipulated in Annexure- I attached here.
2. This consent order contains 9 pages including Annexures.

FOR AND ON BEHALF OF

KARNATAKA STATE POLLUTION CONTROL  
BOARD

**Encl.: Annexure-I & II.**



**Consent For Establishment -Expand (CFE-EXP)**

**Consent No. CTE-329535 Valid upto: 28/10/2026**

**Karnataka State Pollution Control Board  
Parisara Bhavana, No.49, Church Street, Bengaluru-560001  
Tele : 080-25589112/3, 25581383  
Fax:080-25586321  
email id: ho@kspcb.gov.in**

Industry Colour: RED Industry Scale: LARGE

(This document contains 5 pages including annexure & excluding additional conditions)

**COPY TO:**

1. The Environmental Officer, KSPCB, Regional Office Bagalkote for information and necessary action.
1. Master copy (Dispatch).
2. Office copy.

Chimney No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed, in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	Boiler	52 TPH Incineration Boiler	85	PM(mg/NM3), SO2 (PPM), NOx(PPM)	150,100,50	BAG	FIL	Before commissioning.

Note:

FIL : Bag Filter

**LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.**

**1. Location of Portholes and approach platform:**

Portholes shall be provided for all Chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to at least eight times the stack or duct diameter downstream from any flow disturbance such as bend, expansion, contraction and visible flame. Further, the selected port has to be at least 2 stack/duct diameter before stack/duct exit or from any other flow disturbance. For rectangular stacks, an equivalent diameter can be calculated using following expression.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period.
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point off 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

*Signature Not Verified*

Digitally signed by  
Date: 2022.01.31 17:15:32  
+05:30



**Annexure-I**  
**Additional Conditions**

[MRN cane]

1. This consent for Establishment is valid for five years.
2. This CFE-Expansion is issued for increasing the production of Rectified Spirit/ Extra Neutral Alcohol of capacity from 65 KLD to Ethanol of capacity 400 KLD (with multi feed stock C- heavy molasses/ B- heavy Molasses /sugarcane juice/syrup/ grains) or RS/ ENA of 65 KLD + Ethanol of 335 KLD and to establish Captive Power Plant of capacity 8 MW under Ethanol Blended with Petrol (EBP) program.
3. The authorities have paid Rs.2,50,000/- as Consent fee for 5 years based on the CI of Rs. 226.50/- Crores. The applicant shall pay the balance fee, if any, after the final notification of revised consent fee and as per the affidavit submitted by the industry.
4. The industry authorities shall comply with the conditions stipulated in the Environment Clearance issued from MoEF & CC for the Expansion of distillery for increasing ethanol capacity from 65 KLD to 400 KLD using C-heavy molasses/ B-heavy molasses/ sugar syrup/ grains as feedstock vide No. IA-J-11011/312/2021-IA-II(I) dated: 21-09-2021.
5. The industry shall comply with all the conditions stipulated in the EC issued from MoEF & CC for Establishment of Integrated Sugar Unit of 5000 TCD capacity, Distillery of 65 KLD capacity along with Co-Generation Power plant of 35 MW vide F No. J-11011/411/ 2014 IA-II(I) dated: 28.08.2016.
6. The applicant shall comply with all the conditions stipulated in the CFO issued for the period upto 30.06.2023 by the Board vide consent order No. AW 315968 dated 25.11.2019.
7. The water consumption after the proposed Expansion activity for both domestic and industrial activity shall be as below:

**Water consumption in KLD**

**a. Fresh Water requirement by Distillery unit & Captive Power Plant:**

Sl. No	Combination of production in 400KLD distillery	Fresh Water	Fresh Water	Recycled water in KLD	Total water requirement in KLD
		KL/ KL of Ethanol	KL/ KL of Ethanol		
1	Using C-Heavy Molasses	1404	3.51	2245	3649
2	Using B-Heavy Molasses	1255	3.14	2402	3657
3	Using Sugar syrup	946	2.37	2594	3540
4	Using Grains	1090	2.73	2495	3585
b. Domestic Use = 10 KLD					
c. Gardening = 40 KLD					

**The details of Waste water Generation after the proposed Expansion activity for both domestic and industrial activity shall be as below:**

8. The domestic sewage generation of quantity 8.5 KLD from distillery unit shall be treated in septic tank and soak pit. The industry shall explore the possibility of providing the STP for treating the sewage and proposal in this regard shall be submitted to the Board for approval. Or Treat the sewage through bar Screen chamber and take the sewage in to Aeration tank for final treatment and disposal. Treated sewage may be discharged along with treated trade effluent following the procedure.

9. The raw spent wash of quantity 2400 KLD (i.e., 6KL/ KL of Alcohol) generated from distillery by using B-Heavy/ Syrup shall be stored in lined spent wash lagoons and same shall be concentrated by evaporation in Multiple Effect Evaporator.
10. The quantity of Concentrated spent wash generated from distillery using C-Heavy Molasses shall not exceed 713 KLD (i.e., 1.78 KL/KL of Alcohol) or using B-Heavy Molasses shall not exceed 612 KLD (i.e., 1.53 KL/KL of Alcohol) or using Sugar Cane Syrup shall not exceed 408 KLD (i.e., 1.02 KL/KL of Alcohol) and same shall be used as fuel in the incineration boiler.
11. The Raw spent wash of quantity 2400 KLD (i.e., 6 KL/ KL of Alcohol) generated from the distillery using grain as feedstock shall be treated in decanter and thin slop of capacity 1448 KLD (i.e., 3.62 KL/ KL of Alcohol) shall be sent to drier to produce DDGS.
12. The Condensate generated from MEE and spent lees shall be treated along with other lean effluent viz., DM regenerate, boiler blow-down, cooling tower bleed, Lab washings, scrubber in distillery CPU. The existing distillery CPU of 1470 KLD shall be upgraded to 2500 KLD capacity for treating the effluent generated after the proposed expansion activity.
13. The treated waste water from distillery CPU shall be recycled to process, cooling tower makeup and CO2 scrubber.
14. The Details of spent lees, Condensate from MEE and utility effluent generation when different feedstock is used is given in table below:

Feed Stock	Spent lees	Condensate from MEE	Other lean effluents
Using C-Heavy Molasses	626	1325	412
Using B-Heavy Molasses	714	1429	380
Using Sugar Syrup	742	1632	340
Using Grains	496	1081	323

15. The applicant shall treat the domestic sewage in Septic tank followed by soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470, Part –I & Part –II.

**I. Waste water management from Distillery expansion:**

- a. The spent wash generated from the process after the proposed expansion shall be collected in the lined impervious lagoon and the same shall be treated in the Multiple Effect Evaporator with incineration boiler.
  - b. Industry shall treat the process condensate generated during the evaporation process in the Condensate Polishing Unit.
  - c. There shall not be any leakages, stagnation of trade effluent in the nearby water body existing to the lagoons.
  - d. All the lagoons shall be made impervious and regular monitoring of ground water shall be carried out in the Bore well/ Open well.
  - e. All the lagoons shall be constructed above ground level.
  - f. The applicant shall provide the impervious collection sump to collect the molasses spillages before start of this crushing season.
  - g. The applicant shall improve the house keeping within the industrial area.
  - h. The applicant shall use the yeast sludge in the compost yard to prepare bio compost and sell to the farmers.
  - i. The Baggasse shall be used as fuel in the boiler.
16. Industry shall explore the possibility of treating the sewage by providing STP of required capacity within six months time adopting suitable technology for sustaining operations

even during the lean period as the domestic sewage generation is 8.5 KLD. Industry shall submit the details of source of domestic sewage along with plan of action for providing STP.

17. The applicant shall not dig the new Bore wells within the premises.
18. The applicant shall take suitable steps so that there will be reduction of the fresh water consumption as well as waste water generation from the industry.
19. The applicant shall construct the wind breaking walls to prevent the spread of fugitive emission.
20. The applicant shall not store untreated/partially treated effluents in the unlined lagoons and the entire effluent shall be treated and used for irrigation following the consent conditions.
21. The analysis of treated trade effluent shall never exceed the stipulated standard and in any case the treated effluent is exceeding the standard the applicant shall take appropriate step to maintain the ETP units to ensure treated water always complies with the stipulated standard.

