

To,

Dated: - 04.04.2024

The Member Secretary,  
SEIAA (State Level Environment Impact Assessment Authority)  
IInd Floor, Beltron Bhawan  
Shastri Nagar – Patna  
Bihar – 800023

**Subject:** - Six Monthly Environment clearance compliance report for the period of 01<sup>st</sup> October 2023 to 31<sup>st</sup> March 2024, reference Issued by SEIAA Vide No- SEIAA/5(g)(j)/981/2020, on dated 17.09.2020.

Dear Sir,

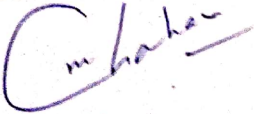
We are sending herewith the Six Monthly Compliance Report Of Environmental Clearance condition In reference to letter SEIAA Vide No- SEIAA/5(g) (j)/981/2020, on dated 17.09.2020, regarding Environmental clearance for the establishment Distillery 80 KLD & Sugar Mill from 7500 to 9000 TCD along with Co-generation power plant at Village- Narkatiaganj, P.O- Narkatiaganj, Teshsil – Narkatiaganj, District – West Champaran , Bihar by M/S Magadh Sugar & Energy Ltd, Unit New Swadeshi Sugar Mills.

This is for your kind information & record please.

Thanking you,

Yours faithfully,

For: - Magadh Sugar & Energy Ltd  
Unit: - New Swadeshi Sugar Mills  
Narkatiaganj-Bihar

  
(Executive President)

Encl: - As Stated above

# **SIX MONTHLY COMPLIANCE REPORT**

OF

ENVIRONMENTAL CLEARANCE

## **Magadh Sugar & Energy Ltd**

*Unit: - New Swadeshi Sugar Mills*

*Narkatiaganj-845455*

*Submitted to*

*Member Secretary (State Level Environment Impact Assessment  
Authority), IInd Floor, Beltron Bhawan*

*Shastri Nagar – Patna*

*Submitted By*

*Environment, Occupational Health & Safety Department*

**Magadh Sugar & Energy Ltd**

*Unit Narkatiaganj*

*Bihar - 845455*

**PERIOD: - 01<sup>ST</sup> October 2023 to 31<sup>ST</sup> March 2024**



# MAGADH SUGAR & ENERGY LIMITED,

Unit- New Swadeshi Sugar Mills (Distillery Division)

Narkatlyaganj, District – West Champaran, Bihar

Compliance Report of Condition of EC Dated 17.09.2020 Obtained From SEIAA

(From 1<sup>st</sup> October 2023 to 31<sup>st</sup> March-2024)

Environmental Conditions	Compliance Report
1. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the water (prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee.	We have obtained for consent to Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the water (prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board / Committee. The validity of consent of Emission consent order which reference no.is PT—1688/88(part file)/Dated -23-11-2020 and Discharge consent order -23-11-20 which reference no.-PT-1688/889 (Part file)/4605 dated 23-11-20 both validity are up to 22.11.2025. Copy of Consent is enclosed as <b>Annexure No.-i.</b>
2. The Project Proponent shall obtain authorized under the Hazardous and other waste Management Rules, 2016 as amended from time to time.	We have obtained the authorized certificate under the Hazardous and other waste Management Rules, 2015 which reference number HW/B -1868 dated 12.08.21 and validity of this up to 11.08.26. Copy of certificate is enclosed as <b>Annexure No.- ii &amp; iv.</b>
3. Adhere to "Zero Liquid Discharge', Zero Liquid Discharge shall be ensured and no Waste/treated water shall be discharged outside the premises.	We ensure to "Zero Liquid Discharge', Zero Liquid Discharge will be ensured and no Waste/treated water will be discharged outside the premises. For our distillery unit We have proper system of treatment of spent wash and we have already installed the MPR DISTILLATION SYSTEM. For treatment of spent wash we have installed bio-digester .For reduction of volume of Spent Wash we have installed the multi effect Evaporator followed by bio-composting. The copy of the month wise statement of spent wash generation ,after MEE concentrated spent wash Reduced ethanol production, utilized spent wash ,closing balance of spent wash press mud generation ,press mud utilized ,press mud closing balance ready bio-compost , sold bio -compost ,closing balance bio-compost form October -2023 to March-2024 as <b>Annexure no-iii.</b>
4. Necessary authorization required under the Hazardous and Other Wastes (Management And Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	We have obtained the authorized certificate Necessary authorization required under the Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016, Solid Waste Management Rules, 2016 have already obtained and the provisions contained in the Rules will be strictly adhered. The number of authorization and date of issue is – HW/B -1868 dated 12.08.21 and validity of this up to 11.08.26. Copy of certificate is enclosed as <b>Annexure No. - IV.</b>
5. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and / or the NAAQS. "The gaseous emissions shall be dispersed through stack of adequate height as per CPCB / SPCB guidelines.	We have already installed wet scrubber along with dust collector system to control source and the fugitive emissions to meet the prescribed norms and / or the NAAQS. "The gaseous emissions are being dispersed through stack of adequate height as per CPCB / SPCB guidelines. The copy of the suspended Particulate matters data is enclosed as <b>Annexure No.-v</b>

