



परिवेश  
PARIVESH  
(CPC GREEN)

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय

Ministry of Environment, Forest and Climate Change



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## View Half Yearly Compliance Report at Project Proponent

### Proposal Details

**Proposal No**

IA/UP/MIS/74694/2018

**Category**

INFRA-2

**Name of Project**

Development Of Greenfield Jewar International Airport Phase I & II, Gautam Budhh Nagar, Uttar Pradesh

**Plot / Survey/ Khasra No.****Village(s)****Sub-District(s)****State**

UTTAR PRADESH

**District**

GAUTAM BUDDHA NAGAR

**MoEF File No**

10-31/2018-IA-III

**Name of the Entity/****Corporate Office**

DIRECTORATE OF CIVIL AVIATION, GOVT. OF UP

**Entity's PAN**

\*\*\*\*\*EQUIRED

**Entity Name as per PAN**

DIRECTORATE OF CIVIL AVIATION, GOVT. OF UP

**Entity details mentioned above is correct ?**

Agree

## Covering Letter

### Covering Letter

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## Compliance Reporting Details

### Reporting Year

2025

### Reporting Period

01 Dec(01 Apr - 30 Sep)

### Remark(if any)

## Details of Production and Project Area

### Date of Commencement of Project/Activity

01-12-2025

	Project Area as per EC Granted(ha.)	Actual Project Area in Possession(ha.)
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	1334	1334
Total	1334	1334

### Land Documents

NA

Sr.No.	Name of the Product	Units	As per EC Granted	As per CTO Granted	CTO ID	Valid Up To	Production during last financial year
1	NOT APPLICABLE	Others:NOT APPLICABLE	NOT APPLICABLE			null	NOT APPLICABLE

## Conditions

### Specific Conditions



Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason and Supporting Documents	
1	MISCELLANEOUS	<p>1. As proposed, Environmental Clearance is for 'Development of Greenfield 'Jewar International Airport' Phase-I &amp; II, Gautam Buddha Nagar, Uttar Pradesh by M/s Directorate of Civil Aviation, Government of Uttar Pradesh</p> <p>2. The land acquisition/ purchase shall be in conformity to the LARR Act, 2013 and any other laws and regulations governing land acquisition</p> <p>3. Clearance from Directorate General of Civil Aviation (DGCA) and Airports Authority of India (AAI) for safety and project facilities shall be obtained</p> <p>4. Consent to Establish/ Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of</p>	PPs Submission	<p>1. EC granted for Phase I AND II development of Greenfield Jewar International Airport. 2. Land acquisition has been carried out in conformity with provisions of the LARR Act, 2013. (Refer Annexure 02). 3. Inspections are undergoing from DGCA/AAI for granting licenses. 4. Consent to Establish (CTE) obtained from UPPCB vide Ref. No. 203970/UPPCB/GreaterNoida/CTE dated 14.10.2024 with validity upto 05/08/2029 (Refer Annexure 13). 5. Completed. Conservation plan prepared in consultation with WII and submitted. (Refer Annexure 14) 6. Dust mitigation plan prepared and measures (sprinkling, covers, barricades) implemented at site. (Refer Annexure 15). 7. Operations yet to begin however the limits mentioned in EC shall be adhered. 8. Drainage plan with 2 oil-water separators under construction (Refer Annexure 16). 9. Same shall be adhered during operation phase. 10. Regular AAQ monitoring is conducted during construction. Consolidated report is enclosed (Refer Annexure 17). 11. Condition pertains to operational phase. Monitoring station is under development at Dayanatpur School. 12. Shall be adhered during operational phase. 13. Onsite DMP is prepared and enclosed as Annexure 18. 14. Topsoil preserved and reused for plantation/landscaping. Refer Annexure 19 15. Green cover development as per the guidance given. As per EC, 10 percent (133.3 HA against 1334 HA total area) development is mandated, however we are targeting 11.7percent. Plantation activities are ongoing but we have achieved mandatory 10percent(136 HA against 133.4 HA including undisturbed green cover) Many tree species are planted such as: Azadirachta Indica, Chukrasia Tabularis, Alstonia Scholaris, Melia Azedarach, Jacaranda Mimosifolia etc to avoid monocultural plantation. For details,</p>

Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974 5. Conservation plan for Birds and Fauna in consultation with Wildlife Institute of India (WII) shall be submitted within six months from grant of this clearance and shall be implemented in letter and spirit 6. Notification GSR 94(E) dated 25.01.2028 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities shall be complied with. 7. Total water requirement is estimated as 17267.5 KLD, while freshwater requirement will be 3040.8 KLD. The water for the project during operation and construction phase will be drawn from Jewar

refer Annexure-05. 16. Appropriate non-invasive, non-water-intensive species such as Azadirachta Indica, Chukrasia Tabularis, Alstonia Scholaris, Melia Azedarach, Jacaranda Mimosifolia etc considered. Please refer Annexure-05 17. Funds amounting to Rs. 2,63,95,718 (for compensatory afforestation) and tree felling charges have been transferred to the Forest Department (vide cheque nos. 275502 and 275503 dated 13.12.2019). Compensatory afforestation is being carried out as per the approved plan under Forest Department supervision. Total tree plantation done 121820 nos. 18. Currently, the operations have not begun, thus, our CSR budget is very minimal. Once the operations start, project under water conservation shall be undertaken as part of CSR. Refer Annexure 20 19. LED lighting adopted in design. Installation under. Refer Annexure 21 20. Solar Installation of 14.5 MW DC under installation. Airport Carbon Accreditation needs operational data, thus, will be undertaken post operations. 21. Incorporated in design and under implementation. Refer Annexure 22 22. Adopted measures include ISO certification, LC3 cement, Nanogence, IGBC certification, solar/smart lighting. is being done at the Airport. Refer Annexure 23. Implemented. CSR Policy and Committee formed and undertaken activities under CSR. Refer <https://niairport.in/wp-content/uploads/2023/11/Composition-of-Corporate-Social-Responsibility-Committee.pdf> 24. It will be applicable during operational phase, however, plan is prepared. Refer Annexure- 11 Complied 04-11-2025 Attachment: [Click to View](#)

tributary and  
Kasna STP  
located at  
Greater Noida.  
As proposed,  
no ground  
water shall be  
used in the  
project. 8.  
Aircraft  
maintenance,  
sensitivity of  
the location  
where activities  
are undertaken,  
and control of  
runoff of  
potential  
contaminants,  
chemicals etc.  
shall be  
properly  
implemented  
and reported.

9. Wastewater  
generated from  
the Airport will  
be treated in  
Sewage  
Treatment Plant  
of 12 MLD  
capacity.  
Treated  
wastewater will  
be used for  
landscaping  
and flushing.  
There will be  
zero discharge  
of treated  
wastewater  
from airport.

10. During  
construction  
and operational  
phase AAQ  
monitoring  
should include  
PM10, PM2.5,  
SO2, NOx, NH3,  
CO, CH4 and  
Benzene 11.  
During airport  
operation

period, noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations. A monitoring station for ambient air and noise levels shall be provided in the village nearest to the airport.

12. Traffic Management Plan as submitted shall be implemented in letter and spirit. Apart, a detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 5KM radius of the project is maintained and improved upon after the implementation of the project.

This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 5 KM radius of the site in different scenarios of space and time. Traffic management plan shall be duly validated and certified by the State Urban Development department and the PWD/competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

13. An onsite disaster management plan shall be drawn up to account for risks and accidents. This onsite plan shall be dovetailed with

the onsite management plan for the district. 14. Topsoil shall be separately stored and used in the development of green belt. 15. Green belt shall be developed in area as provided in project details, with native tree species in accordance with Forest Department. The greenbelt shall inter-alia cover the entire periphery of the Airport. Plantation activity should be taken up under the expert guidance for forest department of Government of Uttar Pradesh. As far as possible monocultural plantation should be avoided. 16. The plantation species in and around Airport site should be carefully chosen to avoid bird nesting and to improve pollution control and noise control measures. Water intensive

and/ or invasive species should not be used for landscaping.

