



सत्यमेव जयते

**Government of India
Ministry of Environment, Forest and Climate Change**



Date: 19/11/2024

ACKNOWLEDGEMENT

This is to acknowledge that DAURALA SUGAR WORKS DISTILLERY UNIT (A UNIT OF DCM SHRIRAM INDUSTRIES LIMITED) has provided the information on PARIVESH Portal in respect of 'No increase in pollution load certificate' for proposed addition of alternative feedstock as Cane Juice Syrup (mode – 2) / Cane juice (mode – 3) along with molasses (mode – 1) based operation without increase in production capacity - 215 KLD of M/s Daurala Sugar Work Distillery unit, (a unit of DCM Shriram Industries Limited) in the format attached herewith under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O.980 (E), dated 02nd March 2021.

To claim exemption from obtaining Prior Environment Clearance under the provisions of Para 7(ii) b of EIA Notification, 2006 and its subsequent amendment S.O 980 (E) dated 02nd March 2021 in respect of any increase in production capacity with or without any change in (i) raw material-mix or (ii) product-mix or (iii) quantities within products or (iv) number of products including new products falling in the same category or (v) configuration of the plant or process or (vi) operations in existing area or (vii) In areas contiguous to the existing area specified in the environmental clearance of the project, the project proponent / SPCB or UTPCC shall follow the following process:

1. The project proponent shall inform the SPCB or UTPCC, as the case may be, in specified format along with: (i) 'No increase in Pollution Load' certificate from the Environmental Auditor or reputed institutions empanelled by the SPCB or UTPCC or CPCB or Ministry; (ii) last Consent to Operate certificate for the project or activity; and (iii) online system generated acknowledgement of uploading of intimation and 'no increase in pollution load' certificate on PARIVESH Portal.
2. Based on the submission of above information, the project proponent may carry on the proposed activity as per the submitted details. However, if on verification the SPCB or UTPCC, as the case may be, holds that the change or expansion or modernization will result or has resulted in increase in pollution load, the exemption claimed under this clause shall not be valid and it shall be deemed that the project proponent was liable to obtain Prior Environmental Clearance before under taking such changes or increase, as per the clause (a) of sub-paragraph (ii) of paragraph 7 of EIA Notification, 2006 and the provisions of Environment (Protection) Act, 1986 shall apply accordingly.

Encl: Attached the Information provided by the project proponent

[CAFForm 10](#)

Application for No Increase in Pollution Load - Form-10

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Basic Details

| | | | |
|---|--|----------------|-----|
| 1. Whether Project /Activity accorded prior EC? | Yes | | |
| 1.1. Proposal No. | IA/UP/IND2/202485/1993 | | |
| 1.2. Name of Project | "No increase in pollution load certificate" for proposed addition of alternative feedstock as Cane Juice Syrup (mode – 2) / Cane juice (mode – 3) along with molasses (mode – 1) based operation without increase in production capacity - 215 KLD | | |
| 1.3. Whether the Project Activity attracts the provisions under | 7(ii) (b) | | |
| 1.3.1. Category | | | A |
| 1.3.2. Whether Project/Activity falls in the category of Processing or Production or Manufacturing Sectors? | | | Yes |
| 1.3.3. Whether multiple items (Components) as per the notification involved in the proposal? | | | No |
| 1.3.3.1. Item No. as per schedule to EIA Notification, 2006 for Major Activity | 5(g) Distilleries | Molasses based | |
| 1.3.3.2. Capacity | 215 | KLD | |
| 1.3.3.3. Whether Project/Activity falls in 'B2' Category | | | No |
| 2. Whether the project proposed to be located in the Notified industrial area? | No | | |

3. Details of Consent under Air (P&CP) Act, 1981 & Water (P&CP) Act, 1974

| Consent No/Application No | Date | Valid Up to | Copy of Consent order |
|---|------------|-------------|---------------------------------------|
| 167917/U PPCB/Meerut(U PPCBRO)/CTO/both/MEERUT/2022 | 17/11/2022 | 31/12/2024 | annexure - 2, copy of cto.pdf Preview |