<p>6. Total fresh water requirement shall not exceed 80 KLD, proposed to be met from Ground water. Possibilities needs to be explored to meet the requirement of fresh water from surface water available in the vicinity of plant premises with due permission from competent authority. Ground water shall be withdrawn only after exhausting possibilities of using surface water and that also after obtaining prior permission from the concerned regulatory authority (Central Ground Water Authority) in this regard.</p>	<p>We ensure that total fresh water requirement will not be exceeded 80 KLPD. <b>Annexure No.-vi</b></p>
<p>7. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.</p>	<p>We have stored the Hazardous chemicals in tanks, tank farms, drums, carboys etc. Flame arresters have provided on tank farm and the solvent are transferred through these pumps.</p>
<p>8. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP Sludge, process inorganic &amp; evaporation salt shall be disposed off to the TSDF.</p>	<p>We have the bio-composting process system so all organic residue and spent carbon and sludge are sent to bio-composting process.</p>
<p>9. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.</p>	<p>We are following the rules and guideline under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) Rules, 1989 All transportation of Hazardous Chemicals will be done as per the Motor Vehicle Act (MVA), 1989.</p>
<p>10. The company shall undertake waste minimization measures as below:-</p> <p>i-Metering and control of quantities of active ingredients to minimize waste"</p> <p>li-Reuse of by-products from the process as raw materials or as raw material substitutes in other Processes.</p> <p>lii-Use of automated filling to minimize spillage.</p> <p>Iv-Use of Close Feed system into batch reactors.</p> <p>V-Venting equipment through vapour recovery system.</p> <p>Vi-Use of high-pressure hoses for equipment clearing to reduce wastewater generation.</p>	<p>We undertake to follow the waste minimizing measures as mentioned the condition.</p> <p>I metering and control devices have been installed to minimize waste.</p> <p>lii reuse of byproduct from the process as raw materials or as raw material substitutes are recycled and reused to minimize consumption.</p> <p>lii use of automated pumps has been installed to minimize spillages.</p> <p>Iv use of close feed system has been implemented. V venting equipment through vapour recovery have been implemented.</p> <p>Vi-use of high pressure hoses for equipment to reduce waste water has been installed.</p>
<p>11. Green Belt shall be developed in an area equal to 14.75 Ha of the plant area with a native Tree species in accordance with CPCB/SEIAA. Bihar guidelines. The greenbelt shall inter Alia cover the entire periphery of the plant.</p>	<p>We have already developed the Green Belt area equal to 14.75 Ha of the plant area with a native tree species in The entire green belt have been developed to cover the entire periphery of the plant. The photos of greenery developed are enclosed as <b>Annexure no.-vii</b></p>
<p>12. All the commitments made regarding issues raised during the public consultation shall be Satisfactorily implemented.</p>	<p>We will implement all the commitments raised during the public consultation.(PLA Copy enclosed herewith)</p>
<p>13.The Project Proponent shall comply with the provisions contained in Ministry of Environment, Forest &amp; Climate Change OM Vide F. No. 22-65/2017-IA.III dated 1<sup>st</sup> May, 2018, as applicable, regarding Corporate Environment Responsibilities.</p>	<p>We have complied with the provisions contained in Ministry of Environment, Forest &amp; Climate Change OM Vide F.No. 22-65.2017-IA.III, dated 1<sup>st</sup> May, 2018 as applicable, regarding Corporate Environment Responsibilities. <b>Annexure no.-viii</b></p>
<p>14. For the DG sets, emission limits and the stack heights shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling</p>	<p>We have own power generation in sugar &amp; distillery units and no need of DG sets. The noise reports are enclosed as <b>Annexure no.-ix</b></p>