#### **B. DISCHARGE OF EMISSIONS UNDER THE AIR ACT:-**

- 1 There shall not be any new Air Pollution Sources from the proposed activity.
- 2 Fugitive emission near manufacturing area has to be controlled by adopting advance technology. Progress made in this regard shall be furnished.
- 3 If there is going to be any new air pollution sources in future, the project authorities shall apply and obtain consent for establishment for the same from the Board.
- 4 The analysis of stack monitoring shall never exceed the stipulated standard and in any case the stack analysis is exceeding the standard the applicant shall take appropriate step to maintain the air pollution control equipment to ensure stack emission always complies with the stipulated standard.

#### **C. HAZARDOUS WASTES (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES 2016:**

1. The industry shall apply and obtain authorization under Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2016, and comply with the conditions of the authorization. The applicant shall comply with the terms and conditions stipulated in authorization.
2. The applicant shall dispose the empty raw material cans back to the supplier and shall maintain the manifesto to this process. The details shall be submitted to the Board.
3. The Yeast sludge shall be blended with spent wash and the same shall be used for preparation of bio composting and the log book of quantity of yeast sludge disposed shall be submitted to Regional Office regularly.
4. The applicant shall use the boiler ash in the bio compost and the log book of quantity of ash used for bio compost shall be submitted to Regional Office regularly.

#### **D. GENERAL CONDITIONS**

1. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
2. The Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
3. The Noise generated in the factory shall be within the prescribed limits of 75 dB (A) leq. During day time and 70 dB (A) leq during night time.

4. The applicant shall comply with the noise standards for work zone exposure for industrial workers as per the Factories Act/Noise Pollution (Regulation and Control) Rules, 2000.
5. There shall not be any complaint against the industry on water, air, noise pollution from the surrounding general public.
6. The applicant shall carryout intensive plantation/ thick vegetation all round to minimize air & noise pollution. The action taken report shall be submitted to the Board immediately.
7. The applicant shall not discharge treated water/untreated water in to the water body at any point of time.
8. The industry shall provide rain water harvesting system within the premises to conserve the Water Source.
9. The industry shall provide 15 days storage tank for storing treated trade effluent.
10. The applicant shall always ensure that the bagasse & boiler ash shall not be stored in an open land, which may cause dust nuisance in the surrounding area during wind blow.
11. The applicant shall store the metal scrap, plastic waste, glass wool and other solid waste scientifically in a designated separate shed within the industrial premises and the same shall be handed over to authorized recycler/agency with proper approval from the Board.
12. The applicant shall store the used containers scientifically in a designated separate shed within the industrial premises and the same shall be handed over to authorized recycler/agency with proper approval from the Board.
13. The industry shall provide online emission monitoring system, effluent monitoring system and the data shall be connected to CPCB and SPCB server as per CPCB directions.
14. The industry shall provide separate energy meter to the ETP and flow meter to inlet and outlet of ETP.
15. The applicant shall conduct intensive awareness programs on e- waste management, Plastic Waste management program to public including nearby school children.
16. The applicant shall conduct Environmental audit of different Environmental attributes for conservation of resources.

For and on behalf of the KSPCB

  
**SENIOR ENVIRONMENTAL OFFICER**



**Karnataka State Pollution Control Board**  
Parisara Bhavana, No.49, Church Street, Bengaluru-560001

Tele : 080-25589112/3,  
25581383/388

Fax:080-25586321

Email id: ho@kspcb.gov.in

**Consent For Operation(CFO-Air,Water) - (CfO-Expand)**

**As per the provisions of  
The Water (Prevention & Control of Pollution) Act, 1974  
&  
The Air (Prevention & Control of Pollution) Act, 1981**

To

**TruAlt Bio Energy Limited- Unit-3, SY No 64 to 70, 72, 73, 74, Kallapur  
village, Kulageri hobli**

for the Facility located at,

**TruAlt Bio Energy Limited- Unit-3, Sy No 64 to 70, 72, 73, 74 ,SY No 64 to 70, 72,  
73, 74, Kallapur village, Kulageri hobli**

**Bagalkot**

Consent Order No	PCBID	INW ID	Industry Colour/Scale	Date of Issue
AW-346588	104048	282640	RED/LARGE	24/12/2024

**This Consent is granted for the Products/ Activity/Service name indicated  
in the annexure along with the terms & conditions attached to this order**

**Validity through: 24/12/2024 to 30/06/2028**



**ISO 9001:2015 & 14001:2015 Certified**

Combined Consent Order No: AW-346588

PCB ID: 104048

GSC No : PBOXG0000272640

Date: 24/12/2024

**Combined consent for discharge of effluents under the Water (Prevention and Control of Pollution) Act , 1974 and emission under the Air (Prevention and Control of Pollution)Act , 1981**

Ref: 1. Application filed by the applicant/organization on 28/10/2024  
 2. Inspection of the Industry/organization/by RO, on 28/10/2024  
 3. Proceedings of the ECM dated 02/12/2024 ,held on 29/11/2024

Consent is hereby granted to the Occupier under Section 25(4) of the Water (Prevention & Control of Pollution) Act, 1974 ( herein referred to as the Water Act) & Section 21 of Air (Prevention & Control of Pollution) Act, 1981, ( herein referred to as the Air Act) and the Rules and Orders made there under and authorized the Occupier to operate /carryout industry/activity & to make discharge of the effluents & emissions confirming to the stipulated standards from the premises mentioned below and subject to the terms and conditions as detailed in the Schedule Annexed to this order.

**Location:**

Name of the Industry: TruAlt Bio Energy Limited- Unit-3

Address: Sy No 64 to 70, 72, 73, 74, SY No 64 to 70, 72, 73, 74, Kallapur village, Kulageri hobli

Industrial Area: Not In I.A, Bagalkot,

Taluk: Badami, District: Bagalkot

**CONDITIONS:**

**a) Discharge of effluents under the Water Act:**

Sr	Water Code	WC(KLD)	WWG(KLD)	Remark
1	Domestic Purpose	10.000	8.500	Refer additional conditions.
2	Manufacturing Processes	1274.000	1402.000	Lean effluents from process. Refer additional conditions
3	Others .....	0.000	1440.000	Raw Spent wash. Refer additional conditions

**b) Discharge of Air emissions under the Air Act from the following stacks etc.**

Sl. No.	Description of chimney/outlet	Limits specified refer schedule
The details of Sources, control equipments and its specification, type of fuel, constituents to be controlled in emissions etc. are detailed in Annexure-II.		

The consent for operation is granted considering the following activities/Products;

Sr	Product Name	Applied Qty	Unit
1	captive power plant	8.0000	Mega Watt
2	Multifeed distillery ( C/ B Heavy molasses /cane syrup) to produce ethanol - 400 klpd or rs / ena- 65 klpd + ethanol- 335 klpd	400.0000	Kilo Litres/Day

**Validity through :** 24/12/202 to 30/06/2028  
4

To,

TruAlt Bio Energy Limited- Unit-3

Badami-Tq, Bagalkot-Dist.

**COPY TO:**

The Environmental Officer, KSPCB, Regional Office Bagalkote for information and necessary action.

2. Master Register.
3. Case file.

Consent Fee paid	: Rs. 2500000
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**SCHEDULE****TERMS AND CONDITIONS****A. TREATMENT AND DISPOSAL OF EFFLUENTS UNDER THE WATER ACT.**

1. The discharge from the premises of the occupier shall pass through the terminal manhole/manholes where from the Board shall be free to collect samples in accordance with the provisions of the Act/Rules made there under.
- 2(a). The sewage/domestic effluent shall be treated in septic tank and with soak pit. No overflow from the soak pit is allowed. The septic tank and soak pit shall be as per IS 2470 Part-I & Part-II.
- 2(b). The treated sewage effluent discharged shall conform to the standards specified in Annexure-I.
- 3(a). The trade effluent generated in the industry shall be treated in the ETP and treated effluent shall confirm to the standards stipulated by the Board in Annexure-I
- 3(b). The trade effluent shall be handed over to CETP and maintain logbook of effluent generated & sent every day.
4. The applicant shall install flow measuring/recording devices to record the discharge quantity and maintain the record.
5. The applicant shall not change or alter either the quality or the quantity or the place of discharge or temperature or the point of discharge without the previous consent/ permission of the Board.
6. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. Storm water shall not be allowed to mix with the effluents on the upstream of the terminal manhole where the flow measuring devices are installed.
7. The daily quantity of domestic effluent and trade effluent from the industry shall not exceed the limits as indicated in this consent order:
8. The applicant shall discharge the effluents only to the place mentioned in the Consent order and discharge of treated/untreated outside the premises is not permitted.

