

हिंदुस्तान उर्वरक एवं रसायन लिमिटेड HINDUSTAN URVARAK & RASAYAN LTD.

(A Joint Venture of NTPC, CIL, IOCL, FCIL & HFCL) P.O.-Barauni Urvarak Nagar, Begusarai-851115 (Bihar)

Ref. No.: HURL/BR/EC/C/04

Date: 30/05/2025

To.

The Scientist-D.

Regional Office (ECZ),

Ministry of Environment, Forest and Climate Change,

Bungalow No. A-2, Shyamali Colony,

Ranchi - 834002.

Subject: Regarding Six months EC compliance report of M/s Hindustan Urvarak & Rasayan Limited (HURL)-Barauni for October-2024 to March-2025.

Ref. MoEF&CC, Environmental Clearance Letter No. J-11011/371/2016-IAII (I) dated: 29.08.2017.

Dear Sir.

With reference to the subject mentioned above, please find attached herewith the Six months EC compliance report for the period October-2024 to March-2025.

Thanking you,

Yours faithfully,

For Hindustan Urvarak & Rasayan Limited

(Sanjai Kumar Gupta)

Business Unit Head - Barauni.

Encl: Annexures

CC: Mr. Suresh P Roy, Regional officer, Bihar State Pollution Control Board Barauni Industrial area, Begusarai (Bihar).

CC: Regional Directorate – Kolkata

Central Pollution Control Board,

Ministry of Environment, Forest and Climate Change,

'South end Conclave' Block-502, 5th & 6th Floor, 1582,

Razidanga, Main Road, Kolkata-700107 West Bengal.

5/31/25, 12:58 PM Home Page

Your (Half Yearly Compliance Report) has been Submitted with following details			
Proposal No	IA/BR/IND2/61377/2016		
Compliance ID	128745542		
Compliance Number(For Tracking)	EC/M/COMPLIANCE/128745542/2025		
Reporting Year	2025		
Reporting Period	01 Jun(01 Oct - 31 Mar)		
Submission Date	31-05-2025		
RO/SRO Name	Shri Senthil Kumar Sampath		
RO/SRO Email	agmu156@ifs.nic.in		
State	BIHAR		
RO/SRO Office Address	Integrated Regional Offices, Ranchi		

Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, BIHAR with Notification to Project Proponent.

https://parivesh.nic.in/compliance/api/showData

Half Yearly Compliance Report 2025 01 Jun(01 Oct - 31 Mar)

Acknowledgement

Proposal Name	Ammonia Urea Fertilizer project at Barauni
Name of Entity / Corporate Office	HINDUSTAN URVARAK AND RASAYAN LIMITED
Village(s)	N/A
District	BEGUSARAI

Proposal No.	IA/BR/IND2/61377/2016
Plot / Survey / Khasra No.	N/A
State	BIHAR
MoEF File No.	J-11011/371/2016-IA II (I)

Category	Industrial Projects - 2
Sub-District	N/A
Entity's PAN	****9368N
Entity name as per PAN	HINDUSTAN URVARAK & RASAYAN LIMITED

Compliance Reporting Details

Reporting Year 2025

Remarks (if any)

Reporting Period 01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office HINDUSTAN URVARAK AND RASAYAN LIMITED

	Project Area as per EC Granted	Actual Project Area in Possession
Private	480	350
Revenue Land	0	0
Forest	0	0
Others	0	0
Total	480	350

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Ammonia	Others:MTPD	N/A	2200	490579 MT	
2	Urea	Others:MTPD	N/A	3850	855394 MT	

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details		
1	Corporate Environmental Responsibility	5000 trees per year in 5 years shall be planted in nearby villages with the consultation of the villagers. Survival rate of plants shall be reported to RO, MoEF & CC in 6 monthly compliance report.		
Plantatio	rest dept. (DFO Begusarai) in FY 2	dept on depositary work basis. 25000 plats planted by 2022-23 and survival rate of plants in Oct 2024 attached	Date: 31/05/2025	
2	MISCELLANEOUS	Emissions limits for the pollutants from the DG sets a height, shall be in conformity with the extant statuary rand/or the CPCB guidelines in this regard.		
Diesel C Plants. N Gas base	Normally, the plant Complex Powe	in case of total Power Failure for safe shutdown of the r requirement is being met from NBPDCL and Natural eration (2 Gas Turbines). Adequate stack height provided lelines.	Date: 31/05/2025	
3	AIR QUALITY MONITORING AND PRESERVATION	To control source emissions, scrubber and/or other suppllution control device shall be installed to meet the particulate Matter emission norms of 50 mg/Nm3, and NAAQS.	rescribed	
This has and com gas sens	plied. Design considerations include	Report of the project during design stage of the plant itself de scrubbers, adequate height of prilling tower and other o meet emission norms as per NAAQS. AAQ analysis	Date: 31/05/2025	
4	WATER QUALITY MONITORING AND PRESERVATION	Fresh water requirement shall not exceed 5.36 cum/to production. Fresh water shall be sourced from River G the required permission from the concerned authority. Construction phase, ground water may be used after pri in this regard from the concerned regulatory authority.	anga only aft During	
Fresh was		anga. Requisite NOC has been accorded by Central Water and that the fresh water requirement does not exceed 5.36	Date: 31/05/2025	
5	WATER QUALITY MONITORING AND PRESERVATION	As already committed by the project proponent, no w water shall be discharged outside to ensure ZLD. The edischarge, if any, shall meet the standards for 'Nitroger Industry' prescribed under the Environment (Protection	effluent 10us Fertilize	
ZLD pla Zero liq		and currently in operation. As the Project is based on water generated will be treated upto tertiary level in ETP	Date: 31/05/2025	
6	GREENBELT	The project proponent shall develop greenbelt in an a i.e., nearly 116 acres out of 350 acres of plant area of the green belt of 30 m width around periphery shall be pro	he project. Th	
MOU m		within the plant premises, approximately 41.30 acres of f a green belt, out of a total area of approximately 116	Date: 31/05/2025	

7	PUBLIC HEARING	All the commitments made during the Public Hearing Consultation meeting held on 29th April, 2017 shall be implemented and adequate budget provision shall be maccordingly.	satisfactorily
All the		earing/Public Consultation meeting held on 27th April, e budget was considered in the project cost.	Date: 31/05/2025
8	Corporate Environmental Responsibility	At least 2.5 % of the total cost of the project shall be towards the Enterprise Social Commitment (ESC) base needs and action plan with financial and physical break shall be prepared and submitted to the Ministry's Regio Ranchi. Implementation of such program shall be ensu accordingly in a time bound manner.	ed on local sup/details onal Office at
The Er outline Curren Educat	d by the Project. HURL is responsible tly, HURL management is reviewing	will be implemented according to the specified conditions e for developing a detailed action plan and budget. a proposal titled Improvement, Augmentation of ected Government Schools in Barauni, Begusarai Responsibility (CER) initiative.	Date: 31/05/2025
9	MISCELLANEOUS	A regular environment manager having post graduate in environmental sciences/ environmental engineering appointed for looking after the environmental manager of the proposed plant.	to be
The en Manag		f the plant are being looked after by a permanent onmental Monitoring work has been outsourced to an	Date: 31/05/2025
10	Statutory compliance	Continuous online (24x7) monitoring system for emi effluent generation shall be installed for flow/discharge and the pollutants concentration within the plant. Data uploaded on company's website and provided to the res MoEF&CC, CPCB and SPCB.	e measureme shall be
Contin	ctivity with CPCB server completed.	for stacks emissions has been installed at site. Its Manual display board for environment data (EC required	Date: 31/05/2025
	isplay has been installed and data is b	eing updated regularry.	
data) d	Risk Mitigation and Disaster Management	The unit shall make the arrangement for protection of hazards during manufacturing process in material hand Firefighting system shall be as per the norms.	
data) d 11 PPs 3	Risk Mitigation and Disaster Management Submission: Complied	The unit shall make the arrangement for protection of hazards during manufacturing process in material hand	

31/05/2025 workers are ensured to be equipped with PPEs such as helmets, hand gloves, boots etc. before entering into plant site. Storage of hazardous raw material shall not exceed more than 7 **MISCELLANEOUS** 13 days. Date: **PPs Submission:** Complied 31/05/2025 Storage of raw materials addressed in the Feasibility Report and EIA (HAZID and ENVID) report of the Project, being complied with the stated condition. 14 Statutory compliance Urea dust shall be controlled by prescribed standard technique. **PPs Submission:** Complied This is addressed while designing the prilling tower w.r.t height of UPT, gas sensors, manual PM monitoring etc. to control emission of urea dust and subsequent loss/ environmental pollution. The urea dust concentration is less than 50 mg/Nm3 or below 0.5 Kg/MT of urea produced. Following control measures adopted to ensure the above concentration: Provided adequate free fall height Date: Maintaining the moisture content in the melt below 0.5 percentage to increase prill strength. Prilling 31/05/2025 Tower of special design installed to maintain uniform and low velocity profile of cooling air. The louvers of the prilling tower designed in such a way that the air entering the louvers located in the bottom of PT shall generate low velocity cooled air. Maintaining optimum melt temperature Use of special design prilling buckets, etc. Besides above, all safety valves exhaust, which operates during occasional upsets, connected to Blow-down Stacks and the inerts shall be vented through 93-m high Vent Stacks. In Urea Plant, particulate emissions shall not exceed 50 mg/Nm3. Monitoring of Prilling Tower shall be carried out as per CPCB 15 Statutory compliance guidelines. Date: PPs Submission: Complied 31/05/2025 Particulate Emissions are within the 50 mg/Nm3. Urea Prilling tower Emissions are being monitored as per the CPCB Guidelines. Emission Monitoring report attached as Annexure-I. The levels of PM10 (Urea dust), S02, NOx, Ammonia, Ozone and HC shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and at 16 Statutory compliance important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF&CC, the respective Zonal office of CPCB and the SPCB. **PPs Submission:** Complied The levels of PM10 (Urea dust), SOx, NOx, Ammonia, Ozone and HC in the ambient air are being monitored since the construction phase by external agencies, having CPCB recognized laboratories. Date: (Monitoring Report for October 2024 to March 2025 attached as Annexure- I). Monitoring data is 31/05/2025 updated manually at outside of Plant Gate. Six monthly compliance reports with monitoring results are uploaded on HURLs website and its regular updating is done periodically. Simultaneously, every six-monthly compliance report is also being sent to the Regional office of MoEF and CC, the respective Zonal office of MoEF and CC and BSPCB as per stated condition. In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & AIR QUALITY conveyance of chemicals / materials, multi cyclone separator and MONITORING AND 17 water sprinkling system. Fugitive emissions in the work zone **PRESERVATION** environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the SPCB.