17. The proposed 10 times compensatory plantation need to be monitored by the Government of Uttar Pradesh so that the target of planting 1,12,820 saplings is achieved in a time bound manner, their survival rate is monitored, and mortality is replenished. In case of non-survival of any transplanted tree, compensatory plantation in the ratio of 1:10 (i.e., planting of 10 trees for every 1 tree) shall also be done and maintained 18. A water security plan to the satisfaction of the CGWA shall be drawn up to include augmenting water supply and sanitation facilities and recharge of ground water in at least two villages and schools, as part

of the C.S.R activities. 19. Energy conservation measures like installation of LED should be integral part of the project design and should be in place before project commissioning. 20. Initiatives such as Green Infrastructure Development program, adoption of less emission intensive technologies, renewable energy program, electrical vehicles and Airport Carbon Accreditation need to be adopted to reduce its impact on climate change and Green House Gas (GHG) emissions as per environmental best practices governing Greenfield airports 21. Provision of Electro-mechanical doors for toilets meant for disabled passengers shall be ensured.



Children nursing/ feeding room shall be located conveniently near arrival and departure gates 22. The project proponent shall comply with the International Best Practices on environment management as applicable to the Airport project. 23. The company shall draw up and implement a Corporate Social Responsibility Plan as per the Company's Act of 2013. 24. As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 01.05.2018, and proposed by the project proponent, an amount of Rs.28.65 Crore for Phase I(as per development plan for phase 1) and Rs.17.7095 Crore for Phase II @0.5% of the project cost shall be earmarked under Corporate

	Environment Responsibility (CER) for the activities such as Health Related Facilities (Construction of toilets and water tank in community as part of Swachh Bharat Abhiyan, Construction of Health Centre, Refurbishment and maintenance of existing Health Centre Organizing Health camps, Organizing Special Health Camps for eye, heart and maternal health Mobile Health Clinic), Education Related Facilities (Refurbishment of existing schools, Strengthening of ITI at Jewar and Scholarship for student), Solid waste Management Facilities (Providing VATs for Municipal Solid Waste in villages, Developing MSW disposal site with management, Providing training for solid waste management			
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to villagers),  
Social Facilities  
(Installation of  
Hand-pumps,  
Repair and  
Maintenance of  
village roads  
@50 km/year  
and Providing  
solar light in  
village  
common areas)  
and  
Miscellaneous  
Facilities (Skill  
Development –  
basic training  
programmes  
and Creation of  
irrigation  
facilities for  
farmers. The  
activities  
proposed  
under CER shall  
be restricted to  
the affected  
area around  
the project. The  
entire activities  
proposed  
under the CER  
shall be treated  
as project and  
shall be  
monitored. The  
monitoring  
report shall be  
submitted to  
the regional  
office as a part  
of half yearly  
compliance  
report, and to  
the District  
Collector. It  
should be  
posted on the  
website of the  
project  
proponent.

## General Conditions

Sr.No.	Condition Heading	Condition Details	Status of Compliance,Remarks / Reason a	
1	AIR QUALITY MONITORING AND PRESERVATION	1. During construction and operational phase AAQ monitoring should include PM10, PM2.5, SO2, NOx, NH3, CO, CH4 and Benzene. 2. The project proponent shall install system to carry out Ambient Air Quality monitoring for common/ criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5, in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the airport area at least at four locations (one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions. 3. Soil and other construction materials should be sprayed with water prior to any loading, unloading or transfer operation so as to maintain the dusty material wet 4. The excavation working area should be sprayed with water after operation so as to maintain the entire surface wet 5. Excavated materials shall be handled and transported in a manner that they do not cause any problems of air pollution 6. The soil/ construction materials carried by the vehicle should be covered by impervious sheeting to ensure that the dusty materials do not leak from the vehicle.	PPs Submission	1. Regular AAQ mo Consolidated repor monitoring is curre including three nea downwind sides. (R station outside the under installation fc measures are imple and construction m loading/unloading/ included in the con Excavated working post-operation. All wet condition and p Annexure 15). 5. Exi handled and transp vehicles are covere emissions. (Refer Ar and construction m tarpaulin covering t Compliance is inclu Annexure 15). Complied 04-11-2025 Attachment: <a href="#">Click to</a>
2	Corporate Environmental Responsibility	1. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation	PPs Submission	1. Company has for Policy, duly approve SOPs for checks, ba policy ensures acco infringements/devi; wildlife norms. A cc Board Resolution is dedicated Environnn project levels. The C is headed by a Seni