**B. EMISSIONS:**

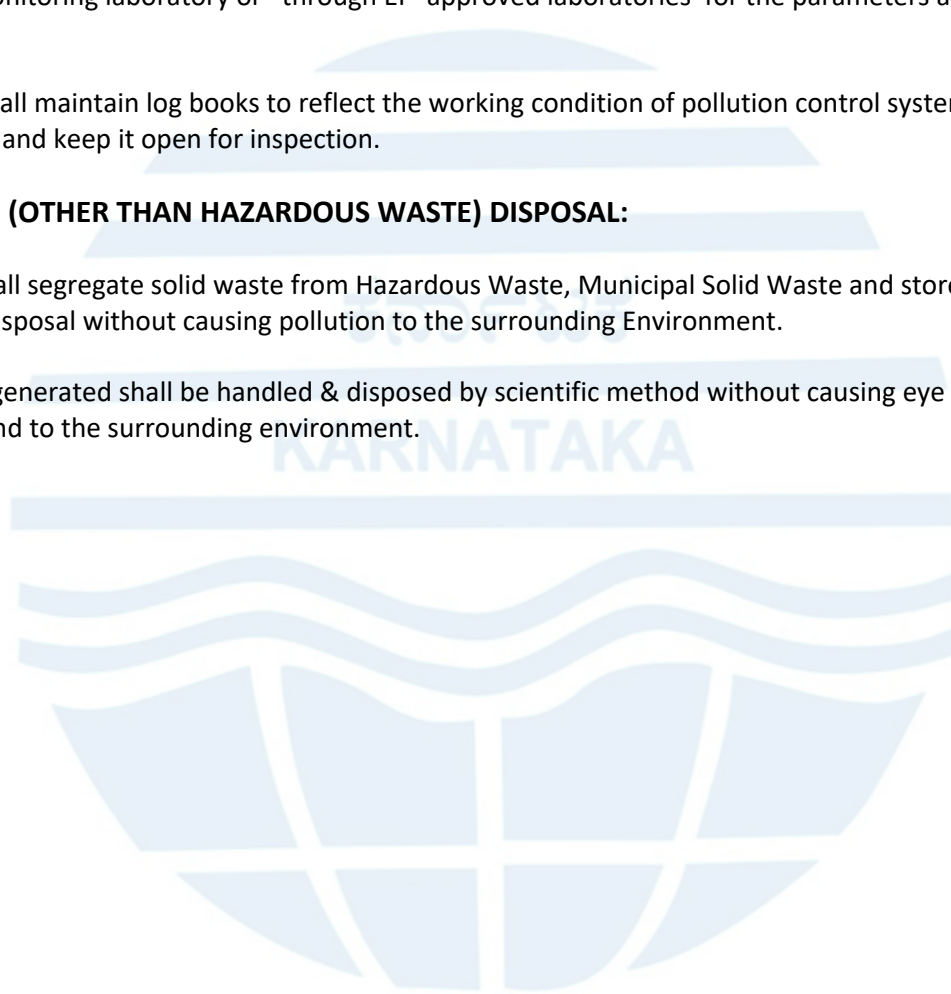
1. The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in **Annexure-II** where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under. The tolerance limits of the constituents forming the emissions in each of the stacks shall not exceed the limits laid down in Annexure-II.
2. The applicant shall provide port holes for sampling of emission, access platforms for carrying out stack sampling, electrical points and all other necessary arrangements including ladder as indicated in Annexure-II.
3. The applicant shall upgrade/modify/replace the control equipment with prior permission of the Board.

**C. MONITORING & REPORTING:**

1. The applicant shall get the samples of effluents & emissions collected and get them analyzed once a month/either by in house monitoring laboratory or through EP approved laboratories for the parameters as Indicated in Annexure I & II.
2. The applicant shall maintain log books to reflect the working condition of pollution control systems and also self monitoring results and keep it open for inspection.

**D. SOLID WASTE (OTHER THAN HAZARDOUS WASTE) DISPOSAL:**

1. The applicant shall segregate solid waste from Hazardous Waste, Municipal Solid Waste and store it properly till treatment/disposal without causing pollution to the surrounding Environment.
2. The solid waste generated shall be handled & disposed by scientific method without causing eye sore to the general public and to the surrounding environment.



**E. NOISE POLLUTION CONTROL:**

The applicant shall ensure that the ambient noise levels within its premises during construction and during operational period shall not exceed w.r.t Area/Zone as per Noise Pollution (Regulation and Control) Rules, 2000 as mentioned below:-

- a) In Industrial Area 75 dB(A) Leq during day time and 70 dB(A) Leq during night time.
- b) In Commercial Area 65 dB(A) Leq during day time and 55 dB(A) Leq during night time.
- c) In Residential Area 55 dB(A) Leq during day time and 45 dB(A) Leq during night time.
- d) In Silence Zone 50 dB(A) Leq during day time and 40 dB(A) Leq during night time.

Note: - \* Day time shall mean 6 am to 10 pm and Night time shall mean 10 pm to 6 am.

- \* dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
- \* A “decibel” is a unit in which noise is measured.
- \* “A”, in dB(A) Leq, denotes the frequency weighting in the measurement of noise and corresponds to frequency response characteristics of the human ear.
- \* Leq: It is an energy mean of the noise level over a specified period.

**F. HAZARDOUS AND OTHER WASTES (MANAGEMENT & TRANSBOUDARY MOVEMENT) Rules 2016:**

The applicant shall comply with the provisions of the Hazardous and other Wastes (Management & Transboundry Movement) Rules 2016.

**G. GENERAL CONDITIONS:**

1. The applicant shall obtain prior permission from the competent authority for drawing of water from Surface/Ground water source and submit a copy of the same to the Board.
2. The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises.
3. The applicant shall promptly comply with all orders and instructions issued by the Board from time to time or any other officers of the Board duly authorized in this behalf.
4. The applicant shall set-up Environmental Cell comprising of qualified and competent personnel for complying with the conditions specified.
5. The Board reserves the right to review, impose additional conditions, revoke, change or alter terms and conditions of this consent.
6. The applicant shall forthwith keep the Board informed of any accidental discharge of emissions/effluents into the atmosphere in excess of the standards laid down by the Board. The applicant shall also take corrective steps to mitigate the impact.
7. The applicant shall provide alternate power supply sufficient to operate all Pollution control equipments.

8. The entire premises shall always be kept clean. The effluent holding area, inspection chambers, outlets, flow points should be made easily approachable.
9. The applicant shall display the consent granted in a prominent place for perusal of the inspecting officers of the Board.
10. The applicant his heirs, legal representatives or assignee shall have no claims whatsoever to the continuation or renewal of this consent after expiry of the validity of consent.
11. The applicant shall make an application for consent for subsequent period at least 120 days before expiry of this consent.
12. The applicant shall develop and maintain adequate green belt all around the periphery.
13. The applicant shall provide rain water harvesting system and shall provide proper storm water management system.
14. This consent is issued without prejudice to any Court Cases pending in any Hon'ble Court
15. The applicant shall furnish the Environmental statement for every financial year ending with 31st March in Form-V as per Environment (Protection) Rules, 1986. The statement shall be furnished before the end of September.
16. The applicant shall display flow diagram of the pollution control system near the pollution control system/s

**NOTE:**

The Conditions Nil mentioned in the schedule are not applicable.

**Additional Conditions:**

1. The occupier shall comply with all the Additional Conditions and Standards stipulated in Annexure 1, A & B attached with this consent order.
2. This consent order contains 14 pages including Additional Conditions and Annexures.
3. The products with quantities, water consumption, waste water generation, mode of disposal with standards, air pollution sources with control measures mentioned in Additional Conditions attached with this order shall be considered and to be complied by the industry.
4. This Consent for Operation - Expansion (CFO - Exp) order is valid for the period upto 30.06.2028 concurrent with the validity of the current CFO.
5. This CFO is issued for operating the multi-feed stock (C/B Heavy molasses/ Cane syrup) distillery unit to produce:
  - a. Ethanol - 400 KLPD or RS/ENA of 65 KLD + Ethanol of 335 KLD and
  - b. Captive Power Plant – 8 MW
5. This CFO-Exp order is issued including the activities / products indicated in the current CFO order. Therefore, the current CFO order No. AW-342328 PCB ID: 104048 dated: 05.03.2024 shall be treated as null and void from the date of issue of this Order.
6. The applicant shall strictly adhere to the time bound commitments as below made vide their Undertaking letter dated 5.12.2024 and the compliance shall be reported to the Board.
  - a. Installation of Sewage Treatment Plant – On or before 6.3.2025.
  - b. Installation of CO2 Plant – On or before 31.03.2025.