PPs Submission: Complied

The water sprinkling is being done on need basis for dust suppression in and around site. Air Quality is being monitored in work zone environment as per monitoring plan for assessment of pollution level during the operation phase (Annexure-I). The technology has inherent design features for minimum gaseous emissions. Gaseous raw materials, Liquid product, gaseous product, urea product and chemicals are handled in the closed system. Fugitive emission surveys are carried out to monitor emission in the work zone environment, product area etc. and are regularly monitored. Fugitive emissions monitored confirm the emission limits stipulated by as per SPCB norms.

Date: 31/05/2025

18 WASTE MANAGEMENT

The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous waste "(Management, Handling and Trans-Boundary Movement) Rules, 2016 and amended as on date for management of Hazardous wastes. Measures shall be taken for fire 'fighting facilities in case of emergency.

PPs Submission: Complied

Authorization has been obtained from BSPCB for Authorization for collection, storage and disposal of hazardous waste under the Hazardous and other Waste (Management, Handling and Trans-Boundary Movement) Rules, 2016. Adequate fire-fighting facilities have been provided and maintained for meeting the emergencies. (Authorization no. HW/B-1934 patna-10 dated 20.07.2022)

Date: 31/05/2025

19 MISCELLANEOUS

Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.

PPs Submission: Complied

The plant is at the operation stage. However, all necessary compliances were ensured during the construction phase. Majority of the construction wastes have been removed in an environmentally friendly manner.

Date: 31/05/2025

General Conditions

Sr.No.	Condition Type	Condition Details	
1	Statutory compliance	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	

PPs Submission: Complied
It is being complied regularly.

Date:
31/05/2025

No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry. 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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

PPs Submission: Complied

Noted, there is no further expansion or modifications in the plant is envisaged at this stage. However, as and when required, a fresh reference shall be made to the MoEF and CC, Govt. of India.

Date: 31/05/2025

AIR QUALITY MONITORING AND PRESERVATION

3

The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.

PPs Submission: Complied

The locations of ambient air quality monitoring have been decided in consultation with the Bihar State Pollution Control Board (BSPCB) and HURL officials for monitoring of Air Quality during construction /commissioning phase. 06 Nos. of AAQMS have been installed in the project area, out of which one station is selected in up-wind (East) and one station is selected in down-wind (West) directions.

Date: 31/05/2025

4 AIR QUALITY
4 MONITORING AND
PRESERVATION

The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 18th November, 2009 shall be followed.

PPs Submission: Complied Being Complied.

Date: 31/05/2025

5 Noise Monitoring & Prevention

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).

PPs Submission: Complied

The noise levels are maintained within the standard prescribed limits by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. (Data attached as Annexure-1)

Date: 31/05/2025

WATER QUALITY
6 MONITORING AND
PRESERVATION

The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.

PPs Submission: Complied

Rain water harvesting system is provided to collect water from all the plant buildings viz. admin, control rooms and laboratory as well as surface run off to ensure effective rain water harvesting and subsequent ground water recharge. As per envisaged plan, buildings like control room, operator room, maintenance building, canteen, laboratory building etc. will be having rain water harvesting facility. These are completed.

Date: 31/05/2025

7 Human Health Environment

Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.

PPs Submission: Complied

All Employees are imparted training on safety and health aspects of chemicals handling. Preemployment and routine periodical medical examinations for all employees is being undertaken on regular basis. Date: 31/05/2025

8 PUBLIC HEARING

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, risk mitigation measures and public hearing shall be implemented.

the politself. ' with a etc. Th	Illution control measured at every single This includes provision of suitable UP coustic enclosures, development of gre	stated. HURL has taken care of compliance with all e step wherever suggested/possible at design stage Γ , scrubbers, stacks, ETP with ZLD, equipments en belt/ green cover, rain water harvesting system Pollution control measures being ensured in	Date: 31/05/2025
)	Human Health Environment	The company shall undertake all relevant measures the socioeconomic conditions of the surrounding area shall be undertaken by involving local villages and ad	. CSR activities
CSR a impler the sur	mentation as well as under consideratio	when applicable. However, some initiatives are under on aimed at improving the socio-economic conditions of the obligations under ESC/PH issues. The various and other imparted agencies.	Date: 31/05/2025
10	Corporate Environmental Responsibility	The company shall undertake all eco-developmental including community welfare measures for overall im the environment.	
All eco		ommunity welfare measures for overall improvement of ving local villages and administration as per rule and PET.	Date: 31/05/2025
1	MISCELLANEOUS	A separate Environmental Management Cell equipp fledged laboratory facilities shall be set up to carry ou Environmental Management and Monitoring function	it the
The E0 follow reports QC) F	ring arrangement for environment cell i s to Shri. Sanjai Kumar Gupta, Project full-fledged laboratory facilities are to b	of Environmental Cell have been complied with and the s in place. 1) Mr. Srinu Pitta, Manager (Env. and QC) Head (BUH) 2) Mr. Divyanshu Trivedi, AM (Env. and be established to carry out the Environmental ch is currently done by 3rd party agency.	Date: 31/05/2025
12	Corporate Environmental Responsibility	The company shall earmark sufficient funds towards and recurring cost per annum to implement the condit by the Ministry of Environment, Forest and Climate of the State Government along with the implementation the conditions stipulated herein. The funds so earmark environment management pollution control measures diverted for any other purpose.	ions stipulated hange as well a schedule for al ked for
	Submission: Complied Complied.		Date: 31/05/2025
13	Statutory compliance	A copy of the clearance letter shall be sent by the pr to concerned Panchayat, Zila Parisad/Municipal Corp local Body and the local NGO, if any, from whom sug representations, if any, were received while processin	oration, Urban ggestions,
	Submission: Complied	<u>'</u>	Date:

14

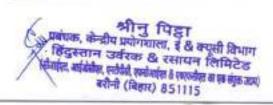
Statutory compliance

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-mail) to 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 reports shall be posted on the website of the company. Date: PPs Submission: Complied 31/05/2025 Being Complied. Regularly six-monthly compliance report is being submitted to MOEF and CC zonal office (both in hard copies as well as by-mail) and posted on the website of the company. 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 15 Statutory compliance on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by-mail. Date: **PPs Submission:** Agreed to Comply 31/05/2025 The environmental statement for the financial year ending 31st march 2025 in Form-V to be submitted and uploaded the same on Company website. 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 at http://moef.nic.in.This shall 16 Statutory compliance 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. Date: PPs Submission: Complied 31/05/2025 Complied The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the 17 **MISCELLANEOUS** project by the concerned authorities and the date of start of the project. Date: PPs Submission: Complied 31/05/2025 Complied Visit Remarks **Last Site Visit Report Date:** N/A **Additional Remarks:** Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.