4. Details of Authorization under Hazardous & Other Waste Management Rules, 2016 and subsequent amendment

| Authorization No./ Application No | Date | Valid Up to | Copy of Authorization order |
|---|------------|-------------|---|
| 17175/UPPCB/Meerut(UPPCBRO)/HWM/MEERUT/2022 | 06/05/2022 | 05/05/2027 | annexure - 2a, copy of hwm (3).pdf Preview |

Product Details

1. Details of products & by-products including changes in product mix

| List of products/by-products permitted under EC / CTO with CAS Number | Quantity permitted under EC / CTO | Unit | List of products/by-products proposed under clause 7(ii)(b) with CAS Number | Quantity proposed under clause 7(ii)(b) | Unit | Remarks if any |
|---|-----------------------------------|------|---|---|------|---|
| Ethanol / Rectified Spirit / Extra Neutral Alcohol - 215 KLD (CAS - 64175)) | 215 | TPD | Ethanol / Rectified Spirit / Extra Neutral Alcohol - 215 KLD (CAS - 64175)) | 215 | TPD | No change in production capacity due to use of alternative feed stock like Cane Juice Syrup and Cane Juice. |

2. Details of Raw materials including water consumption and fuel consumption including changes in the raw material mix

| List of raw materials envisaged under EC / CTO with CAS Number | Quantity permitted under EC/CTO | Unit | List of raw materials proposed under clause 7(ii)(b) | Quantity proposed under clause 7(ii)(b) | Unit | Remarks if any |
|--|---------------------------------|------|--|---|------|---|
| Molasses (CAS No - 68476788) | 717 | TPD | Cane Juice (CAS no - 68476788) | 2107 | TPD | Raw Material requirement increases in Cane Juice operation without increase production capacity - 215 KLD. Quantity increase due to lower yield and water content in Cane Juice |
| Molasses (CAS No - 68476788) | 717 | TPD | Cane Juice Syrup (68476788) | 661 | TPD | Raw Material requirement decreases in Cane Juice Syrup operation without increase production capacity - 215 KLD. |
| 2.1. Approval for additional water consumption if applicable | | | | No | | |

3.Details of Effluent Generation

3.1.Quantity

| Propose | Quantity of existing effluent generation in KLD (as per EC/CTO) | Quantity of effluent generation after the proposed change in product or raw material mix in KLD | Mode of Disposal Ultimate Receiving Body |
|----------------|---|---|---|
| Process + APCM | 258 | 258 | Spent lees generation will be same in cane juice syrup based operation, 100 % treated in CPU |
| Boiler | 10 | 10 | No change, 100 % treated in CPU then 100 % recycled during Cane Juice Syrup based operation. |
| Boiler | 10 | 10 | No change, 100 % treated in CPU then 100 % recycled during Cane Juice based operation. |
| Industrial | 1290 | 1185 | Spent wash generation before integrated evaporation will be reduced during cane juice syrup based operation at 215 KLD capacity |
| Cooling | 92 | 92 | No change, 100 % treated in CPU then 100 % recycled during Cane Juice Syrup based operation. |
| Industrial | 1290 | 1075 | Spent wash generation before integrated evaporation will be reduced during cane juice based operation at 215 KLD capacity |