Chimney No.	Chimney attached to	Capacity/ KVA Rating	Minimum chimney height to be provided above ground level (in Mts)	Constituents to be controlled in the emission	Tolerance limits mg/NM3	Fuel	Air pollution Control equipment to be installed, in addition to chimney height as per col.(4)	Date of which air pollution control equipments shall be provided to achieve the stipulated tolerance limits and chimney heights conforming to stipulated heights.
1	Boiler	52 TPH Incineration Boiler	85	PM,SO2,NOx,C O, NMHC	115,-,-,-,-	BAG	FIL,PRT	At all times

Note:

FIL,PRT : Bag Filter

**Note:**

1. The DG set shall be provided with acoustic measures as per SI.No.94 in Schedule-I of Environment (Protection)Rules.
2. There shall be no smell or odour nuisance from the industry.

**LOCATION OF SAMPLING PORTHOLES, PLATFORMS, ELECTRICAL OUTLET.**

1. Location of Portholes and approach platform:

Portholes shall be provided for all chimneys, stacks and other sources of emission. These shall serve as the sampling points. The sampling point should be located at a distance equal to atleast eight times the stack or duct diameters downstream and two diameters upstream from source of low disturbance such as a Bend, Expansion, Construction Valve, Fitting or Visible Flame for rectangular stacks, the equivalent diameter can be calculated from the following equation.

$$\text{Equivalent Diameter} = \frac{2 (\text{Length} \times \text{Width})}{(\text{Length} + \text{Width})}$$

2. The diameter of the sampling port should not be less than 100 mm dia". Arrangements should be made so that the porthole is closed firmly during the non sampling period
3. An easily accessible platform to accommodate 3 to 4 persons to conveniently monitor the stack emission from the portholes shall be provided. Arrangements for an Electric Outlet Point of 230 V 15 A with suitable switch control and 3 Pin Point shall be provided at the Porthole location.
4. The ladder shall be provided with adequate safety features so as to approach the monitoring location with ease.

*Signature Not Verified*  
 Digitally signed by \_\_\_\_\_  
 Date: 2024.12.24 10:40:12  
 Karnataka State Pollution Control Board

**ANNEXURE -1**  
**[PCB ID: 104048]**

**ADDITIONAL CONDITIONS TO ACCOMPANY CONSENT FOR OPERATION – EXPANSION (CFO-EXP) ISSUED TO M/S. TRUALT BIOENERGY LTD., UNIT-3, SY. NO. 64 TO 70, 72,73,74 OF KALLAPUR VILLAGE, KULAGERI HOBLI BADAMI TALUK, BAGALKOT DISTRICT.**


<b>A</b>	<b>GENERAL</b>
1	This Consent for Operation - Expansion (CFO - Exp) order <b>is valid for the period upto 30.06.2028 concurrent with the validity of the current CFO.</b>
2	This CFO Order is issued from water and air pollution point of view under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act 1981.
3	This CFO is issued for operating the multi-feed stock (C/B Heavy molasses/ Cane syrup) distillery unit to produce; <b>a. Ethanol - 400 KLPD or RS/ENA of 65 KLD + Ethanol of 335 KLD and</b> <b>b. Captive Power Plant – 8 MW</b>
4	This CFO-Exp order is issued including the activities / products indicated in the current CFO order. Therefore, the current CFO order No. AW-342328 PCB ID: 104048 dated: 05.03.2024 shall be treated as null and void from the date of issue of this Order.
5	The applicant shall comply with the terms and conditions of the Environment Clearance issued by MoEF&CC, New Delhi vide No. J-11011/312/2021-IA-II, dated: 27.06.2023.
6	The applicant shall strictly adhere to the time bound commitments as below made vide their Undertaking letter dated 5.12.2024 and the compliance shall be reported to the Board. <b>a. Installation of Sewage Treatment Plant – On or before 6.3.2025.</b> <b>b. Installation of CO<sub>2</sub> Plant – On or before 31.03.2025.</b>
7	The project authorities shall obtain all other statutory permissions under all such Acts whichever is applicable. This consent will not prevent operation of other laws in force. Failing to comply with any such provision will attract penal action under such Acts. The project authorities shall be solely responsible for such violations. This consent should not be used to circumvent any other statutory provisions.
<b>B</b>	<b>WATER POLLUTION CONTROL</b>
1	The source of water is Malaprabha River. The industry shall comply with the terms and conditions of the permission given by KNNL/ WRD, GoK for drawing River water. The fresh water consumption shall not exceed 1284 KLD.
2	The industry shall provide flow meter for recording the daily fresh water consumption.



3	The details of wastewater generation for various feedstock options and mode of treatment shall be as follows:				
	Wastewater stream	C-Heavy Molasses	B-Heavy Molasses	Cane Syrup	Mode of treatment and disposal
	Domestic	8.5	8.5	8.5	The applicant shall install Sewage Treatment Plant (STP) within 06.03.2025 as per the undertaking and the treated sewage shall be used for gardening within the premises. The treated sewage shall conform to the standards stipulated in <b>Annexure- A</b> before discharge. Till such time, the sewage shall be disposed to septic tank and soak pits designed as per IS 2470:1985, Part -1 & 2. There shall not be any overflow from the <b>septic tank /soak pits</b> .
	Spent Lees	630	718	746	Shall be recycled to Cooling Tower as make up water
	Laboratory	10	10	10	The lean effluents from the distillery shall be treated in CPU of capacity 1470 KLD and the treated water shall be completely recycled for process and utilities to achieve ZLD.
	Cooling Tower blow down	190	158	118	
	MEE Condensate	1161	1153	1224	
	Boiler Blowdown	24	24	24	
	DM Plant reject	17	17	17	
	Spent wash	1440	1320	1200	The spent wash shall be concentrated in the MEE and the conc. Spent wash shall be burnt in the incineration boiler to achieve ZLD.
	Conc. Spent wash	397	288	96	
4	The industry shall adopt <b>Zero Liquid Discharge (ZLD) system</b> for managing the effluent from the distillery unit irrespective of the raw material used.				
5	The applicant shall maintain adequate freeboard in the STP/CPU units to avoid any overflow at any point of time.				
6	The applicant is liable to upgrade / modify the treatment system, if it fails to treat the effluent to the standards stipulated by the Board.				
7	The industry shall not discharge any treated/ untreated trade effluent on-land or into nalas/ drains / water bodies at any point of time.				
<b>C</b>	<b>SPENT WASH MANAGEMENT</b>				
1	The industry shall provide impervious/lined tanks constructed above ground level for storing the Raw Spent Wash / Concentrated Spent Wash in case of emergency.				
2	There shall not be any leakages, stagnation of Spent Wash				
3	The applicant shall ensure that no spent wash /effluent is by passed on land or into water body (stream, lake, nala etc) so as to avoid surface or subsurface water pollution.				
4	The applicant shall record the quantity of spent wash and other effluents generated and maintain a record. The recorded data shall be submitted to the jurisdictional Regional Officer on monthly basis.				
5	The applicant shall synchronize the generation of spent wash, evaporation activity and incineration.				
6	The applicant shall take all necessary measures to avoid odour nuisance both from the process and from the effluent handling.				
7	The industry shall provide piezometer wells around Spent Wash storage tanks and monitor the ground water as per the MoEF & CC Notification No. S.O.2151, dated 17.6.2005 every month.				