COMPLIANCE OF EC CONDITIONS FOR THE PERIOD OCTOBER-2024 TO MARCH 2025

S. No.	EC Conditions	Self- Declarat ion	Compliance status
(A)	Specific Conditions		
1.	Emissions limits for the pollutants from the DG sets and the stack height, shall be in conformity with the extant statuary regulations and/or the CPCB guidelines in this regard.	Complied	Diesel Generator Sets are being used only in case of total Power Failure for safe shutdown of the Plants. Normally, the plant Complex Power requirement is being met from NBPDCL and Natural Gas based HURL own Captive Power Generation (2 Gas Turbines). Adequate stack height provided to ensure the statutory regulations & guidelines.
2.	To control source emissions, scrubber and/or other suitable pollution control device shall be installed to meet the prescribed Particulate Matter emission norms of 50 mg/Nm3, and also the NAAQS.	Complied	This has been addressed in the Feasibility Report of the project during design stage of the plant itself and complied. Design considerations include scrubbers, adequate height of prilling tower and other gas sensors/control measures in the plant to meet emission norms as per NAAQS. AAQ analysis report is attached as Annexure-I
3.	Fresh water requirement shall not exceed 5.36 cum/ton of Urea production. Fresh water shall be sourced from River Ganga only after the required permission from the concerned authority. During construction phase, ground water may be used after prior permission in this regard from the concerned regulatory authority.	Complied	Fresh water supply is sourced from river Ganga. Requisite NOC has been accorded by Central Water Commission (CWC). However, it is ensured that the fresh water requirement does not exceed 5.36 cum/ton of Urea production.
4.	As already committed by the project proponent, no waste/treated water shall be discharged outside to ensure ZLD. The effluent discharge, if any, shall meet the standards for 'Nitrogenous Fertilizer Industry' prescribed under the Environment (Protection) Rules, 1986.	Complied	ZLD plant is commissioned on 12.05.2024 and currently in operation. As the Project is based on Zero liquid discharge concept entire wastewater generated will be treated upto tertiary level in ETP and reusing in process.
5.	The project proponent shall develop greenbelt in an area of 33% i.e., nearly 116 acres out of 350 acres of plant area of the project. The green belt of 30 m width around periphery shall be provided.	Agree to Comply	MOU made DFO Begusarai for plantation within the plant premises, approximately 41.30 acres of land has been designated for the creation of a green belt, out of a total area of approximately 116 acres. This plantation work expected to complete before monsoon season.
6.	5000 trees per year in 5 years shall be planted in nearby villages with the consultation of the villagers. Survival rate of plants shall be reported to RO, MoEF & CC in 6 monthly compliance report.	Complied	Plantation work is awarded to State Forest dept on depositary work basis. 25000 plats planted by State Forest dept. (DFO Begusarai) in FY 2022-23 and survival rate of plants in Oct 2024 attached as Annexure-II
7.	All the commitments made during the Public Hearing/ Public Consultation meeting held on 29th April, 2017 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Agree to Comply	All the commitments made during Public Hearing/Public Consultation meeting held on 27th April, 2017 are being complied for which adequate budget was considered in the project cost.
8.	At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise	Agree to Comply	The Enterprise Social Commitment (ESC) will be implemented according to the specified conditions



physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Ranchi. Implementation of such program shall be ensured accordingly in a time bound manner.		developing a detailed action plan and budget. Currently, HURL management is reviewing a proposal titled "Improvement/Augmentation of Education & Related Infrastructure" for selected Government Schools in Barauni, Begusarai district, under the Corporate Environmental Responsibility (CER) initiative.
A regular environment manager having post graduate qualification in environmental sciences/ environmental engineering to be appointed for looking after the environmental management activities of the proposed plant.	Complied	The environmental management activities of the plant are being looked after by a permanent Manager level officer Mr. Srinu Pitta. Environmental Monitoring work has been outsourced to an external agency (NABL accredited Lab).
Continuous online (24x7) monitoring system for emissions and effluent generation shall be installed for flow/discharge measurement and the pollutants concentration within the plant. Data shall be uploaded on company's website and provided to the respective RO of MoEF&CC, CPCB and SPCB.	Complied	Continuous online(24x7) monitoring system for stacks emissions has been installed at site. Its Connectivity with CPCB server completed. Manual display board for environment data (EC required data) display has been installed and data is being updated regularly.
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.	Complied	Plant is equipped with adequate measures for control of failures/ hazards. Firefighting facilities are implemented as per norms.
Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied	Regular health check-up/monitoring of the commissioning/operation workers are being done. All the workers are ensured to be equipped with PPEs such as helmets, hand gloves, boots etc. before entering into plant site.
Storage of hazardous raw material shall not exceed more than 7 days.	Complied	Storage of raw materials addressed in the Feasibility Report and EIA (HAZID & ENVID) report of the Project, being complied with the stated condition.
Urea dust shall be controlled by prescribed standard technique.	Complied	This is addressed while designing the prilling tower w.r.t height of UPT, gas sensors, manual PM monitoring etc. to control emission of urea dust and subsequent loss/ environmental pollution. The urea dust concentration is less than 50 mg/Nm3 or below 0.5 Kg/MT of urea produced. Following control measures adopted to ensure the above concentration: • Provided adequate free fall height • Maintaining the moisture content in the melt below 0.5% to increase prill strength. • Prilling Tower of special design installed to maintain uniform and low velocity profile of cooling air. • The louvers of the prilling tower designed in such a way that the air entering the louvers located in the bottom of PT shall generate
	A regular environment manager having post graduate qualification in environmental sciences/ environmental engineering to be appointed for looking after the environmental management activities of the proposed plant. Continuous online (24x7) monitoring system for emissions and effluent generation shall be installed for flow/discharge measurement and the pollutants concentration within the plant. Data shall be uploaded on company's website and provided to the respective RO of MoEF&CC, CPCB and SPCB. 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. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. Storage of hazardous raw material shall not exceed more than 7 days. Urea dust shall be controlled by prescribed	A regular environment manager having post graduate qualification in environmental sciences/ environmental engineering to be appointed for looking after the environmental management activities of the proposed plant. Continuous online (24x7) monitoring system for emissions and effluent generation shall be installed for flow/discharge measurement and the pollutants concentration within the plant. Data shall be uploaded on company's website and provided to the respective RO of MoEF&CC, CPCB and SPCB. 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. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act. Storage of hazardous raw material shall not exceed more than 7 days. Urea dust shall be controlled by prescribed Complied

श्रीनु पिडा प्रबंधक, केन्द्रीय प्रयोगशाला, इं & क्यूसी विभाग विदुस्तान उर्वरक & रसायन लिमिटेड (वैदाल, ब्हेंसील, स्टीर्स, क्लोकांत के लक्ष्येल क क क्रा उड़ा) वरीनी (बिहार) 851115

			Maintaining optimum melt temperature Use of special design prilling buckets, etc. Besides above, all safety valves exhaust, which operates during occasional upsets, connected to Blowdown Stacks and the inerts shall be vented through 93-m high Vent Stacks.
15.	In Urea Plant, particulate emissions shall not exceed 50 mq/Nm³, Monitoring of Prilling Tower shall be carried out as per CPCB guidelines.	Complied	Particulate Emissions are within the 50 mg/Nm3. Urea Prilling tower Emissions are being monitored as per the CPCB Guidelines. Emission Monitoring report attached as Annexure-I.
16.	The levels of PM ₁₀ (Urea dust), 50 ₁ , NO _x , Ammonia, Ozone and HC shall be monitored in the ambient air and displayed at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the Regional office of MoEF&CC, the respective Zonal office of CPCB and the SPCB.	Complied	The levels of PM10 (Urea dust), SOx, NOx, Ammonia, Ozone and HC in the ambient air are being monitored since the construction phase by external agencies, having CPCB recognized laboratories. (Monitoring Report for October 2024 to March 2025 attached as Annexure- I). Monitoring data is updated manually at outside of Plant Gate. Six monthly compliance reports with monitoring results are uploaded on HURL's website and its regular updating is done periodically. Simultaneously, every six-monthly compliance report is also being sent to the Regional office of MoEF&CC, the respective Zonal office of MoEF&CC and BSPCB as per stated condition.
17.	In plant, control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling & conveyance of chemicals / materials, multi cyclone separator and water sprinkling system. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emissions shall conform to the limits stipulated by the SPCB.	Complied	The water sprinkling is being done on need basis for dust suppression in and around site. Air Quality is being monitored in work zone environment as per monitoring plan for assessment of pollution level during the operation phase (Annexure-I). The technology has inherent design features for minimum gaseous emissions. Gaseous raw materials, Liquid product, gaseous product, urea product and chemicals are handled in the closed system. Fugitive emission surveys are carried out to monitor emission in the work zone environment, product area etc. and are regularly monitored. Fugitive emissions monitored confirm the emission limits stipulated by as per SPCB norms.
18.	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous waste "(Management, Handling and Trans-Boundary Movement) Rules, 2016 and amended as on date for management of Hazardous wastes. Measures shall be taken for fire 'fighting facilities in case of emergency.	Complied	Authorization has been obtained from BSPCB for Authorization for collection, storage and disposal of hazardous waste under the Hazardous & other Waste (Management, Handling and Trans-Boundary Movement) Rules, 2016. Adequate fire-fighting facilities have been provided and maintained for meeting the emergencies. (Authorization no. HW/B-1934 patna-10 dated 20.07.2022)
19.	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structure to be removed after	Complied	The plant is at the operation stage. However, all necessary compliances were ensured during the construction phase. Majority of the construction wastes have been removed in an environmentally friendly manner.

प्रबंधक, केन्द्रीय प्रयोगशाला, ई & क्यूसी विभाग छिद्रस्तान उर्वरक & रसायन लिमिटेड (तेंब्रॉड, ऑसीड, लीडी एसीडॉड के स्टार्थक स स केंद्र उस) बरोनी (बिहार) 851115

	the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.		
(B)	General Conditions		
1.	The project authorities shall strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.	Complied	It is being complied regularly.
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry. 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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Complied	Noted, there is no further expansion or modifications in the plant is envisaged at this stage. However, as and when required, a fresh reference shall be made to the MoEF&CC, Govt. of India.
3.	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied	The locations of ambient air quality monitoring have been decided in consultation with the Bihar State Pollution Control Board (BSPCB) and HURL officials for monitoring of Air Quality during construction /commissioning phase. Of Nos. of AAQMS have been installed in the project area, out of which one station is selected in up-wind (East) and one station is selected in down-wind (West) directions.
4.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 18th November, 2009 shall be followed.	Complied	Being Complied.
5.	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).	Complied	The noise levels are maintained within the standard prescribed limits by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. (Data attached as Annexure-1)
6.	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Complied	Rain water harvesting system is provided to collect water from all the plant buildings viz. admin, control rooms and laboratory as well as surface run off to ensure effective rain water harvesting and subsequent ground water recharge. As per envisaged plan, buildings like control room, operator room, maintenance building, canteen, laboratory building etc. will be having rain water harvesting facility. These are completed.