3.2. Quality

| Composition as per the EC/CTO | Concentration as per EC/CTO in (mg/L) | Composition after proposed change in product or raw material mix | Concentration after proposed change in product or raw material mix in (mg/L) | Remarks, if any |
|-------------------------------|---------------------------------------|--|--|---|
| BOD | 117648 | BOD | 76830 | BOD load will be reduced during Cane Juice Syrup based operation at same capacity - 215 KLD due to decrease in spent wash generation quantity and low polluting nature. |
| TSS | 12706 | TSS | 8600 | TSS load will be reduced during Cane Juice based operation at same capacity - 215 KLD due to decrease in spent wash generation quantity and low polluting nature. |
| COD | 196080 | COD | 153660 | COD load will be reduced during Cane Juice Syrup based operation at same capacity - 215 KLD due to decrease in spent wash generation quantity and low polluting nature. |
| TDS | 138739 | TDS | 118200 | TDS load will be reduced during |

| Composition as per the EC/CTO | Concentration as per EC/CTO in (mg/L) | Composition after proposed change in product or raw material mix | Concentration after proposed change in product or raw material mix in (mg/L) | Remarks, if any |
|-------------------------------|---------------------------------------|--|--|---|
| | | | | Cane Juice Syrup based operation at same capacity - 215 KLD due to decrease in spent wash generation quantity and low polluting nature. |
| TSS | 12706 | TSS | 9456 | TSS load will be reduced during Cane Juice Syrup based operation at same capacity - 215 KLD due to decrease in spent wash generation quantity and low polluting nature. |
| COD | 196080 | COD | 139750 | COD load will be reduced during Cane Juice based operation at same capacity - 215 KLD due to decrease in spent wash generation quantity and low polluting nature. |
| TDS | 138739 | TDS | 107500 | TDS load will be reduced during Cane Juice based operation at same capacity - 215 KLD due to decrease in spent wash generation quantity and low polluting nature. |
| BOD | 117648 | BOD | 69875 | BOD load will be reduced during Cane Juice based operation at same capacity - 215 KLD due to decrease in spent wash generation quantity and low polluting nature. |

3.3.Total load in respect of Effluent

| Total load in respect of Effluent as per the EC/CTO | Treatment facility existing (with capacity in KLD) | Total load in respect of Effluent after proposed change in product or raw material mix in KLD | Treatment facility proposed with capacity after proposed change in product or raw material mix in KLD | Remarks if any |
|---|--|---|---|--|
| 1290 | 1350 | 1182 | 1350 | Spent wash generation will be reduced during Cane Juice Syrup based operation at 215 KLD. Treated system is found adequate to handle the load. |
| 1290 | 1350 | 1075 | 1350 | Spent wash generation will be reduced during Cane Juice based operation at 215 KLD. Treated system is found adequate to handle the load. |

3.4.Details of effluent management

| | |
|--|-----|
| 3.4.1. Whether Segregation of Concentrated stream and its disposal is proposed? | Yes |
|--|-----|

| | |
|---|---|
| 3.4.1.1. Brief report on Segregation of Concentrated stream and its disposal | annexure-6, 2. cpu.pdf Preview |
| 7.4.2. Whether Reduction / Recycle / Reuse of effluent are proposed? | Yes |
| 7.4.2.1. Brief report on details of Reduction / Recycle / Reuse of effluent | annexure - 4, water balance daurala.pdf Preview |
| 7.4.3. Whether any additional Effluent Treatment Facilities Provided? | No |
| 7.4.4. Whether is there any proposal for up-gradation of ETP? | No |
| 7.4.5. Whether the unit is having Membership of Common Effluent Conveyance / Disposal Facility? | No |
| 7.4.6. Whether it is Proposed to achieve zero discharge? | Yes |
| 7.4.6.1. Brief report on Proposal to achieve zero discharge with technical justification and feasibility | annexure - 4, water balance daurala.pdf Preview |
| 7.4.7. Whether Project has Membership of CETP? | No |

Emission Generation

1.Details of Emission Generation

1.1.