<b>D</b>	<b>MOLASSES MANAGEMENT</b>															
1	There shall not be any leakages, stagnation of Molasses.															
2	The applicant shall ensure that no Molasses/effluent is by passed on land or into water body (stream, lake, nala etc) so as to avoid surface or subsurface water pollution.															
3	The applicant shall store the molasses in covered steel tanks only with proper safety measures. Dyke walls of sufficient height shall be provided around the molasses storage tanks.															
4	The applicant shall obtain permission from the Board to dispose-off any spoiled molasses and shall be disposed-off in the manner as specified by the Board.															
5	The applicant shall conduct leak proof test for Molasses storage Tank once in a year and submit report to the Board.															
<b>E</b>	<b>AIR POLLUTION CONTROL</b>															
1	The discharge of emissions from the premises of the applicant shall pass through the air pollution control equipment and discharged through stacks/chimneys mentioned in <b>Annexure-B</b> where from the Board shall be free to collect the samples at any time in accordance with the provisions of the Act and Rules made there under.															
2	If there is going to be any new air pollution sources in future, the project authorities shall apply and obtain consent for establishment for the same from the Board.															
3	Stipulated chimney height and air pollution control devices shall be installed to all the sources to meet the desired emission standards before commissioning of the industry.															
<b>E</b>	<b>SOLID WASTE MANAGEMENT</b>															
1	The details of solid wastes generated and mode of disposal shall be as follows.															
	<table border="1"> <thead> <tr> <th>Details of the solid waste</th> <th>Quantity in TPD</th> <th>Mode of disposal / Treatment</th> </tr> </thead> <tbody> <tr> <td>CPU sludge</td> <td>0.212</td> <td rowspan="3">Mixed with press mud of sister concern sugar unit and disposed to farmers for using as manure.</td> </tr> <tr> <td>Fermentation sludge</td> <td>09</td> </tr> <tr> <td>Yeast sludge</td> <td>09</td> </tr> <tr> <td>Boiler Ash.</td> <td>252</td> <td>Mixed with press mud of sister concern sugar unit &amp; disposed to farmers for using as manure.</td> </tr> </tbody> </table>			Details of the solid waste	Quantity in TPD	Mode of disposal / Treatment	CPU sludge	0.212	Mixed with press mud of sister concern sugar unit and disposed to farmers for using as manure.	Fermentation sludge	09	Yeast sludge	09	Boiler Ash.	252	Mixed with press mud of sister concern sugar unit & disposed to farmers for using as manure.
Details of the solid waste	Quantity in TPD	Mode of disposal / Treatment														
CPU sludge	0.212	Mixed with press mud of sister concern sugar unit and disposed to farmers for using as manure.														
Fermentation sludge	09															
Yeast sludge	09															
Boiler Ash.	252	Mixed with press mud of sister concern sugar unit & disposed to farmers for using as manure.														
2	The applicant shall provide closed shed / silos for storage of solid wastes to prevent fugitive emissions.															
3	The applicant shall provide all-round wind breaking walls around the bagasse yard and conveyor system for feeding of bagasse to the boiler.															
4	The applicant shall provide all-round garland drain around the bagasse yard with collection and pumping arrangement to CPU for leachate generation if any during rainy season.															
<b>F</b>	<b>HAZARDOUS WASTES (MANAGEMENT, HANDLING &amp; TRANSBOUNDARY MOVEMENT) RULES 2016:</b>															
1	The industry shall obtain authorization under Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2016 and shall comply with the provisions of the said rules.															



2	The applicant shall provide closed shed for storage of hazardous and other wastes.
<b>G</b>	<b>SELF MONITORING AND REPORTING</b>
1	The applicant shall carryout environmental monitoring during construction phase in the frequency as given below. a) Ambient Air Quality – As per NAAQ Standards b) Ambient Noise Monitoring– Once in a month c) Stack monitoring – Once in a month d) Treated sewage from STP- Once in 3 months. e) Ground water quality in and around the project site – once in 3 months
2	The industry shall ensure continuous operation and connectivity of Online Continuous Emission Monitoring System (OCEMS) for boiler stack for Particulate Matter & Flow parameter and shall be connected to CPCB and SPCB server as per CPCB directions. The specification/ sensor used in online continuous monitoring system shall be in accordance with CPCB specification. The applicant shall calibrate these systems from time to time according to equipment supplier specification through labs recognized under the Environment (Protection) Act, 1986 or NABL accredited laboratories.
3	Online flow meters with data recording facility which should be transmitted online to CPCB and SPCB shall be installed at the raw spent wash generation line and the concentrated spent wash line connecting to the final storage lagoon/tank before incineration. For distillery plants having advanced integrated multiple effect evaporators where concentrated spent wash is being directly generated, new meters with similar specification shall be installed with data connectivity to CPCB and SPCB at the concentrated spent wash line connecting to the final storage lagoon/tank before incineration and at the alcohol production line for assessment of concentrated spent wash generation ratio.
4	The cameras should be IP camera with PAN, TILT Zoom, 5x or above focal length with night vision capability and should be installed at relevant locations of incineration area and final spent wash storage lagoon/Conc. Spent Wash storage tank, as applicable. The camera feed should be integrated with all camera controls (pan, zoom, tilt) and shown on central platform, where data on other parameters (effluent monitoring/flow-meters/emission monitoring) is displayed/submitted. The camera feed shall be provided without pre-requirement of any plug-in software for data display or data submission and shall be available in the Google chrome browser.
5	The industry shall carry out the analysis of various prescribed effluent/soil/ground water quality parameters from the MoEF & CC recognised/accredited laboratories.
<b>H</b>	<b>GENERAL CONDITIONS:</b>
1	The applicant shall not allow the discharge from the other premises to mix with the discharge from his premises. The storm water shall not be allowed to mix with the effluents
2	The noise levels measured at the boundary of the industry shall not exceed the prescribed limits of 75 dB (A) leq. during day time and 70 dB (A) leq during night time respectively.
3	The applicant shall carryout intensive plantation / green belt development as per the EC conditions.
4	The applicant implement solar power harvesting in parking area, on buildings and open areas to meet 10 % of the total power requirement through solar

	power.
5	The applicant shall implement scientific storm water management plan for the complete industrial premises. The industry shall harvest rain water from the roof top of the buildings and storm water drains to recharge the ground water and reuse the same for process/utilities / green belt development so as to conserve fresh water. The applicant shall construct a storage pond of 60 days capacity for collection and use of rainwater.
6	The industry shall comply with Plastic Waste Management Rules, 2016 (with up to date amendments), E- Waste Management Rules, 2016 (with up to date amendments), Bio-medical Waste Management Rules, 2016 (with up to date amendments) and Battery Waste Management Rules, 2022.
7	The industry shall submit half yearly compliance report to the Board on or before 30 <sup>th</sup> October for the period April- September and 30 <sup>th</sup> April for the period October - March.
8	The industry shall metal all the internal roads to avoid dust emissions.
9	The applicant shall obtain insurance under Public Liability Insurance Act 1991 and also pay equivalent premium to the Environment Relief Fund (ERF) as per the said Act and submit copy of the policy to the Board.
10	The industry shall carry out awareness activities on environmental Protection among employees and community.
11	Non-compliances to the conditions stipulated, Board has the right to withdraw the consent.
12	The applicant shall submit compliance report to the conditions stipulated in this consent order within 30 days.
13	The applicant shall apply for renewal of consent at-least 120 days in advance of expiry of the consent.

  
**SENIOR ENVIRONMENTAL OFFICER**  
**17 CATEGORY & E-GOV CELL**  


**ANNEXURE-A**

**DISCHARGE STANDARDS FOR SEWAGE TREATMENT PLANT**

Sl. No.	Characteristics	Standards
1	pH	6.5 to 8.5
2	BOD, mg/l (3 days at 27 <sup>o</sup> C)	< 10
3	TSS, mg/l	< 10
4	COD, mg/l	< 50
5	Ammonical Nitrogen, mg/l	< 5
6	Total Nitrogen, mg/l	< 10
7	Faecal coliform, MPN	<100/100 ml



**SENIOR ENVIRONMENTAL OFFICER  
17 CATEGORY & E-GOV CELL**



**ANNEXURE -B**

**DETAILS OF AIR POLLUTION SOURCES AND APC MEASURES TO BE PROVIDED**

Chimney No.	Chimney attached to	Minimum chimney height to be provided	Constituent to be controlled in the emission	Tolerance limits mg/Nm <sup>3</sup>	Air pollution control equipment to be installed
1	Incineration Boiler - 52 TPH ( Bagasse + Conc. Spent wash)	85 m AGL	PM	115 mg/Nm <sup>3</sup>	Bag Filter

**Note:**

1. Air Pollution Control measures as above shall be provided and operated at all times.
2. AGL – Above Ground Level, PM- Particulate Matter

  
**SENIOR ENVIRONMENTAL OFFICER**  
**17 CATEGORY & E-GOV CELL**  
*23/12*

**Copy to:**

1. RSEO Dharwad for information.
2. RO Bagalkot for information & to inspect the industry as per inspection schedule and verify the compliance w.r.t the spent lees, its usage in the cooling tower along with its characteristics.