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7.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied	All Employees are imparted training on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees is being undertaken on regular basis.
8.	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, risk mitigation measures and public hearing shall be implemented.	Complied	This condition will be complied in totality as stated. HURL has taken care of compliance with all the pollution control measured at every single step wherever suggested/possible at design stage itself. This includes provision of suitable UPT, scrubbers, stacks, ETP with ZLD, equipment's with acoustic enclosures, development of green belt/ green cover, rain water harvesting system etc. The effective implementation of all env. Pollution control measures being ensured in operational phase.
9.	The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Agree to Comply	CSR activities are being undertaken as and when applicable. However, some initiatives are under implementation as well as under consideration aimed at improving the socio-economic conditions of the surrounding area, as part of fulfilment of the obligations under ESC/ PH issues. The various activities are being initiated through CIPET and other imparted agencies.
10.	The company shall undertake all eco- developmental measures including community welfare measures for overall improvement of the environment.	Agree to Comply	All eco-developmental measures including community welfare measures for overall improvement of the environment will be undertaken by involving local villages and administration as per rule and Government guidelines. MoU made with CIPET.
11.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Being to Comply	The EC conditions relating to establishment of Environmental Cell have been complied with and the following arrangement for environment cell is in place. 1) Mr. Srinu Pitta, Manager (Env. & QC) reports to Shri. Sanjai Kumar Gupta, Project Head (BUH) 2) Mr. Divyanshu Trivedi, AM (Env. & QC) Full-fledged laboratory facilities are to be established to carry out the Environmental Management and Monitoring functions. Which is currently done by 3rd party agency.
12.	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.	Complied	Being Complied.

प्रबंधक, केन्द्रीय प्रयोगशाला, ई & क्यूसी विभाग विद्वस्तान उर्वस्क & रसायन लिमिटेड (हैंबईस, ब्रांबीडेंट, स्टीडेंड्, स्टीडेंड, स्टीडेंड,

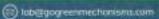
13.	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions, representations, if any, were received while processing the proposal.		Complied.
14.	The project proponent 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-mail) to 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 reports shall be posted on the website of the company.	Cost (official)	Being Complied. Regularly six-monthly compliance report is being submitted to MOEF & CC zonal office (both in hard copies as well as by-mail) and posted on the website of the company.
15.	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by-mail.	Agreed to Complied	The environmental statement for the financial year ending 31st march 2025 in Form-V to be submitted and uploaded the same on Company's website.
16.	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 at http://moef.nic.in.This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied	Complied
17.	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.	Complied	Complied.

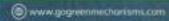
अीम् पिद्धा प्रबंधक, केन्द्रीय-प्रयोगशाता, ई & क्यूसी विभाग विद्वस्तान उर्वस्क & रसायन लिमिटेड (वेशक, बांबेबेट, लोडेंड्, क्रांबंत है स्कावत का का कुट उड़) बरीनी (बिहार) 851115



Dayal Estatu, National Highway No. B. Opp. APMC Market Gate-1, Jetabur, District-Ahmedabad-182426. Gujarat, INDIA.

(C)+91-70680 72001





Annexure-1

Env. STATEMENT for CTO Compliance for the period October 2024 - March 2025 for Ammonia -Urea (2200) MTPD & 3850 MTPD) plant of HURL at Barauni

This Compliance Report is the fulfilments of the condition of the Environmental Clearance (EC) vide File No.EC [IA/BR/IND2/61377/2016, J-11011/371/2016-IA II (I)] for the period of October 2024 - March 2025 This report has been prepared by Go Green Mechanisms Pvt Ltd by collecting respective samples in consultation with the State Pollution Control Board (SPCB) officials and Hindustan Urvarak and Rasayan Limited (HURL) officials During the above mentioned period the analysis of the environmental parameters has been conducted by the MOEF&CC recognized Laboratory at Go Green Mechanisms Pvt Ltd, Ahmedabad.

The proposed project is located at Barauni and was commissioned on 18 November 2022 with the capacity of 2200MTPD Ammonia and 3850MTPD Urea in the District Begusarai in the state of Bihar. The commercial production has started from 19 November 2022 with the board name APNA UREA. The area falls in the agricultural belt of the Bihar.

The compliance report fulfils the 19 Nos of Specific Conditions and 17 Nos. of General Conditions led by Ministry of Environment, Forests and Climate Change Rainwater Harvesting and Ground Water charging has been proposed as per Standard Guidelines:

- Guidelines on Artificial Recharge of Water, Central Water Ground Board, Ministry of Water Resources. Gol (2000)
- Manual on Artificial Recharge of Ground Water, Central Water Ground Board, Ministry of Water Resources, Gol (2007)
- Rain Water Harvesting and Conservation Manual Consultancy Services Organization, CPWD, Gol (2002)

The Environmental Monitoring report of 6 months w.r.t Air. Water and Noise have been presented separately with the average values. The environmental conditions and the compliance have been found normal as per the Standards. The Air Quality results have been presented through a self-explanatory table with the NAAQ Standards w.r.t the parameter PM10, PM2.5, NOx. SOX, C6H6, CO Benzo(a) pyrene (BAP), NH3, Ozone, Nickel, Arsenic and Lead. Three sets each of Ground Water Samples and Surface Water Samples have been collected, analyzed in a self-explanatory table, and compared with Drinking Water Standards (IS:10500:2012) The analysis consists of eight nos, of physical parameters, thirteen no's of chemical parameters, nine no's of Heavy metals and three no's of miscellaneous parameters. Noise Quality has also been measured at six different locations in the periphery of the project area. The results have been presented through self-explanatory table consisting of the Standard NAAQS w.r.t noise.

For GO GREEN MECHANISMS PVT, LTD.

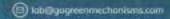
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प्रबंधक, केन्द्रीय प्रयोगशाला, ई & क्यूसी विभाग हिंदुस्तान, उर्वरक & रसायन लिमिटेड (वीधारेत, बर्डवेरील, स्ट्रीटेर्ड, एव्डीध्रोता है स्मापनीता व स्थ मुख्य कार) बरौनी (बिहार) 851115



Head Office & Lab
Dayof Estate, National Highway No. 8. Opp APMC Market Gate-1, Jetolpur, District-Ahmedabod-382426,
Gujarat, INDIA.

(s) +91-70090 72001





The below report with respect to Air, Water and Noise represents the average values of different sampling stations collected at different time during the study period of October 2024 - March 2025.

TABLE -1 Location of Air Quality Monitoring Stations

is. No.	Location of Station	Frequency
1.	HURL Admin Building(SA1)	Twice a Week
2.	HURL Township(SA2)	Twice a Week
3.	Chakiya Viilage (SA3)	Twice a Week
4.	Bihat Village (SA4)	Twice a Week
5.	Simiriya Village (SA5)	Twice a Week
6.	Chackbali Viilage(SA6)	Twice a Week



For, GO GREEN MECHANISMS PVT, LTU.

Authorized Signators

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For, GO GREEN NECHANISMS PVT. LTD.

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HURL Barauni, Air Quality data — (October 2024 - March 2025)

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Lead	Arsenic	Nickel	Benzo(a) pyrene	Benzene	Carbon Monoxide	Ammonia	Ozone	NO ₂	502	PM _{2.5}	PM ₁₀	Lead	Arsenic	Nickel	Benzo(a) pyrene	Benzene	Carbon Monoxide	Ammonia	Ozone	NO ₂	502	PM _{2.5}	PM ₁₀	h Parameters
hd/m/	ng/m ³	ng/m²	ng/m³	hg/m ³	mg/m ³	hg/m ³	hg/m ³	hð/w ₃	hg/m ³	hg/m ²	hg/m ³	hg/m ³	ng/m ³	ng/m³	ng/m³	hg/m ³	mg/m ³	hg/m ³	m/Brt	µg/m³	hg/m ³	hd/w ₁	hg/m ³	01
—	6	20	-	G	4	400	180	80	80	60	100	***	6	20	1	G	4	400	180	80	80	60	100	Standards
BQL (QL=0.001)	8QL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.49	12.21	12,84	24.26	14.14	35.69	68.84	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.61	9.31	13.69	21.93	15,23	33.74	68.79	Building (SA1)
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.53	14.07	13.57	22.73	14.33	35.53	70.01	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.62	11.87	14.03	22,27	15.95	34.71	71.57	(SAZ)
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0,44	11.53	13.07	24.17	14.6	36.66	71.08	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.56	13.23	13.45	22.65	15.05	35.08	71.71	(SA3)
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0,54	12.84	13.8	25.64	13,91	35.47	71.8	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0,63	13.63	13.38	22.4	15.26	34.93	70.54	(SA4)
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0,52	14.32	14.18	23,13	13,59	35.65	69.44	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.64	12.01	13.96	22,66	15,76	33.93	72.14	(SAS)
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.56	12.28	14.4	25.5	14.62	36.42	73.26	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.58	11,33	14.02	20.56	14.37	33.6	68.47	(SA6)