the noise Pollution.	
15. 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	We have already made all the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system is provided as per the norms.
16. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	We have own dispensary with MBBS doctor & qualified staff for check up the Occupational health surveillance of the workers on a regular basis and records are maintained as per the Factories Act. Surveillance report from October-2023 to March-2024 is enclosed as <b>Annexure No.-x</b>
17. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	We have adequate space inside the plant premises and earmarked for parking of vehicles for raw materials and finished products. No parking is allowed outside on public places.
18. Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	We have godowns for storage of materials and covered tanks for storage of raw material.
19. Online Continuous Effluent/Emission Monitoring System (OCEMS) for 24x7 monitoring of stack emissions and effluent discharge shall be installed for measurement of prescribed parameters under EP Rules, 1986. The data of OCEMS shall be linked 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 data shall also be displayed on electronic display monitor on continuous basis at a suitable location which can be accessible to common public.	We have already installed the Online Continuous Effluent/ Emission Monitoring System (OCEMS), web camera, for 24x7 monitoring of stack emissions and effluent discharge in both distillery & sugar unit .Data of OCEMS is linked to the CPCB and SPCB server. We have also installed the web camera with night vision capability and flow meters in the channel / drain carrying effluent within the premises. The data have been displayed on electronic display monitor continuous basis at a suitable location which will be accessible to common public. The online URL ID as under given.— <a href="http://tpro.telsys.in//account/password-reset/5ft-517e083a6d35fcb71160/MjE/">http://tpro.telsys.in//account/password-reset/5ft-517e083a6d35fcb71160/MjE/</a> user name- nssm.etp@birla-sugar.com password-Nssm@2022
20. CO <sub>2</sub> generated from the process shall be bottled / made solid ice and sold to authorized vendors.	Authorized vendor not available in Bihar state
21. The Project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government	We are being strictly adhered to the stipulations made by the State Pollution Control Board (SPCB), State Government.
22. No further expansion or modification in their plant shall be carried out without prior approval of the SEIAA, Bihar Ministry of Environment, Forest and Climate Change (MoEF&CC). In case of deviations or alterations in the project proposal from those submitted to Ministry of Environment, Forest & Climate Change for Clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional Environmental Protection Measures required, if any.	We will not do the further expansion or modification in our plant without prior approval of the SEIAA Bihar, Ministry of Environment, Forest and Climate Change (MoEF&CC). In case of deviations or alterations in the project proposal from those will be submitted to Ministry of Environment, Forest & Climate Change for Clearance, a fresh reference will be made to the Ministry to assess the adequacy of conditions imposed and to add additional Environmental Protection Measures required, if any.
23. 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 Environment (Protection) Act, 1989 viz 75 dBA (daytime) and 70 dBA (night time).	We are regularly monitoring the noise level and analysis report is enclosed as <b>Annexure No.-xi</b> which is under limit.
24. The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for	We are harvesting the rain water from the roof of the buildings and storm water drain to recharge the ground water through rain water harvesting system.