# MRN(NIRANI) FOUNDATION

RURAL DEVELOPMENT AND  
SELF EMPLOYMENT TRAINING INSTITUTE

Vijay Nagar, Mudhol - 587313 Bagalkot Dist (Karnataka)



ಉದ್ಯಮಿಯಾಗು  
ಉದ್ಯೋಗ ನೀಡು

**ANNUAL REPORT  
2025-26**



Head Office : MRN(Nirani) Foundation - Self Employment Training Institute,  
Near Vijay International School, Vijay Nagar, Mudhol - 587313  
Cell : 9071772722 Email : niranifoundation@gmail.com web : www.mrngroup.in



## ಸಂದೇಶ



ನಿರುದ್ಯೋಗಿಗಳಿಗೆ ಸಕಾಲಿಕ ಮಾಹಿತಿ, ಮಾರ್ಗದರ್ಶನ ಹಾಗೂ ತರಬೇತಿ ನೀಡಿ ನಿರುದ್ಯೋಗ ಸಮಸ್ಯೆ ನಿವಾರಣೆಯಲ್ಲಿ ನಿಮ್ಮ ಸಂಸ್ಥೆಯ ಕೊಡುಗೆ ಶ್ಲಾಘನೀಯವಾಗಿದೆ. ಅಭಿನಂದನೆಗಳು.

ನಿಮ್ಮ ಸಂಸ್ಥೆಯ ಸಾಮಾಜಿಕ ಕಾರ್ಯಗಳ ಪರಿಚಯ ಕೈಪಿಡಿ ಹಾಗೂ ದಿನಚರಿ ಪುಸ್ತಕ ಪ್ರಕಟಿಸಲು ಯೋಚಿಸಿರುವ ವಿಚಾರ ತಿಳಿದು ಸಂತೋಷವಾಯಿತು.

ಪ್ರತಿ ದಿನ ವ್ಯವಸ್ಥಿತವಾಗಿ ಶಿಸ್ತಿನಿಂದ ಯೋಜಿತ ಚಟುವಟಿಕೆಗಳನ್ನು ನಡೆಸಲು ದಿನಚರಿ ಪುಸ್ತಕ ಸಹಾಯಕವಾಗಿದೆ. ಸಾಮಾಜಿಕ ಕಾರ್ಯಗಳ ಕೈಪಿಡಿಯಿಂದ ಓದುಗರಿಗೆ ಸಂಸ್ಥೆಯ ಬಗ್ಗೆ ಸಮಗ್ರ ಮಾಹಿತಿ ದೊರಕುತ್ತದೆ. ನಿಮ್ಮ ಪ್ರಯತ್ನಕ್ಕೆ ಸರ್ವ ರೀತಿಯ ಯಶಸ್ಸನ್ನು ಹಾರೈಸುತ್ತಾ ನೀವು ಪ್ರಕಟಿಸಲಿರುವ ಪುಸ್ತಕ ಮಾಹಿತಿಯ ಕಣಜವಾಗಿ ತರಬೇತಿ ಪಡೆಯುವವರಿಗೆ ದಾರಿದೀಪವಾಗಲಿ. ಸನ್ಮಾರ್ಗದಲ್ಲಿ ಮುನ್ನಡೆಸಲಿ ಎಂದು ಆಶಿಸುತ್ತಾ ಪುಸ್ತಕ ಪ್ರಕಾಶನಾ ಕಾರ್ಯ ಯಶಸ್ವಿಯಾಗುವಂತೆ ಶ್ರೀ ಮಂಜುನಾಥ ಸ್ವಾಮಿ ಹರಸಲೆಂದು ಪ್ರಾರ್ಥಿಸುತ್ತೇನೆ.

ಡಿ.ವೀರೇಂದ್ರ ಹೆಗ್ಡೆ  
(ಡಿ. ವೀರೇಂದ್ರ ಹೆಗ್ಡೆಯವರು)

## Board of Governors



Sri Murugesh R. Nirani  
Chairman



Sri Sangamesh R. Nirani  
Executive Director



Sri K. Chandrashekar  
Director



Sri G. K. Mathad  
Director



Dr. R.N. Sonawalkar  
Director



Smt. Dakshayani S Nirani  
Director



Dr. Umesh Mahabalashetti  
Director



## Advisory Committee

### Chairman :

Sri Murugesh R. Nirani

### Executive Director :

Sri Sangamesh R. Nirani

### Directors :

Smt Drakshayani S. Nirani

Sri Kanekal Chandrashekhar

Sri Girimallayya K. Mathad

Sri R. N. Sonawalakar

Dr. Umesh Mahabalashetti

### Editing / DTP :

MRN Foundation Staff

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## Mission & Vision

### MISSION

MRN(Nirani) Fondation  
is the conscious choice  
to improve One's Life, to  
become a better person  
and to grow as an  
Individual

### VISION

To Empower the Rural  
Youths to find the descent  
livelihood through  
Self-Employment and build  
National Economy by  
youths as a National asset.



## Chairman's Message

*I am pleased to table Annual Report 2025-26 of MRN(Nirani) Foundation. The task of Rural Development is being performed well. The Focus on Agriculture and Entrepreneurship is continuing and the training programs on income generation activities are emphasized. Institute is true to its philosophy that lies of the bottom of the pyramid. The Concentration on Rural Development is Primary for the Foundation.*

*MRN(Nirani) Group of Companies have created corridor of sustainable Employment opportunities for the Rural youths in this area. The Institute has taken up industrial Skill Up gradation programmes, Health Camps, Aarogya Bandhu Scheme for poors and Many Cultural Activities during the year. I am really happy that the Institute has become integral part of Rural Development.*

*All these efforts were possible with active support of Nirani Sugars Ltd Mudhol, Donors and Philanthropist. I acknowledge their support and the team of the Institute should be appreciated for their hard work.*

*Dr. Murugesha R. Nirani  
Chairman*



## Executive Director's Message

*On the occasion of presenting Annual Report of our Institute for the financial year 2025-26, I wish to recall the sayings of a wise man "youth is the trustee of posterity". I am proud to say MRN (Nirani) FOUNDATION is a Trustee of youth".*

*The ultimate objective of the Institute is to holistically empower The rural youth to find a decent livelihood through a legitimate means by and for themselves. In this direction Institute has ably assisted and motivated the youth to explore there abilities. Institute has created awareness among the youth on the availability of various avenues to exploit their skills, knowledge and experience to make a positive impact on the rural society.*

*It is but natural for me to feel happy that MRN (Nirani) FOUNDATION Mudhol in the last two years of its existence has Organised many rural activites Aarogya Bandhu, Vidya Nidhi ,Farmers activites ,Veternary Camps, Jnyan Sanjivini for Merit and poor students. It gives me pleasure to note that Institute has organised 18 Free Eye camps 8 Mega Free Health Camps. MRN (Nirani) FOUNDATION is a unique Institute.*

*Institute recognizes and wishes each and every one who has joined hands for success of the Institute during the year.*

*With Best Wishes*

*Sangamesh R. Nirani*

*Executive Director*

## ಉಜಿವ ಪಶು ವೈದ್ಯಕೀಯ ಚಿಕಿತ್ಸಾ ಶಿಬಿರ ಒಂಟಗೋಡಿ



ಮುಧೋಳ ತಾಲೂಕಿನ ಒಂಟಗೋಡಿ ಗ್ರಾಮದಲ್ಲಿ ಉಜಿವ ಪಶು ಚಿಕಿತ್ಸಾ ಶಿಬಿರವು ಯಶಸ್ವಿಯಾಗಿ ನಡೆಯಿತು.