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Lead	Arsenic	Nickel	Benzo(a) pyrene	Benzene	Carbon Monoxide	Ammonia	Ozone	NO ₂	502	PM _{2.5}	PM ₁₀	Lead	Arsenic	Nickel	Benzo(a) pyrene	Benzene	Carbon Monoxide	Ammonia	Ozone	NO	SO ₂	PM _{2.5}	PM ₁₀	Parameters	
hg/m ³	ng/m³	ng/m³	ng/m³	hg/m ³	mg/m³	hg/m ³	hg/m ³	hg/m ³	ha/m³	hg/m³	hg/m ³	hg/m ³	ng/m³	ng/m³	ng/m³	hg/m³	mg/m³	hg/m ³	µg/m³	hð/m³	my/grt	hg/m²	µg/m³		
-	6	20	1	UN	4	400	180	80	80	60	100	1	6	20	1	S	4	400	180	80	80	60	100	Standards	NAAQS
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.65	19.97	14,94	28,51	16.52	39.67	73.71	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.53	17.86	21.35	33.2	17.49	39.14	72.91	Building(SA1)	HURL Admin
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.62	20.56	16.81	27.47	18.22	39.99	76.56	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.57	19.2	20.28	31,58	18.79	36.42	70.93	(SA2)	HURL Township
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.56	19.11	15,09	24.17	16.65	38.22	73.96	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.56	18	21.33	34.62	19.62	38.69	72,59	(SA3)	Chakiya Village
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.56	21.39	16.03	25,43	15.86	43.16	78.27	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.54	16.36	20.23	31.27	19.21	35.88	71.76	(5A4)	Bitist Village
BQL (QL=0.001) BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.71	22.58	18,35	27.2	18.02	41.39	76.57	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.58	15.21	11.95	26.98	15.3	36.3	72.42	(SAS)	Simariya Village
BQL (QL=0.00	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5	BQL (QL=2.5	0,62	21.55	16.83	25.76	16.35	41.12	75.96	BQL (QL=0.00	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5	BQL (QL=2.5	0.57	18.81	22.84	35.75	19.63	37.63	73.62	Village(SA6)	Chackball

For GO GREEN MECHANISMS PVT LT Authorized Signate-

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्रीन् क्रिक्ट के नेपा प्रयोगित है के क्यूनी विचान विदुक्तान उर्वरक के रसायन दिनमेटेड विद्वर प्रवेशेंड प्रथित क्रिक्ट के क्यून क्यां



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	(9.	94	rtias	25	age of the last of		R	0) lab	θу	gree	PORT	echa	men	1966	-	Feb-	0) www	rw.g	oger	erst.		in the
Lead	Arsenic	Nickel	Benzo(a) pyrene	Bertzene	Carbon Monoxide	Ammonia	Ozone	NO ₂	502	PM2.5	PM ₁₀	Lead	Arsenic	Nickel	Benzo(a) pyrene	Berizene	Carbon Monoxide	Ammonia	Ozone	Ş	SO ₂	PM2.5	PM ₁₀		Parameters
hg/m ²	ng/m ³	ng/m²	ng/m³	hg/m ³	mg/m ³	hd/m3	hg/m ³	hg/m²	µg/m³	hg/m³	µ9/m³	µg/m³	ng/m³	ng/m³	ng/m³	hg/m ³	mg/m ³	µg/m³	hg/m³	hg/m ³	µg/m³	hg/m ³	hg/m ²	100	
1	6	20	1	v	4	400	180	80	80	60	100	1	0	20	1	5	4	400	180	80	80	60	100	Standards	NAAQS
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.58	15.36	16.57	25.84	16.57	41.66	75.05	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.56	17.32	14.01	24.28	14.76	39.42	71,09	Building(SA1)	HURL Admin
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.64	17.56	19.17	28.82	18.93	44.94	80.65	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.59	20.27	15.92	27.3	17.07	41.29	73.44	(SA2)	HURL Township
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.55	15.53	15.99	24.68	15.04	37.65	69.82	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.53	18.01	12.66	23.09	13.62	35.04	65.81	(SA3)	Chakiya Village
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.58	14.87	15.4	24.29	14.53	39.94	72.63	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.56	18.54	16.04	27.03	16.9	41.71	74.44	(SA4)	Bhat Village
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.62	17.73	17.73	26.82	16.98	43,69	76.86	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.57	20.09	14.89	25,14	15.63	38.69	70.55	(SAS)	Simariya Village
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.6	18.09	16.96	26.75	16.78	42.91	77.04	BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.58	19.87	16	27.28	17	41.29	74.36	Village(SA6)	Chackball



For GO GREEN MECHANISMS PVI. LIL.

Authorized Signator

शी जु चिहा प्रवास, संन्दीय प्रयोगणाता, ई & कपूरी विभाग हिंदुस्तान उर्वरक & रसायन किमिटेड करी, संस्थित संस्थित हार्थित क्षांक्षक स्वत्रका वर्तनी (बिह्नर) 851115



Head Office & Lab Dayof Estata, National Highway No. B. Opp APMC Market Gate-1, jotalpur, District-Ahmedabad-382426, Gujarot, INDIA.

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				2025)	2024 - March	October	verage					A THE SPIRE	Month
Lead	Arsenic	Nickel	Benzo(a) pyrene	5) Benzene	Carbon Monoxide	Ammonia	Ozone	NO ₂	502	PM _{2.5}	PMig	Constitution and a	Daramoto
hg/m ³	ng/m³	ng/m³	ng/m³	hg/m ³	mg/m³	hg/m ³	µg/m³	hg/m ³	hg/m ³	µg/m³	Fg/m ³	*	
1	6	20		5	4	400	180	80	80	60	100	Standards	NAAQS
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.57	15.34	15.57	26.34	15.79	38.22	71,73	Building(SA1)	HURL Admin
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.60	17,26	16.63	26.70	17.22	38.81	73.86	(SA2)	HURL Township
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.53	15,90	15.27	25.56	15.76	36.89	70.83	(SA3)	Chakiya Village
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.57	16.27	15.81	26.01	15.95	38.52	73.24	(SA4)	Bihat Village
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.61	16.99	15.18	25.32	15.88	38.28	73.00	(SA5)	Simariya Village
BQL (QL=0.001)	BQL (QL=1)	BQL (QL=5)	BQL (QL=0.5)	BQL (QL=2.5)	0.59	16,99	16.84	26,93	16.46	38,83	73.79	Village(SA6)	Chackball



For GO GREEN MECHAMISMS HVI. LIL.

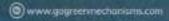
Authorized Signatory



Head Office & Lob
Dayof Estats, National Highway No. B. Opp APMC Market Gate-1, jetalpur, District-Ahmedabad-392426,
Guerrat, INDIA.







Location of Noise Monitoring Stations

ir. No.	Source	Frequency
1.	HURL Admin Building (SN1)	Once in a Month
2,	HURL Township (SN2)	Once in a Month
3.	Chakiya Village (SN3)	Once in a Month
4.	Bihat Village (SN4)	Once in a Month
5.	Simiriya Village (SN5)	Once in a Month
6.	Chackball Village (SN6)	Once in a Month



For, GO GREEN MECHANISMS PV I. LTD.

Authorized Signatory

प्रबंधक, केन्द्रीय प्रयोगमाला, ई & वयुशी क्रियान विदुस्तान उर्वरक & रसायन शिविटेड विदुस्तान उर्वरक & रसायन शिविटेड (क्रिक्स, सुकेश, शर्वार्थ, स्वरंकी क्रिक्स) अ स स्वरंक बरीनी (बिहार) 851115



Head Office & Lab
Dayof Estate, National Highway No. B. Opp APMC Market Gate-1, Jetalaur, District Ahmedabad-382426.