different industrial operations within the plant.	
25. Training shall be imparted to all employees on safety and health aspects of chemicals handling.	Training program for all employees on safety and health aspects of chemicals handling are organized on regular intervals. <b>Annexure No.-xii</b>
26 Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.	Pre- employment and routine periodical medical examinations for all employees is being undertaken on regular interval.
27. 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 Environment Management, Risk Mitigation Measures and Public Consultation shall be implemented.	We have already complied all the Environmental Protection Measures and safeguards. All the recommendations made in the EIA / EMP in respect of Environment Management, Risk Mitigation Measures and Public Consultation has been implemented.
28. The Project Proponent shall comply with the provisions contained in Ministry of Environment, Forest & Climate Change OM Vide F. No. 22-65/2017-IA.III dated 1 <sup>st</sup> May 2018, as applicable, regarding Corporate Environment Responsibilities. The company shall undertake all measures for improving socio-economic conditions of the surrounding area CSR activities shall be undertaken by involving local villagers, administrations and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.	We are already comply with the provisions contained in Ministry of Environment, Forest & Climate Change OM Vide F. No. 22-65/2017-IA.III dated 1 May 2018,. We have already undertaken & applied the measures for improving the socio-economic condition of the surrounding area. CSR activities have been already undertaken by involving local villagers, administrations and other stake holders.
29. The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the SEIAA, Bihar 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.	We strictly complied the condition.
30. The copy of the Environmental Clearance shall be submitted by the Project Proponents to the Heads of local bodies, panchayats and Zila Parishad / Municipal Bodies and the local NGO, if any, from whom suggestion / representations, if any, were received while processing the proposal and in addition to the relevant offices of the Government who in turns has to display the same for 30 days from the date of receipt.	The copy the Environmental Clearance has been submitted to the Heads of local bodies, panchayats and Zila Parishad / Municipal Bodies.
31. The Project Proponent shall submit six-monthly reports on the status of the compliance of the stipulation Environmental Clearance conditions including monitoring data (both in hard copies as well as by e-mail) to SEIAA, Bihar and the respective Regional Office of MoEF&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 company and on the website of the Ministry of Environment, Forest and Climate Change at Environment Clearance portal.	We will submit six-monthly reports on the status of the compliance of the stipulation Environmental Clearance conditions including monitoring data (both in hard copies as well as by e-mail) to SEIAA, Bihar and the respective Regional Office of MoEF&CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and six-monthly compliance status report will be posted on the company and on the website of the Ministry of Environment, Forest and Climate Change at Environment Clearance portal. The statement of the six month of the month wise statement of spent wash generation , MEE concentrated spent wash, ethanol production, utilized spent wash ,closing balance of spent wash , press mud generation ,press mud utilized ,press mud closing balance , ready bio-compost , sold bio -compost ,closing balance bio-compost form October-2023 to March-2024 as <b>Annexure enclosed herewith.</b>

<p>32. The Project Proponent shall submit the environmental statement for each financial year 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 and put on the website of the company along with the status of compliance of Environmental Clearance conditions and shall also be sent to SEIAA, Bihar and the respective Regional Office of MoEF&amp;CC by e-mail.</p>	<p>We are regular being submitting the environmental statement of every financial year in Form — V. We will submit the same of each year to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. as amended subsequently and put on the website of the company along with the status of compliance of Environmental Clearance conditions and also sent to SEIAA, Bihar and the respective Regional Office of MoEF&amp;CC by e-mail in future also.</p>
<p>33. The Project Proponent shall make public the Environmental Clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.</p>	<p>We have published the Environmental Clearance granted for our project in two newspapers in Danik Jagran &amp; Dainik Bhaskar. Environmental Clearance also displayed at our website <a href="http://www.maqadhsugarnssm.com">www.maqadhsugarnssm.com</a> permanently. The copy of the same is enclosed. <b>Annexure No. xiii</b></p>
<p>34. EC conditions which are in the interest of public at large must be permanently displayed throughout the project like at prominent place which can be easily visible to public mentioning the address and contact number of authority to whom violation of EC conditions can be reported.</p>	<p>EC conditions which are in the interest of public at large have been displayed as per mentioned condition.</p>
<p>35. The SEIAA, Bihar reserves the right to stipulate additional conditions if found necessary. The company in a time bound manner shall implement these conditions.</p>	<p>We will follow the same.</p>
<p>36. The SEIAA, Bihar may revoke or suspend the Clearance, if implementation of any of the above conditions is not satisfactory.</p>	<p>We will assure to implement the conditions.</p>
<p>37. The Regional Office of this Ministry / SEIAA, Bihar shall monitor compliance of the stipulated conditions. The Project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information / monitoring reports.</p>	<p>We will extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information / monitoring reports.</p>
<p>38. Project proponent shall erect a signboard on his project site and display information regarding name of the project, No. date and validity period of EC, annual production capacity and other relevant information such as name and contact details of authority to report any violation for the general public.</p>	<p>We have already implemented the condition.</p>
<p>39. The EC granted on submitted basis of the layout plan of the proposed construction of buildings / establishments of industries shall be provisional for a period of one year or till it's approved by the competent authority whichever is earlier. Should there be any deviation / change in the layout plan (as contained in the project proposal on which EC is granted), the Project Proponent shall furnish a copy along with a request to SEIAA, Bihar to make necessary correction / revision in the EC accordingly. Any failure on part of the Project Proponent in doing so will be treated as a violation of EC condition.</p>	<p>If any deviation / change in the layout plan (as contained in the project proposal on which EC is granted), we will furnish the copy along with request to SEIAA, Bihar to make necessary correction / revision in the EC accordingly</p>
<p>40. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention &amp; Control of Pollution) Act, 1974, the Air (Prevention &amp; Control of Pollution) Act, 1981, the Environment</p>	<p>We will follow the condition. The copy of the, Hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments</p>