## ಕಬ್ಬಿನ ಬೆಳೆಯ ಸಮಗ್ರ ನಿರ್ವಹಣೆ ವಜ್ಜರಮಟ್ಟಿ



ಮುಧೋಳ ತಾಲೂಕಿನ ವಜ್ಜರಮಟ್ಟಿಯಲ್ಲಿ ಕಬ್ಬಿನ ಬೆಳೆಯ ಸಮಗ್ರ ನಿರ್ವಹಣೆ ಕಾರ್ಯಕ್ರಮವು ಯಶಸ್ವಿಯಾಗಿ ನಡೆಯಿತು.



## ಎಂ.ಆರ್.ಎನ್. (ನಿರಾಣಿ) ಘೌಂಡೇಶನ್ ಎಂ.ಆರ್.ಎನ್. ವಿದ್ಯಾನಿಧಿ ಯೋಜನೆ



ಎಂ.ಆರ್.ಎನ್. (ನಿರಾಣಿ) ಘೌಂಡೇಶನ್ ವತಿಯಿಂದ ಪ್ರಸ್ತುತ ವರ್ಷದಿಂದ ಜಾರಿಗೊಳಿಸುತ್ತಿರುವ ಮಹತ್ವಾಕಾಂಕ್ಷೆಯ ಎಂ.ಆರ್.ಎನ್. ವಿದ್ಯಾನಿಧಿ ಯೋಜನೆಯಡಿ ಮಕ್ಕಳ ಶೈಕ್ಷಣಿಕ ದತ್ತು ಯೋಜನೆಗೆ ಜಾಲನೆ ನೀಡಿ ಆಯ್ಕೆಯಾದ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಶೈಕ್ಷಣಿಕ ಕಿಟ್ ವಿತರಿಸಲಾಯಿತು.



# ಎಂ.ಆರ್.ಎನ್. (ನಿರಾಣಿ) ಉದ್ಯಮ ಸಮೂಹ ನಿರಾಣಿ ಸಮೂಹದ ಸಕ್ಕರೆ ಕಾರ್ಖಾನೆಗಳ ಪ್ರಗತಿಪರ ರೈತರಿಗಾಗಿ ಕೃಷಿ ಅಧ್ಯಯನ ಪ್ರವಾಸ



ನಿರಾಣಿ ಉದ್ಯಮ ಸಮೂಹದಿಂದ ಕೃಷಿ ಅಧ್ಯಯನಕ್ಕೆ ತೆರಳುತ್ತಿರುವ ಎಲ್ಲ ಪ್ರಗತಿಪರ ರೈತರನ್ನು ಶ್ರೀ ಸಂಗಮೇಶ ಆರ್. ನಿರಾಣಿಯವರು ಆತ್ಮೀಯವಾಗಿ ಬೀಳ್ಕೊಟ್ಟರು.

# ಉಚಿತ ಆರೋಗ್ಯ ತಪಾಸಣೆ ಹಾಗೂ ಶಸ್ತ್ರ ಚಿಕಿತ್ಸಾ ಶಿಬಿರ ಬನಹಟ್ಟಿ.



ಸರ್ಕಾರಿ ಆಸ್ಪತ್ರೆ, ಬೆಂಗಳೂರು ಇವರ ಸಹಯೋಗದೊಂದಿಗೆ  
ಬನಹಟ್ಟಿಯಲ್ಲಿ ಉಚಿತ ಆರೋಗ್ಯ ತಪಾಸಣೆ ಶಿಬಿರವು  
ಯಶಸ್ವಿಯಾಗಿ ನಡೆಯಿತು.



# ಎಂ ಆರ್ ಎನ್ ( ನಿರಾಣಿ ) ಘೌಡೇಶನ್ ಜ್ಞಾನ ಸಂಜೀವಿನಿ ಯೋಜನೆ



ಸನ್ಮಾನ್ಯ ಶ್ರೀ ಮುರುಗೇಶ್ ಆರ್. ನಿರಾಣಿ ಅವರ ನೇತೃತ್ವದಲ್ಲಿ ಎಂ.ಆರ್.ಎನ್ (ನಿರಾಣಿ) ಘೌಡೇಶನ್ ವತಿಯಿಂದ, "ಜ್ಞಾನ ಸಂಜೀವಿನಿ ಯೋಜನೆ" 150 ಪ್ರತಿಭಾನ್ವಿತ ಮತ್ತು ಅರ್ಥಿಕವಾಗಿ ಹಿಂದುಳಿದ ವಿದ್ಯಾರ್ಥಿಗಳ ದತ್ತ ಕಾರ್ಯಕ್ರಮದ ಭಾಗವಾಗಿ, ಶ್ರೀ ಸಂಗಮೇಶ ನಿರಾಣಿ ಹಾಗೂ ಪ್ರಜ್ಞಾ ಶ್ರೀ ಆನಂದ ದೇವರು ಓಲೆಮಠ, ಜಮಖಂಡಿ ಇವರು ಸರ್ಕಾರಿ ಶಾಲೆಯ ಪ್ರತಿಭಾನ್ವಿತ ಹಾಗೂ ಬದ ವಿದ್ಯಾರ್ಥಿಗಳ ಮನೆಯಲ್ಲಿ ದೀಪ ಬೆಳಗಿಸಿ, ಸಿಹಿ ಹಂಚಿ ಹಾಗೂ ವಿದ್ಯಾರ್ಜನೆಗೆ ಅಗತ್ಯ ವಸ್ತುಗಳನ್ನು ನೀಡುವ ಮೂಲಕ ದೀಪಾವಳಿ ಹಬ್ಬವನ್ನು ವಿಶೇಷ ರೀತಿಯಲ್ಲಿ ಆಚರಿಸಿದರು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಅನೇಕ ಗಣ್ಯರು ಹಾಗೂ ಪ್ರಮುಖರು ಉಪಸ್ಥಿತರಿದ್ದರು. ಪ್ರಜ್ಞಲಿಸಿದ ಪ್ರತೀ ದೀಪವು ವಿದ್ಯಾರ್ಥಿಗಳ ಭವಿಷ್ಯದ ಬೆಳಕಿನ ಸಂಕೇತ .



# ಎಂ ಆರ್ ಎನ್( ನಿರಾಣಿ ) ಫೌಂಡೇಶನ್ ಜ್ಞಾನ ಸಂಜೀವಿನಿ ಯೋಜನೆ





# ಉಚಿತ ನೇತ್ರ ತಪಾಸಣಾ ಶಿಬಿರ



ಎಂ.ಆರ್.ಎನ್(ನಿರಾಣಿ) ಫೌಂಡೇಶನ್ ನಿರಾಣಿ ಸಕ್ಕರೆ ಕಾರ್ಖಾನೆ ಆವರಣದಲ್ಲಿ ನಡೆದ ಉಚಿತ ನೇತ್ರ ತಪಾಸಣಾ ಶಿಬಿರವನ್ನು ಯಶಸ್ವಿಗೊಳಿಸಿದ ಡಾ. ಎಂ.ಎಂ. ಜೋಶಿ ನೇತ್ರ ವಿಜ್ಞಾನ ಸಂಸ್ಥೆ ಹುಬ್ಬಳ್ಳಿ ಹಾಗೂ ಮುಧೋಳ ಗ್ರಾಮ & ತಾಲೂಕಿನ ರೈತ ಬಾಂಧವರು, ಸಮಸ್ತ ನಾಗರಿಕರಿಗೆ **ಹೃದಯಪೂರ್ವಕ ಧನ್ಯವಾದಗಳು**

## ಶಸ್ತ್ರ ಚಿಕಿತ್ಸೆಗೆ ಆಯ್ಕೆಯಾದ ಫಲಾನುಭವಿಗಳು



ಎಂ.ಆರ್.ವಿನ್(ನಿರಾಣಿ) ಪೌಂಡೇಶನ ವತಿಯಿಂದ ಮುಧೋಳದಲ್ಲಿ ನಡೆದ ಉಚಿತ ನೇತ್ರ ತಪಾಸಣೆ ಶಿಬಿರದಲ್ಲಿ ಆಯ್ಕೆಯಾದ ಫಲಾನುಭವಿಗಳನ್ನು ಉಚಿತ ಶಸ್ತ್ರ ಚಿಕಿತ್ಸೆಗೆ ಎಂ.ಎಂ.ಜೋಶಿ ನೇತ್ರ ವಿಜ್ಞಾನ ಸಂಸ್ಥೆ, ಪುಬ್ಬಳ್ಳಿಗೆ ಕಳುಹಿಸಿ ಕೊಡಲಾಯಿತು.