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	AS P	7.4	Mar-25		6	Feb-25	1 75	500	Jan-25	01		Dec-24) 1=	09	Nov-24			Oct-24	CONT	Month
Day time dB (A) Leq	24 hrs. Avg Leq Value dB(A)	Night time dB (A) Leq	Day time dB (A) Leq	24 hrs. Avg Leq Value dB(A)	Night time dB (A) Leq	Day time dB (A) Leq	24 hrs. Avg Leq Value dB(A)	Night time dB (A) Leq	Day time dB (A) Leq	24 hrs. Avg Leq Value dB(A)	Night time dB (A) Leq	Day time dB (A) Leq	24 hrs. Avg Leq Value dB(A)	Night time dB (A) Leq	Day time dB (A) Leq	24 hrs. Avg Leq Value dB(A)	Night time dB (A) Leq	Day time dB (A) Leq	24 hrs. Avg Leq Value dB(A)	Parameters
75	٠	70	75		70	75	,	70	75	*	70	75	X	70	75	(C)	70	75		Prescribed Limit in dB(A) as per NAAQS Industrial area
67.6	66.0	57.9	66.1	64.6	55.8	65.8	64.2	58.2	66.8	65.3	60.3	68.8	67.3	60.4	69.1	67.6	52,3	68.8	67.0	HURL Admin Building
69.2	67.4	52.4	65.0	63.3	57.2	69.8	68.1	55.3	69.6	67.9	56.2	70.9	69.2	55,4	71.0	69.3	45.0	68,6	66.8	HURL Township
66.4	64.9	53.3	62.1	60.6	53.7	63.2	61.6	58,8	68.9	67.3	61.8	68.5	67.2	63.0	68.8	67.5	52.8	66.7	65.0	Chakya Village
69.6	68.0	53.0	63.6	62,1	52.1	67.7	66.0	59.1	69.4	67.8	61.2	71.6	70.0	56.8	71.6	69.9	54.3	73.7	72.0	Bhat Village
63.3	61.7	49.5	61.1	59.5	48.6	61,5	59.9	52.5	63.8	62.2	53.1	64.2	62.6	53.1	64.2	62.6	43.2	65.1	63.3	Smiriya
62.5	61.0	51.5	62.6	61.0	52.2	61.9	60,3	51.8	62.2	60.6	53.0	61.5	60.1	53.0	61.5	60.0	去.1	65.4	63.7	Chackball Village
	Average Day time dB (A) Leq 75 67.6 69.2 66.4 69.6 63.3	Average Day time dB (A) Leq 75 67.6 69.2 66.4 69.5 63.3	Night time dB (A) Leq 70 57.9 52.4 53.3 53.0 49.5 24 hrs. Avg Leq Value dB(A) - 66.0 67.4 64.9 68.0 61.7 Day time dB (A) Leq 75 67.6 69.2 66.4 69.6 63.3	Mar-25 Day time dB (A) Leq 75 66.1 65.0 62.1 63.5 61.1 Night time dB (A) Leq 70 57.9 52.4 53.3 53.0 49.5 Average 24 hrs. Avg Leq Value dB(A) Leq - 66.0 67.4 64.9 68.0 61.7 Average Day time dB (A) Leq 75 67.6 69.2 66.4 69.6 63.3	24 hrs. Avg Leq Value dB(A) - 64.6 63.3 60.6 62.1 59.5 Mar-25 Day time dB (A) Leq 75 66.1 65.0 62.1 63.6 61.1 Night time dB (A) Leq 70 57.9 52.4 53.3 53.0 49.5 Average Day time dB (A) Leq 75 67.6 69.2 66.4 69.6 63.3	Mar-25 Night time dB (A) Leq 70 55.8 57.2 53.7 52.1 48.6 Mar-25 24 hrs. Avg Leq Value dB(A) Leq - 64.6 63.3 60.6 62.1 59.5 Night time dB (A) Leq 75 66.1 65.0 62.1 63.6 61.1 Average 24 hrs. Avg Leq Value dB(A) Leq 75 66.0 67.4 64.9 68.0 61.7 Average Day time dB (A) Leq 75 67.6 69.2 66.4 69.6 63.3	Feb-25 Day time dB (A) Leq 75 65.8 69.8 63.2 67.7 61.5 Night time dB (A) Leq 70 55.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 75 66.1 65.0 65.0 62.1 59.5 Night time dB (A) Leq 70 57.9 52.4 53.3 53.0 49.5 Average Day time dB (A) Leq 75 66.0 67.4 64.9 68.0 61.7	Feb-25 Day time dB (A) Leq - 64.2 68.1 61.6 66.0 59.9 Mar-25 Day time dB (A) Leq 75 65.8 69.8 63.2 67.7 61.5 Mar-25 Night time dB (A) Leq 70 55.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 75 66.1 65.0 62.1 63.3 60.6 62.1 59.5 Night time dB (A) Leq 75 66.1 65.0 62.1 63.3 53.0 49.5 Average Day time dB (A) Leq 75 66.0 67.4 64.9 68.0 61.7 Average Day time dB (A) Leq 75 66.0 67.6 69.2 66.4 69.6 63.3	Night time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Feb-25 24 hrs. Avg Leq Value dB (A) Leq 75 65.8 69.8 63.2 67.7 61.5 Night time dB (A) Leq 70 55.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 75 66.1 65.0 62.1 59.5 Night time dB (A) Leq 75 66.1 65.0 62.1 63.6 61.1 Average Day time dB (A) Leq 70 57.9 52.4 53.3 53.0 49.5 Average Day time dB (A) Leq 75 66.0 67.4 64.9 68.0 61.7 Average Day time dB (A) Leq 75 66.0 67.4 64.9 68.0 61.7	Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.8 Nilght time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Feb-25 24 hrs. Avg Leq Value dB(A) Leq 75 65.8 69.8 63.2 67.7 61.5 Night time dB (A) Leq 70 55.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 75 66.1 63.3 60.6 62.1 59.5 Night time dB (A) Leq 75 66.1 65.0 62.1 69.5 Night time dB (A) Leq 75 66.1 65.0 62.1 63.5 Night time dB (A) Leq 75 66.1 65.0 62.1 63.6 61.1 Average 24 hrs. Avg Leq Value dB(A) - 66.0 67.4 64.9 68.0 61.7 Average Day time dB (A) Leq 75 66.0 67.4 64.9 68.0 61.7	24 hrs. Avg Leq Value dB(A) - 65.3 67.9 67.3 67.8 62.2 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.8 Night time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Peb-25 Day time dB (A) Leq 75 65.8 69.8 69.8 63.2 67.7 61.5 Night time dB (A) Leq 70 55.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 75 66.1 65.0 62.1 59.5 Night time dB (A) Leq 75 66.1 65.0 62.1 59.5 Night time dB (A) Leq 75 66.1 65.0 62.1 63.6 61.1 Average Day time dB (A) Leq 75 66.0 67.4 64.9 68.0 61.7 Day time dB (A) Leq 75 66.0 67.4 64.9 68.0 61.7 Day time dB (A) Leq 75 66.0 67.6 69.2 66.4 69.6 63.3	Night time dB (A) Leq 70 60.3 56.2 61.8 61.2 53.1 Jan-25 24 hrs. Avg Leq Value dB(A) - 65.3 67.9 67.3 67.8 62.2 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.8 Feb-25 Night time dB (A) Leq 70 58.2 55.3 58.8 59.1 59.5 Night time dB (A) Leq 75 65.8 69.8 63.2 66.0 59.1 59.5 Night time dB (A) Leq 75 65.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 75 64.6 63.3 60.6 62.1 59.5 Mar-25 Day time dB (A) Leq 75 66.1 63.3 60.6 62.1 59.5 Mar-25 Day time dB (A) Leq 75 66.1 65.0 63.3 60.6 62.1 59.5 Night time dB (A) Leq 75 66.1 65.0 63.3 53.0 <td< td=""><td>Dec-24 Day time dB (A) Leq 75 68.8 70.9 68.5 71.5 64.2 Nilght time dB (A) Leq 70 60.3 56.2 61.8 61.2 53.1 Jan-25 Day time dB (A) Leq 70 65.3 67.9 67.3 67.8 62.2 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.8 Feb-25 Day time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Night time dB (A) Leq 75 65.8 69.8 69.6 68.9 69.4 63.8 Path rs. Avg Leq Value dB(A) - 64.2 68.1 61.5 66.0 59.9 Mar-25 Day time dB (A) Leq 75 65.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 75 66.1 63.3 60.6 62.1 59.5 Mar-25 Day time dB (A) Leq 75 66.1 65.0 63.3 60.6 6</td><td>Dec-24 24 hrs. Avg Leq Value dB(A) - 67.3 69.2 67.2 70.0 62.6 Dec-24 Day time dB (A) Leq 75 68.8 70.9 68.5 71.5 64.2 Night time dB (A) Leq 70 60.3 56.2 61.8 61.2 53.1 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.8 Feb-25 Day time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Feb-25 Day time dB (A) Leq 75 64.2 68.1 61.5 66.0 59.9 Feb-25 Day time dB (A) Leq 70 55.8 69.8 59.1 52.5 Night time dB (A) Leq 70 55.8 69.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 70 55.8 57.2 53.7 52.1 48.6 Day time dB (A) Leq 75 66.1 65.0 63.3 50.6 62.1 59.</td><td>Might time dB (A) Leq 70 60.4 55.4 63.0 56.8 53.1 Dec-24 24 hrs. Avg Leq Value dB(A) - 67.3 69.2 67.2 70.0 62.6 Dec-24 Day time dB (A) Leq 75 68.8 70.9 68.5 71.5 64.2 Might time dB (A) Leq 70 60.3 56.2 61.8 61.2 53.1 Jan-25 Day time dB (A) Leq 70 65.3 67.9 67.3 67.8 62.2 Night time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Peb-25 Day time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Night time dB (A) Leq 70 58.8 57.2 53.7 51.5 48.6 Night time dB (A) Leq 70 55.8 57.2 53.7 52.1 48.6 Night time dB (A) Leq 75 66.1 65.0 62.1 53.5 53.1 Night time dB (A) Leq 75</td><td>Nov-24 Day time dB (A) Leq 75 69.1 71.0 68.8 71.5 64.2 Might time dB (A) Leq 70 60.4 55.4 63.0 56.8 53.1 Dec-24 Night time dB (A) Leq 70 60.3 69.2 67.2 70.0 62.6 Dec-24 Day time dB (A) Leq 75 68.8 70.9 68.5 71.5 64.2 Day time dB (A) Leq 70 60.3 56.2 61.8 61.2 53.1 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 67.3 67.8 Jan-25 Day time dB (A) Leq 70 58.2 55.3 67.9 67.3 67.8 69.4 63.8 Jan-25 Day time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Day time dB (A) Leq 75 65.8 69.8 63.2 66.0 59.9 Mar-25 Day time dB (A) Leq 75 65.8 57.2 53.7 52.1</td><td>Nov-24 24 hrs. Avg Leq Value dB(A) - 67.6 69.3 67.5 69.9 62.6 Nov-24 Day time dB (A) Leq 75 69.1 71.0 68.8 71.5 64.2 Might time dB (A) Leq 70 60.4 55.4 63.0 56.8 53.1 Dec-24 Day time dB (A) Leq 70 60.3 69.2 67.2 70.0 62.6 Jan-25 Day time dB (A) Leq 70 66.8 70.9 68.5 71.5 64.2 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 67.3 67.8 62.2 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.2 Peb-25 Day time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Feb-25 Day time dB (A) Leq 70 55.8 69.8 63.2 67.7 61.5 Mar-25 Day time dB (A) Leq 70 55.8 57.2 5</td><td> Night time dB (A) Leq 70 52.3 45.0 52.8 54.3 43.2 </td><td>Oct-24 Day time dB (A) Leq 75 68.8 68.6 66.7 73.7 65.1 Nught time dB (A) Leq 70 52.3 45.0 52.8 54.3 43.2 Nov-24 Night time dB (A) Leq 75 69.1 71.0 68.8 71.5 69.3 Dec-24 Night time dB (A) Leq 70 60.4 55.4 63.0 56.8 53.1 Dec-24 Day time dB (A) Leq 70 60.4 55.4 63.0 56.8 53.1 Dec-24 Day time dB (A) Leq 70 60.3 55.2 67.2 70.0 62.6 Night time dB (A) Leq 70 60.3 56.2 61.8 61.2 53.1 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.8 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.8 Jan-25 Day time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5</td><td>Oct-24 Day time dB (A) Leq 67.0 66.8 65.0 72.0 63.3 Not-24 Day time dB (A) Leq 75 68.8 68.6 66.7 73.7 65.1 Nov-24 Night time dB (A) Leq 70 52.3 45.0 52.8 54.3 43.2 Nov-24 Day time dB (A) Leq 70 67.6 69.3 67.5 69.9 62.6 Nov-24 Night time dB (A) Leq 70 60.4 55.4 63.0 56.8 53.1 Pec-24 Day time dB (A) Leq 70 66.8 70.9 68.8 70.0 62.6 Night time dB (A) Leq 70 66.3 56.2 61.8 61.2 53.1 Jan-25 Day time dB (A) Leq 70 66.3 56.2 66.8 71.5 64.2 Jan-25 Day time dB (A) Leq 70 58.2 55.3 67.9 67.3 67.8 59.1 53.1 Jan-25 Day time dB (A) Leq 70 58.2 55.3</td></td<>	Dec-24 Day time dB (A) Leq 75 68.8 70.9 68.5 71.5 64.2 Nilght time dB (A) Leq 70 60.3 56.2 61.8 61.2 53.1 Jan-25 Day time dB (A) Leq 70 65.3 67.9 67.3 67.8 62.2 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.8 Feb-25 Day time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Night time dB (A) Leq 75 65.8 69.8 69.6 68.9 69.4 63.8 Path rs. Avg Leq Value dB(A) - 64.2 68.1 61.5 66.0 59.9 Mar-25 Day time dB (A) Leq 75 65.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 75 66.1 63.3 60.6 62.1 59.5 Mar-25 Day time dB (A) Leq 75 66.1 65.0 63.3 60.6 6	Dec-24 24 hrs. Avg Leq Value dB(A) - 67.3 69.2 67.2 70.0 62.6 Dec-24 Day time dB (A) Leq 75 68.8 70.9 68.5 71.5 64.2 Night time dB (A) Leq 70 60.3 56.2 61.8 61.2 53.1 Jan-25 Day time dB (A) Leq 75 66.8 69.6 68.9 69.4 63.8 Feb-25 Day time dB (A) Leq 70 58.2 55.3 58.8 59.1 52.5 Feb-25 Day time dB (A) Leq 75 64.2 68.1 61.5 66.0 59.9 Feb-25 Day time dB (A) Leq 70 55.8 69.8 59.1 52.5 Night time dB (A) Leq 70 55.8 69.8 57.2 53.7 52.1 48.6 Mar-25 Day time dB (A) Leq 70 55.8 57.2 53.7 52.1 48.6 Day time dB (A) Leq 75 66.1 65.0 63.3 50.6 62.1 59.	Might time dB (A) Leq 70 60.4 55.4 63.0 56.8 53.1 Dec-24 24 hrs. 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HURL Barauni, Noise data - (October 2024 - March 2025)