Quantity

(i) From Stacks



| Point Source (s) | Height of stack (m) | As per EC / CTO | | | After the proposed change in product or raw material mix | | | | |
|------------------------------------|---------------------|-----------------|------------|----------------|--|---------------|------------|----------------|------------|
| | | Emission rate | Unit | Total emission | Unit | Emission rate | Unit | Total emission | Unit |
| Incineration boiler 35 TPH (01 No) | 75 | 28.87 | Kg Per Day | 114.82 | Kg Per Day | 21.54 | Kg Per Day | 103.41 | Kg Per Day |
| Incineration boiler 35 TPH (01 No) | 75 | 28.87 | Kg Per Day | 114.82 | Kg Per Day | 26.8 | Kg Per Day | 103.41 | Kg Per Day |

(ii) From Fugitive sources

| Fugitive Sources | Height of discharge in m | As per EC / CTO | | | After the proposed change in product or raw material mix | | | | |
|------------------|--------------------------|-----------------|------------|----------------|--|---------------|------------|----------------|------------|
| | | Emission rate | Unit | Total emission | Unit | Emission rate | Unit | Total emission | Unit |
| Not applicable | 0 | 0 | Kg Per Day | 0 | Kg Per Day | 0 | Kg Per Day | 0 | Kg Per Day |

(iii) From other sources

| Other Source(s) | Height of discharge in m | As per EC / CTO | | | After proposed change in product or raw material mix | | | | |
|-----------------|--------------------------|-----------------|------|----------------|--|---------------|------------|----------------|------------|
| | | Emission rate | Unit | Total emission | Unit | Emission rate | Unit | Total emission | Unit |
| Not applicable | 0 | 0 | | 0 | Kg Per Day | 0 | Kg Per Day | 0 | Kg Per Day |

1.2.

Quality

| Stack attached to | Stack Height in Meter | APCM | Parameter | Concentration | | | |
|---|-----------------------|----------------------------------|-----------|-----------------|------------|--|------------|
| | | | | As per EC / CTO | Unit | After the proposed change in product or raw material mix | Unit |
| Slop fired incineration boiler - 35 TPH | 75 | Electrostatic Precipitater (ESP) | SO2 | 21.23 | Kg Per Day | 13.52 | Kg Per Day |
| Slop fired incineration boiler - 35 TPH | 75 | Electrostatic Precipitater (ESP) | NO2 | 64.72 | Kg Per Day | 51.46 | Kg Per Day |
| Slop fired incineration boiler - 35 TPH | 75 | Electrostatic Precipitater (ESP) | PM | 28.87 | Kg Per Day | 26.8 | Kg Per Day |
| Slop fired incineration boiler - 35 TPH | 75 | Electrostatic Precipitater (ESP) | SO2 | 21.23 | Kg Per Day | 14.15 | Kg Per Day |
| Slop fired incineration boiler - 35 TPH | 75 | Electrostatic Precipitater (ESP) | PM | 28.87 | Kg Per Day | 21.54 | Kg Per Day |
| Slop fired incineration boiler - 35 TPH | 75 | Electrostatic Precipitater (ESP) | NO2 | 64.72 | Kg Per Day | 62.46 | Kg Per Day |

2.

Total load in respect of Emission

| Total load in respect of emission as per the EC / CTO | Unit | APCM existing with capacity | Unit | Total load in respect of emission after proposed change in product or raw material mix | Unit | APCM proposed with capacity after proposed change in product or raw material mix | Unit | Remarks if any |
|---|------|-----------------------------|------|--|------|--|------|------------------|
| 114.82 | Kg | 250 | Kg | 103.41 | Kg | 250 | Kg | There will be no |

| Total load in respect of emission as per the EC / CTO | Unit | APCM existing with capacity | Unit | Total load in respect of emission after proposed change in product or raw material mix | Unit | APCM proposed with capacity after proposed change in product or raw material mix | Unit | Remarks if any |
|---|------------|-----------------------------|------------|--|------------|--|------------|---|
| | Per Day | | Per Day | | Per Day | | Per Day | additional load on APCS and Air Environment during Cane Juice Syrup based operation. |
| 114.82 | Kg Per Day | 250 | Kg Per Day | 86.52 | Kg Per Day | 250 | Kg Per Day | There will be no additional load on APCS and Air Environment during Cane Juice based operation. |

3.Details of emission management

| | |
|--|----|
| 3.1. Whether there is any Proposal for switching over to cleaner fuel? | No |
| 3.2. Whether there is any Proposal for the up gradation of existing APCM? (with the time-bound program) | No |
| 3.3. Whether there is Proposal for the installation of new APCM? (with time-bound program) | No |

1.Hazardous Waste Generation

1.1.