## ಉಚಿತ ನೇತ್ರ ತಪಾಸಣೆ ಹಾಗೂ ಕಣ್ಣಿನ ಪೂರೆ ಶಸ್ತ್ರ ಚಿಕಿತ್ಸಾ ಶಿಬಿರ ಮುಧೋಳ



ಡಾ.ಎಂ.ಎಂ. ಜೋಶಿ ಇವರ ಸಹಯೋಗದೊಂದಿಗೆ ನೇತ್ರ ತಪಾಸಣಾ ಶಿಬಿರವು ಯಶಸ್ವಿಯಾಗಿ ನಡೆಯಿತು.



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 and 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 (1<sup>st</sup> & 2<sup>nd</sup> Floor)  
Sanganakallu Road, KEB Circle, Ballari - 583103 Contact No : Mob : 94498 03895, (O) : 08392-255169,  
E-mail : msvbellary2018@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com



TC- 4071

MSVAL/QR/7.8/1

## AMBIENT NOISE LEVEL MONITORING REPORT

1. Name of the industry : M/s. Trualt Bioenergy Limited, Unit-III  
47/1,47/2,48,72,73,74, Kallapur S K,  
Kanapur S K, Bagalkot-587155, Karnataka, India
2. Sample Collected By : MSV Analytical Laboratories
3. Particulars of Sample Collected : Noise meter
4. Date of Monitoring : 27.03.2026
5. Report Issue Date : 01.04.2026
6. Method Adopted : IS 9989: 2020

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Noise ULR NO: TC40712600008740F

S.No	Sample Location	Sample Code	Time Frequency	Results (Day time)			Permissible limits in dB(A) Leq
				Maximum in dB(A) Leq	Minimum in dB(A) Leq	Leq. in dB(A)	
1	Near Distillery Gate	AN/2943	01.40pm to 01.55pm	71.8	67.4	69.4	75 (6.00am to 10.00pm)
2	Near Distillation	AN/2944	02.05pm to 02.20pm	73.5	69.2	71.8	

INFERENCE	As per KSPCB Standards, Report Status :- The Noise level for the all locations is within the limits
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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. Samples Will be disposed after the specified retention period.  
3. This report is not to reproduced wholly or in part & cannot be used as evidence in the court of law & should not be used in any advertising media without our special permission in writing  
4. Total liability of our laboratory is limited to the Invoice amount. Any dispute arising out of this report is subject to Bellary Jurisdiction Only.  
5. Sampling is not done by us unless otherwise specified



# MSV Analytical Laboratories

Recognition by MoEF under Environment (Protection) Act, 1986 and Accredited by NABL  
(Certified by ISO 14001:2015, ISO 45001:2018, ISO 9001:2015, ISO 22000:2018)  
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TC- 4071

MSVAL/QR/7.8/1

## AMBIENT NOISE LEVEL MONITORING REPORT

- Name of the industry : M/s. Trualt Bioenergy Limited, Unit-III  
47/1,47/2,48,72,73,74, Kallapur S K,  
Kanapur S K, Bagalkot-587155, Karnataka, India
- Sample Collected By : MSV Analytical Laboratories
- Particulars of Sample Collected : Noise meter
- Date of Monitoring : 27.03.2026
- Report Issue Date : 01.04.2026
- Method Adopted : IS 9989: 2020

Discipline: Chemical Group: Atmospheric Pollution Sub Group: Ambient Noise ULR NO: TC407126000008740F

S.No	Sample Location	Sample Code	Time Frequency	Results (Night 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	AN/2945	10.15pm to 10.30pm	62.6	59.4	61.2	70 (10.00pm to 6.00am)
2	Near Distillation	AN/2946	10.40pm to 10.55pm	64.2	61.5	62.7	

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.  
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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-Bagaikot, 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.

Scanned with OKEN Scanne



PRAJAWALA

04 July 2023

## ಕಂಪನಿಯ ಹೆಸರು ಬದಲಾವಣೆಗೆ ಸೂಚನೆ

ನಾವು, MRN ಕೇನ್ ಪವರ್ (ಇಂಡಿಯಾ) ಲಿಮಿಟೆಡ್, MOEF ಮತ್ತು CC ಬೇರಿಂಗ್ ನಂ. ಮೂಲಕ ಪರಿಸರ ಅನುಮತಿಯನ್ನು ಪಡೆದಿದ್ದೇವೆ. ಪೈಲ್ ಸಂಖ್ಯೆ IA-J-11011/312/2021-IA-II (I), ದಿನಾಂಕ 27ನೇ ಜೂನ್ 2023 ರಲ್ಲಿ ನಮ್ಮ ವಿಳಾಸ: ಸರ್ವೆ ನಂ. 72, ಕಲ್ಲಾಪುರ ಎಸ್.ಕೆ ಗ್ರಾಮ, ಕುಳಗೆರಿ ಹೋಬಳಿ ತಾ- ಬಾದಾಮಿ, ಜಿಲ್ಲೆ-ಬಾಗಲಕೋಟೆ, 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 ಸರ್ಕಾರದ ಪರಿವೇಶ ಪೋರ್ಟಲನಲ್ಲಿ ಅಪ್ ಲೋಡ್ ಮಾಡಲಾಗಿದೆ.

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E-mail : msvbellary2018@gmail.com, labmsv@gmail.com, Website : www.msvbellary.com

MSVAL/QR/7.8/1

## ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Trualt Bioenergy Limited, Unit-III  
47/1,47/2,48,72,73,74, Kallapur S K,  
Kanapur S K, Bagalkot-587155, Karnataka, India
2. Sample Marked as : Piezometer -1
3. Name of the location : -
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Pet Bottle, 1 Liter.
6. Sample Description/condition : Good/satisfactory
7. Date of Sample Collection : 27.03.2026
8. Date of sample receipt : 27.03.2026
9. Sample Code : 1050
10. Analysis Starting Date : 27.03.2026
11. Analysis Completion Date : 01.04.2026
12. Report Issue Date : 01.04.2026

Discipline: Chemical

Group: Water

Sub Group: Ground Water

ULR NO: MSVAL/2026/939

S.no	Parameters	Protocol	Unit	Results
1	Color	IS 3025 Part 4, Method (b)	Hazen	<1.0
2	Chemical Oxygen Demand	IS 3025 Part 58	mg/L	5.0
3	Total Dissolved solids	IS 3025 Part 16	mg/L	528.0
4	Total Suspended solids	IS 3025 Part 17	mg/L	2.0
5	Bio-chemical Oxygen Demand (3 days at 27°C)	IS 3025 Part 44	mg/L	2.20
6	Oil & Grease	IS 3025 Part 39, Method (a)	mg/L	<1.0

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

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



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MSVAL/QR/7.8/1

## ANALYSIS REPORT OF WATER QUALITY

1. Name and Address of Industry : M/s. Trualt Bioenergy Limited, Unit-III  
47/1,47/2,48,72,73,74, Kallapur S K,  
Kanapur S K, Bagalkot-587155, Karnataka, India
2. Sample Marked as : Piezometer -2
3. Name of the location : -
4. Sample Collected By : MSV Analytical Laboratories
5. Sample quantity : Pet Bottle, 1 Liter.
6. Sample Description/condition : Good/satisfactory
7. Date of Sample Collection : 27.03.2026
8. Date of sample receipt : 27.03.2026
9. Sample Code : 1051
10. Analysis Starting Date : 27.03.2026
11. Analysis Completion Date : 01.04.2026
12. Report Issue Date : 01.04.2026

Discipline: Chemical

Group: Water

Sub Group: Ground Water

ULR NO: MSVAL/2026/940

S.no	Parameters	Protocol	Unit	Results
1	Color	IS 3025 Part 4, Method (b)	Hazen	<1.0
2	Chemical Oxygen Demand	IS 3025 Part 58	mg/L	7.0
3	Total Dissolved solids	IS 3025 Part 16	mg/L	560.2
4	Total Suspended solids	IS 3025 Part 17	mg/L	3.0
5	Bio-chemical Oxygen Demand (3 days at 27°C)	IS 3025 Part 44	mg/L	3.80
6	Oil & Grease	IS 3025 Part 39, Method (a)	mg/L	<1.0

Analysed by

Authorized Signatory

B.Chinna Lingana Gouda  
Chief executive of the laboratory

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



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