प्रबंधक, कंदीप प्रयोगशाल, ई & क्यूसी विभाग प्रबंधक, कंदीप प्रयोगशाल, ई & क्यूसी विभाग विद्वतान एवर्डक & रसायन लिमिटेड विद्वतान एवर्डक, स्केशित विश्वक्रीक क कह क्या क्यान अंद्रेशी, प्रवेशित विश्वक्री विश्वक्र क्या क्यान (विश्वार) 851115

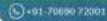
For GO GREEN MECHANISMS FV. Đ

Authorized Signatory

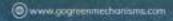


Head Office & Lab

Doyal Estate, National Highway No. 8, Opp APMC Market Gate-1, Jetopur, District-Annedabad-382426, Gujarot, INDIA.







Location of Ground water Monitoring Stations

Sr. No.	Source	Parameters	Frequency
1.	HURL Plant Nr. Main gate (Bore-well)	As per (IS:10500)	Once in a Month
2.	HURL Township (Guest House) (Bore-Well)	As per (IS:10500)	Once in a Month
3.	Chakiya Village (Hand Pump)	As per (IS:10500)	Once in a Month

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For, GO GREEN MECHANISMS PVI. LIC.

Authorized Signate

श्रीनु पिडा प्रशंधक, केन्द्रीय प्रयोगशाला, ई & क्यूसी विभाग विदुस्तान उर्वरक & रसाधन लिमिटेट विश्वेत, ब्रह्मील, लीमें, क्ष्मेंग्रेज है ल्यूनील क स्कृत्या हरोनी (बिहार) 851115



Head Office & Lab Doyal Estate, National Highway No. 8, Opp APMC Market Gate-1, Jetobur, District-Ahmedabad-382426.

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	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	11	10	9	00	7	6	5	4	w	2	-	r No.
	Total Coliform	Nitarte	Sodium As Na	Potassium as K	Zinc as Zn	Nickel as Ni	Manganese As Mn	Lead as Pb	Iron as Fe	Copper as Cu	Total Chromium as Cr	Cadmium as Cd	Arsenic as As	Total Alkalinity	Turbidity	Total Hardness	TSS	TDS	Temprature	Taste	Sulphate	Silica	PH	Oil & Grease	Odour	Mg	Fluoride	Color	Chloride	Calcium	Alkalinity as CaCO3	Parameters
N M	MPN per 100ml	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	NIN	1/pm	mg/L	mg/L	000		mg/L	mg/L		mg/L		mg/L	mg/L	CO.	mg/L	mg/L	mg/L	Unit
कीन गिला	BQL(QL=2)	2.70	27.59	2.92	BQL (QL=0.02)	BQL (QL=0.01)	BQL (QL=0.05)	BQL(QL=0.005)	0.05	BQL (QL=0.02)	BQL (QL=0.02)	BQL(QL=0.002)	10.0	BQL(QL=2)	2.19	401.33	BQL (QL=5)	539,00	25.77	Agresable	28,61	7.26	7.51	8QL (QL=1)	Agreeable	30.17	0.46	BQL (QL=2.5)	38.32	111.09	352.67	(Guest House)
	BQL(QL=2)	0.49	71.31	4.57	BQL (QL=0.02)	BQL (QL=0.01)	0.32	BQL (QL=0.005)	0.07	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.002)	0.01	BQL(QL=2)	1.17	480.17	BQL (QL=5)	715.50	25.75	Agreeable	53.91	2.86	7.61	BQL (QL=1)	Agreeable	49.90	0.50	BQL (QL=2.5)	138.80	110.69	377.00	спакца унаце
	BQL(QL=2)	0.52	22.33	3.17	BQL (QL=0.02)	BQL (QL=0.01)	0.20	BQL(QL=0.005)	0.06	BQL (QL=0.02)	BQL (QL=0.02)	BQL(QL=0.002)	0.01	BQL(QL=2)	2.48	415.67	BQL (QL=5)	531.83	25.47	Agreeable	17.64	14.37	7.64	BQL (QL=1)	Agreeable	34.30	0.21	BQL (QL=2.5)	33.24	111,08	338.83	- Short ment that
For GO GREEN MECHANISMS PY	Absent	45	S	NS	U	0.02	0.1	0.01	0.3	0.05	0.05	0,003	0.01	NS.	1	200	NS	500	NS.	Agreeable	200	NS	6.5-8.5	NS	Agreeable	30	+	5	250	75	200	100
PV L. C.	Absent	No relaxation	N5	NS	15	No relaxation	0.3	No relaxation	No relaxation	1,5	No relaxation	No relaxation	0.05	SN	5	600	NS	2000	SN	Agreeable	400	NS	No relaxation	SN	Agreeable	100	1,5	15	1000	200	600	7

श्रीनु पिड़ा व्यंप्ट, श्रीप प्रयोगशाला, ई & स्पूरी विचान विदुर्शनित उर्वरक & स्थापन लिमिटेड (वैश्वेत, श्रीवीष, क्षीवी क्षाविक व्यवसीत व्यवस्था ज्यों) वरीनी (विहार) 851115





TABLE -4

Location of Surface water Monitoring Stations

Sr. No.	Source	Parameters	Frequency
1.	Ganga River	As per (IS:10500)	Once in a Month
2.	Bihat Pokhar	As per (IS:10500)	Once in a Month
3.	Baya Nallah	As per (IS:10500)	Once in a Month



For, GO GREEN MECHANISMS PV !. L. ..