of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stakeholders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report. 2. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization. 3. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report 4. Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

CEO of the Compar Implementation Ac approved. Year-wise protection have been account. 4. A syster been institutionaliz audit is scheduled a framework and acti was conducted in 2 39.2, 39.3 and 39.4) Complied 04-11-2025 Attachment: [Click t](#)

3	ENERGY PRESERVATION MEASURES	Energy conservation measures like installation of LED for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning	PPs Submission	Energy conservation measures for airports sustainable development across external areas. Installation of add-on devices (e.g., smart sensors, solar street lighting) operational prior to completion. Complied 04-11-2025 Attachment: <a href="#">Click to download</a>
4	Statutory compliance	1.The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water/ from the competent authority concerned in case of drawl of surface water required for the project. 2.A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained. 3.All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.	PPs Submission	1. Permissions for green belt have been obtained. Referral requisition of power distribution agency attached which is referred to the Department. (Refer UPFS/2025/163455, NAGAR/33866/DD-121882/ GBN/ GAU validity till 30-08-2025 (P557131) with valid applications under mandate Refer Annexure-05. Complied 04-11-2025 Attachment: <a href="#">Click to download</a>
5	GREENBELT	1. Green belt shall be developed in area as provided in project details, with native tree species in accordance with the Forest Department. The greenbelt shall inter alia cover the entire periphery of the Airport. 2. Topsoil shall be separately sorted and used in the development of green belt.	PPs Submission	1. Green cover development as per EC, 10percent (11.7percent). Plantation achieved mandatorily including undisturbed area planted such as: Azadirachta indica, Alstonia Scholaris, etc to avoid monoculture. Annexure-05. 2. Topsoil plantation/landscape development. Complied 04-11-2025 Attachment: <a href="#">Click to download</a>

6	Human Health Environment	<p>1. Construction site should be adequately barricaded before the construction begins 2. Traffic congestion near the entry and exit points from the roads adjoining the airport shall be avoided. Parking should be fully internalized, and no public space should be utilized 3. Provision of Electro-mechanical doors for toilets meant for disabled passengers. Children nursing/feeding room to be located conveniently near arrival and departure gates. 4. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented. 5. Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. 6. An onsite disaster management plan shall be drawn up to account for risks and accidents. This onsite plan shall be dovetailed with the onsite management plan for the district. 7. Occupational health surveillance of the workers shall be done on a regular basis</p>	PPs Submission	<p>1. Adequate barrica carried out as per r unauthorized entry is attached. (Refer / phase, traffic move measures in place t the site. 3. These re terminal building d progress. Layout dr attached. (Refer An Emergency Prepare Management Plan ( prepared and imple attached. (Refer An accommodation for within the project p drinking water, sani facilities, creche, an Documentation att: Disaster Managem risks and accidents operational phase, District Disaster Ma submitted. (Refer A Occupational Healt implemented, cove records, and onsite and labour colony. Complied 04-11-2025 Attachment: <a href="#">Click t</a></p>
7	PUBLIC HEARING	<p>1. Construction site should be adequately barricaded before the construction begins 2. Traffic congestion near the entry and exit points from the roads adjoining the airport shall be avoided. Parking should be fully internalized, and no public space should be utilized 3. Provision of Electro-mechanical doors for toilets meant for disabled passengers. Children nursing/feeding room to be located conveniently near arrival and</p>	PPs Submission	<p>1. Adequate barrica carried out as per r unauthorized entry is attached. (Refer / phase, traffic move measures in place t the site. 3. These re terminal building d progress. Layout dr attached. (Refer An Emergency Prepare Management Plan ( prepared and imple</p>