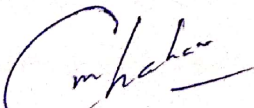
(Protection) Act, 1986, Hazardous and other Wastes (Management and Tran boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/High Courts and any other Court of Law relating to the subject matter.	and Rules.
41. 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.	We are submitting the actual data and in future we will follow the condition as mentioned.
42. 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.	We agree with the condition.
<b>Specific Conditions</b>	<b>Compliance</b>
1. Regular water sprinkling shall be done between ROB and Plant premises on Lauria -Shikarpur-Thori road and on all other peripheral roads used for transportation of raw material and finished products within 1 Km from the plant boundary to minimize air pollution during operation season.	We have already done water sprinkling and in future we assure that Regular water sprinkling will be done between ROB and Plant premises on Lauria - Shikarpur-Thori road and on all other peripheral roads used for transportation of raw material and finished products within 1 Km from the plant boundary to minimize air pollution during operation season.
2. CTO is issued for expanded capacity only after ascertaining compliance on all issues as pointed out by SPCB or Regional Office of MoEF&CC.	We have complied all of the issues as pointed out by SPCB or Regional Office of MoEF&CC.
3. A copy of compliance report related with observations of Regional Office of MoEF&CC, Ranchi shall be submitted by the Project Proponent within 3 months to SEIAA.	The copy of compliance report related with observations of Regional Office of MoEF&CC, Ranchi has been submitted by us within 3 months to SEIAA.

We are again assure you that we are conscious to our Environmental and Social responsibility and also committed towards creating a clean and safe environmental in and around manufacturing facility and continued our efforts for the same.

Thanking you,

Yours Faithfully

**For: - MAGADH SUGAR & ENERGY LTD**  
**Unit: - New Swadeshi Sugar Mills**  
**Narkatiaganj**  
**Bihar- 845455**

  
**(Executive-President)**



## **Magadh Sugar & Energy Ltd**

**Unit: - New Swadeshi Sugar Mill**

**(Narkatiaganj)**

### **Six Monthly Compliance Report Annexure Details**

1. **Consent to operate**
2. **Hazardous Waste Authorization**
3. **Statement of Spent wash generation, Ethanol production, press mud generation & utilized, Bio compost details.**
4. **Hazardous Waste Authorization**
5. **Stack, Air, AAQ Monitoring Report by third party**
6. **Central Ground Water Authority (CGWA-NOC)**
7. **Plantation Details Area wise**
8. **CSR Copy (Corporate social responsibility)Occupational health surveillance of the workers (Workers Medical Checkup Report)**
9. **Third Party NABL Report, Air, Stack, Ambient Noise**
10. **Occupational health surveillance of the workers (Workers Medical Checkup Report)**
11. **Air Ambient Noise & Air Quality Report**
12. **Training program for all employees on safety and health aspects of chemicals handling are organized on regular intervals**
13. **Published the Environmental Clearance granted for our project in two newspapers in Danik Jagran & Dainik Bhaskar**