Quantity and type of waste

| Type of Waste | Category (As per Schedule under Hazardous & Other Waste Management Rules, 2016) | Generation per Year | | | | | | |
|--|---|------------------------------|----------------------|-----------------------------|----------------------|----------------------|---------------------------------|---|
| | | Existing as per the EC / CTO | Unit | After Change in Product Mix | Unit | Source of Generation | Mode of Storage | Mode of Treatment & Disposal method |
| CATEGORY 5.2 AS PER SCHEDULE I (WASTES OR RESIDUES CONTAINING OIL- | 5.2 | 0.91 | Tons per Annum (TPA) | 0.91 | Tons per Annum (TPA) | Plant and Machinery | Dedicated storage area in drums | Mixed with Beggas and Burnt into Boiler |

| Type of Waste | Category (As per Schedule under Hazardous & Other Waste Management Rules, 2016) | Generation per Year | | | | | | |
|---------------|---|------------------------------|------|-----------------------------|------|----------------------|-----------------|-------------------------------------|
| | | Existing as per the EC / CTO | Unit | After Change in Product Mix | Unit | Source of Generation | Mode of Storage | Mode of Treatment & Disposal method |
| 0.91 MT/ANNUM | | | | | | | | |

1.2.

Details of Waste management

| | |
|--|----|
| 1.2.1. Whether Proposal for reduction / recovery / reuse / recycle / sale of waste (with technical details) is proposed? | No |
| 1.2.2. Whether Project has Membership of Common Secured Landfill Site? | No |
| 1.2.3. Whether Project has Membership of Common hazardous waste incineration facility | No |

2.

No Increase in Pollution Load certificates from the authorized environmental auditor and countersigned by Project Proponent

| | |
|---|---|
| 2.1. Authorized environmental auditor/Reputed Institution Empaneled by the SPCB/CPCB/MoEFCC | Authorized Environmental Auditors |
| 2.2. Upload the Certificate of 'No Increase in Pollution' Load. | annexure - 0 daurala no increase pollution load.pdf Preview |

3.

Online Continuous effluent/emission Monitoring System

Quantity

| | | | | | | | Date of connection to the servers of | |
|-----------|--------------|----------------------|------------------------------|------------------------------------|----------------|-----------------------------|--------------------------------------|------------|
| Attribute | Constituents | Date of installation | Details calibration of OCEMS | No. of time data exceeds the limit | Value Exceeded | Status of OCEMS functioning | CPCB | SPCB |
| Emissions | SPM | 30/11/2019 | Calibrated | 0 | 0 | Yes | 30/11/2019 | 30/11/2019 |

1. Additional Information

| S. No. | Document Name | Remark | Document |
|--------|---|---|---|
| 1 | No Increase in pollution load certificate | No Increase in pollution load certificate | annexure - 0 daurala no increase pollution load.pdf Preview |

1. Undertaking

I hereby give undertaking that the data and information given in the application and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information is found to be false or misleading at any stage, the project will be rejected and clearance given if any to the project will be revoked at our risk and cost. In addition to the above, I hereby give undertaking that no activity/construction/expansion has been taken up

| | |
|---------------------|--|
| 1.1. Name | Sanjay Rastogi |
| 1.2. Designation | VP |
| 1.3. Company | DAURALA SUGAR WORKS DISTILLERY UNIT (A UNIT OF DCM SHRIRAM INDUSTRIES LIMITED) |
| 1.4. Address | Daurala Sugar Works Distillery Unit, Daurala, District Meerut, UP |
| 1.5. Date | 19-11-2024 |