		<p>departure gates. 4. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented. 5. Provision shall be made for the housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project. 6. An onsite disaster management plan shall be drawn up to account for risks and accidents. This onsite plan shall be dovetailed with the onsite management plan for the district. 7. Occupational health surveillance of the workers shall be done on a regular basis</p>		<p>attached. (Refer An accommodation for within the project for drinking water, sanitary facilities, creche, and Documentation attached: Disaster Management risks and accidents operational phase, District Disaster Management submitted. (Refer A Occupational Health implemented, cover records, and onsite and labour colony. Complied 04-11-2025 Attachment: <a href="#">Click to</a></p>
8	WATER QUALITY MONITORING AND PRESERVATION	<p>1. Aircraft maintenance, sensitivity of the location where activities are undertaken, and control of runoff of potential contaminants, chemicals etc. shall be properly implemented and reported. 2. Run off from chemicals and other contaminants from aircraft maintenance and other areas within the airport shall be suitably contained and treated before disposal. A spillage and contaminant plan shall be drawn up and implemented to the satisfaction of the State Pollution Control Board 3. Proper drainage systems, emergency containment in the event of a major spill during monsoon season etc. shall be provided. 4. The runoff from paved structures like Runways, Taxiways, can be routed through drains to oil separation tanks and sedimentation basins before being discharged into rainwater harvesting structures 5. Storm water drains are to be built for</p>	PPs Submission	<p>1. Drainage plan with construction (Refer Containment Management Implementation will A drainage network contain any spills. The regulatory requirement oil-water separation runway/taxiway runoff plan. De-silting chamber rainwater harvesting progress. 5. Dedicated construction for the flooding/waterlogging wastewater network Harvesting Structure constructed as per (de-silting chamber shall not exceed approximately 5 borewell already ok (Annexure 24). 8. Complete prior to airport operation comprehensive Storm prepared and construction portions will be implemented (Refer Annexure 16 withdrawal (5 borewell 24. 11. Currently, the</p>



		<p>discharging storm water from the airfield to avoid flooding/ waterlogging in project area. Domestic and industrial wastewater shall not be allowed to be discharged into storm water drains 6. Rainwater harvesting for roof run-off and surface run-off, as plan submitted should be implemented. Rainwater harvesting structures shall conform to CGWA designs. Before recharging the surface run-off, pre-treatment must be done to remove suspended matter, oil and grease 7. Total freshwater use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of freshwater 8. A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/ drainage systems along with the final disposal point should be obtained. 9. A detailed drainage plan for rainwater shall be drawn up and implemented 10. No ground water shall be extracted without prior permission from CGWA 11. A water security plan to the satisfaction of the CGWA shall be drawn up to include augmenting water supply and sanitation facilities and recharge of ground water in at least two villages and schools, as part of the C.S.R activities</p>		<p>CSR budget is very project under water of CSR. Refer Annex Complied 04-11-2025 Attachment: <a href="#">Click to download</a></p>
9	Noise Monitoring & Prevention	<p>1. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report 2. Noise from vehicles and power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly</p>	PPs Submission	<p>1. For the construct being conducted in guidelines. Results , Environmental Monitoring Monthly Compliance inspection checklist Machinery (P and M deployed only after and fitness certificate muffler upkeep and Annexure 28). 3. All</p>