Authorized Signatory

श्रीनु पिडा प्रबंधक, केन्द्रीय प्रयोगशाला, ई & क्यूसी विभाग हिंदुस्तान उर्वरक & रसायन लिमिटेड (श्रेबंश, ब्र्वंबंश), श्टीतं, रबीवांश है (खानीय क क ब्यूक उस) बरीनी (बिहार) 851115



Head Office & Lab

SOGRE	L		A A A A A A A A A A A A A A A A A A A	ME	PVT.	TO.		100	0	OI.	700 700	00 7	100			0	1000	1941	rest.	11100	100		e de la constitución de la const	i de	9)	1000		an a		
	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	w	2	-	Sr No.
CHAI	Total Coliform MPI	Nitrate	Sodium As Na	Potassium As K	Zinc As Zn	Nickel as Ni	Manganese As Mn	Lead as Pb	Iron as Fe	Copper as Cu	Chromium as Cr	Cadmium as Cd	Arsenic as As	Dissolved Oxygen	Turbidity	Total Hardness	TSS	TDS	Temperature	Sulphate	PH	Oil & Grease	Magnesium as Mg	Fluoride	Colour	Chloride	Chemical Oxygen Demand (COD)	Calcium as Ca	BOD at 27°C for 3 days	Alkalinity as CaCO3	Parameters
5)	MPN per 100ml	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	1/6w	mg/L	mg/L	mg/L	NTU	mg/L	mg/L	mg/L	8	mg/L		mg/L	mg/L	mg/L	C)	mg/L	mg/L	mg/L	mg/L	mg/L	Unit
	30.00	2.62	11.07	4.26	BQL (QL=0.02)	BQL (QL=0.01)	BQL (QL≈0.05)	BQL (QL=0.005)	BQL (QL=0.05)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.002)	BQL (QL=0.005)	6.33	38.85	166.67	12.68	247,83	25.60	20,41	7.45	BQL (QL=1)	13.97	0.20	BQL (QL=2.5)	59.40	35.33	36,41	7.87	84.33	Ganga River
	29.67	4.45	75.66	20.22	BQL (QL=0.02)	BQL (QL=0.01)	BQL (QL=0.05)	BQL (QL=0.005)	BQL (QL=0.05)	BQL (QL=0.02)	BQL (QL=0.02)	BQL (QL=0.002)	BQL (QL=0.005)	6.50	3.78	276.33	13.67	566.50	25.75	17.73	7.44	BQL (QL=1)	24,46	0.63	BQL (QL=2.5)	138.04	26.00	70.40	6.42	235.67	Bihat Pokhar
DO ODERN MERILA	45	NS	SN	ы	0.02	0.1	0.01	0.3	0.05	0.05	0.003	0.01	SN	1	200	SN	500	SN	Agreeable	200	NS	6.5-8.5	NS	Agreeable	30	1	5	250	75	200	2
	No relaxation	NS	NS	15	No relaxation	0.3	No relaxation	No relaxation	1.5	No relaxation	No relaxation	0.05	SN	ıs	600	NS	2000	SN	Agreeable	400	SN	No relaxation	NS	Agreeable	100	1.5	15	1000	200	600	19

भीनु पिडा प्रमंपन अर्थेष प्रयोगधाल, इं & क्यूबी विभाग विदुक्तीय उर्वरक & स्थापन लिमिटेड विकास अर्थेस वर्षामांत्र के व्यक्तिक सम्बद्धा कर स्रोमी (बिहार) 851115

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Heed Office & Lab

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(B) lab@gogreenmechanisms.com

www.gogreenmecharisms.com

74	36.50	MPN per 100ml	Total Coliform	30
50	0.48	mg/L	Nitrate	29
	16.07	mg/L	Sodium As Na	28
	2.02	mg/L	Potassium As K	27
u	BQL (QL=0.02)	mg/L	Zinc As Zn	26
w	BQL (QL=0.01)	mg/L	Nickel as Ni	25
2	BQL (QL=0.05)	mg/L	Manganese As Mn	24
0.1	BQL (QL=0.005)	mg/L	Lead as Pb	23
u	BQL (QL=0.05)	mg/L	Iron as Fe	22
w	BQL (QL=0.02)	mg/L	Copper as Cu	21
2	BQL (QL=0.02)	mg/L	Chromium as Cr	20
2	BQL (QL=0.002)	mg/L	Cadmium as Cd	19
0.2	BQL (QL=0.005)	mg/L	Arsenic as As	18
	4.67	mg/L	Dissolved Oxygen	17
	0.10	ULN	Turbidity	16
1	190.17	mg/L	Total Hardness	15
100	14.50	∴ 1/bu	TSS	14
4	263.17	mg/L	TDS	13
100	26.20	8	Temperature	12
	22.10	mg/L	Sulphate	11
5.5 to 9.0	7.67		PH	10
10	BQL (QL=1)	mg/L	Oil & Grease	9
	18.55	mg/L	Magnesium as Mg	8
2	0.16	mg/L	Fluoride	7
-	BQL (QL=2.5)	CU CU	Colour	6
	34.07	mg/L	Chloride	5
250	38.00	mg/L	Chemical Oxygen Demand (COD)	4
	45.49	mg/L	Calcium as Ca	w
30	8.83	mg/L	BOD at 27°C for 3 days	2
i de	154.83	mg/L	Alkalinity as CaCO3	1
Morms	Baya Naliah	Unit	Parameters	Sr No.

For GO GREEN MECHANISMS PVT. L...

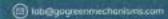
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प्रशानु पिष्ठा प्रबंधक, केन्द्रीय प्रयोगभाला, ई & क्यूसी विभाग सिंदुस्तान उर्वरक & रसायन लिमिटेड विश्वेश, क्येंग्रेस, क्येंग्रेस के क्यूब्रेस स स्कृतका बरोनी (बिह्नर) 851115



Head Office & Lab Dayal Estate, National Highway No. 8. Opp APMC Market Gate-1, Jetalpur, District-Ahmediabad-382426, Gujerat, INDIA.

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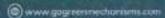


TABLE -5

Location of Flue Gas Monitoring Stations

Sr. No.	Source	Parameters	Frequency
1.	HRSG -01	PM, SOx, NOx & CO	Twice in a Month
2.	HRSG -02	PM, SOx, NOx & CO	Twice in a Month
3.	Primary Reformer	PM, SOx, NOx & CO	Twice in a Month
4.	UREA Prill Tower	PM, NH3	Twice in a Month

Month	Perameter	HRSG -01	HRSG -02	Primary Reformer	UREA Prill Town
	PM (mg/Nm³)	3.25	4.20	3.60	43.00
	Sox (ppm)	3.50	4.50	4.50	-
Oct-24	NOx (ppm)	63.00	59.00	30.50	
	CO (mg/Nm3)	14.30	14.35	25.40	2
	NH3 (mg/Nm ³)	-			60.00
	PM (mg/Nm ³)	3.50	4.00	3.70	41.65
	Sox (ppm)	3.50	3.00	3.50	-
Nov-24	NOx (ppm)	65.00	45.50	37.50	-
	CO (mg/Nm3)	18.90	20.60	27.50	-
	NH3 (mg/Nm³)	-	-		47.95
	PM (mg/Nm ³)	4.40	3.98	4.53	41.40
	Sox (ppm)	4.50	3.50	5.50	-
Dec-24	NOx (ppm)	76.00	70.50	40.00	-
	CO (mg/Nm3)	18.90	19.50	16.60	-
	NH3 (mg/Nm³)	-	-		46.90
	PM (mg/Nm ³)	4.20	4.75	3.65	47.40
	Sox (ppm)	5.00	4.00	3.50	-
Jan-25	NOx (ppm)	61.00	66.00	39.50	-
Jan-25	CO (mg/Nm3)	22.90	22.35	26,35	
	NH3 (mg/Nm³)		-		48.90
	PM (mg/Nm³)	4.10	4.85	3.95	40.35
	Sox (ppm)	2.50	3.00	3.50	-
Feb-25	NOx (ppm)	48.50	68.00	35.50	
	CO (mg/Nm3)	17.75	22.35	29.80	- 2
	NH3 (mg/Nm³)	1100000	-		46.80
	PM (mg/Nm3)	3.95	4.70	3.35	40.30
	Sox (ppm)	2.50	4.50	2.50	-
Mar-25	NOx (ppm)	41.00	56.50	36.50	
	CO (mg/Nm3)	14.30	21.75	25.20	-
	NH3 (mg/Nm³)			-	39.10
	PM (mg/Nm ³)	3.90	4.41	3.80	42.35
	Sox (ppm)	3.58	3.75	3.83	-
Average	NOx (ppm)	59.08	60.92	36.58	- 2
67	CO (mg/Nm3)	17.84	20.15	25.14	-
	NH3 (mg/Nm³)			For, GO GREEN MEChan	48.28

प्रबंधक केन्द्रिय प्रयोगमाला, ई & क्यूमी विभाग विदुक्तान उर्वरक & रसायन लिमिटेड तीवर्षण अर्थकोत् स्टोकी स्वर्धकोत है स्थानक का क बंकू का) बरोनी (बिहार) 851115

Authorized Signatory

बेगूसराय वन प्रमंडल, बेगूसराय अक्टूबर, 2024 के आधार पर उत्तरजीविता प्रतिवेदन HURL योजना

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11	Rt. win	(P)									
Y				व्यक्तिपुर प्रचार से सहेबपुरसमात सा (साथन सर्वत्र)		7	5000	3895	17,90		
1	triprint for			वितर्वे कार्यमान्यकाल से प्रोति हाता. (संकृत सार्वेट)	WARE TO	4	5500	4304	79.25		
3		wilinia	giffeton	पानी मीन्द्रे दाला सं प्रमेश तरार (योगी मार्ड्स)	2022-23	4	9300	8775	92.37		
4				(का गाईश) (का गाईश)		5	5000	4285	85.20		
Ħ			- 1	PI-L		26	25888	21259	83.64		

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प्रशान पिड़ा प्रवंधक, केन्द्रीय प्रयोगशाला, ई & क्यूसी विभाग हिंदुस्तान उर्वरक & स्सायन लिमिटेड डेक्के, क्षेत्रेक, लोके, क्ष्मेक्ट केक्क्रकेट के के क्र क्