		<p>served. Attention should also be given to muffler maintenance and enclosure of noisy equipment 3. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources 4. During airport operation period, noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations. A monitoring station for ambient air and noise levels shall be provided in the village nearest to the airport. 5. Where construction activity is likely to cause noise nuisance to nearby residents, restrict operation hours between 7 am to 6 pm. 6.</p>		<p>enclosures. Noise b applicable in the cc distributed to work monitored by the H condition will be cc monitoring station construction in the Environmental Mor monitored and com Complied 04-11-2025 Attachment: <a href="#">Click t</a></p>
10	MISCELLANEOUS	<p>1. 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 (N) of the District or State, of which one shall be in the vernacular language within seven days. In addition, this shall also be displayed in the project proponent's website (W) permanently 2. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt 3. The project proponent shall upload the status of compliance of the</p>	PPs Submission	<p>1. Environmental Clearance the COVID 19 pandemic, th published in media on 30th newspaper) and 18th Decer The articles were published <a href="https://economictimes.india/aviation/formal%20process%20of%20security%20clearances%20yamuna">https://economictimes.india / aviation/formal process of security clearances yamuna</a> Indian Express e newspaper <a href="https://indianexpress.com/aviation/key-features-710982/">https://indianexpress.com/aviation key features 710982</a> concerned local bodies, Par Annexure 40). 3. Half yearly monitored environmental d website. <a href="https://niaairport.in/monthly-compliance-report-the-PARIVESH-Portal">https://niaairport.in/ monthly compliance report the PARIVESH Portal</a>. 5. Env 2024-25 has been submitte website. Refer Annexure 41 compliance/ 6. Ambient air near the entry gate of the p done on 10th August 2021. is complying with stipulatio Government. 9. Project Proj commitments made in EIA/ presentation. Refer Annexu</p>

stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis. 4. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal 5. The project proponent shall submit the environmental statement for each financial year in Form-V 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 6. The criteria pollutant levels namely; PM10, PM2.5, SO2, NOx (ambient levels) shall be monitored and displayed at a convenient location near the main gate of the company in the public domain 7. The project proponent 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, commencing the land development work and start of production operation by the project 8. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government 9. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that made during their presentation to the Expert Appraisal Committee. 10. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of

-15. Agrees to the condition provisions of NGT Act.  
Complied  
04-11-2025  
Attachment: [Click to View](#)

PPs  
Submission

1. Environmental Clearance the COVID 19 pandemic, the published in media on 30th newspaper) and 18th Decer The articles were published https://economictimes.india / aviation/formal process of security clearances yamuna Indian Express e newspaper https://indianexpress.com/a airport key features 710982 concerned local bodies, Par Annexure 40). 3. Half yearly monitored environmental d website. https://niairport.in/ monthly compliance report the PARIVESH Portal. 5. Env 2024-25 has been submitted website. Refer Annexure 41 compliance/ 6. Ambient air near the entry gate of the p done on 10th August 2021. is complying with stipulation Government. 9. Project Pro commitments made in EIA/ presentation. Refer Annexu -15. Agrees to the condition provisions of NGT Act.  
Complied  
04-11-2025  
Attachment: [Click to View](#)

Environment, Forests and Climate Change (MoEF&CC). 11. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986. 12. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory 13. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. 14. The Regional Office of this Ministry 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 15. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary 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/ NGT and any other Court of Law relating to the subject matter 16. Any appeal against this EC 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

11	WASTE MANAGEMENT	<p>2. Notification GSR 94(E) dated 25.01.2018 of MoEF&amp;CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities shall be complied with</p> <p>3. Soil stockpile shall be managed in such a manner that dust emission and sediment runoff are minimized. Ensure that soil stockpiles are designed with no slope greater than 2:1 (horizontal/ vertical)</p> <p>4. The project activity shall conform to the Fly Ash notification issued under the E.P. Act of 1986</p> <p>5. Solid inert waste found on construction sites consists of building rubble, demolition material, concrete, bricks, timber, plastic, glass, metals, bitumen etc. shall be reused/ recycled or disposed off as per Solid Waste Management Rules, 2016 and Construction and Demolition Waste Rules, 2016</p> <p>6. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Rules, 2016</p> <p>7. The project proponents shall implement a management plan duly approved by the State Pollution Control Board and obtain its permissions for the safe handling and disposal of:</p> <p>a. Trash collected in flight and disposed at the airport including segregation, collection and disposed.</p> <p>b. Toilet wastes and sewage collected from aircrafts and disposed at the Airport.</p> <p>c. Wastes arising out of maintenance and workshops.</p> <p>d. Wastes arising out of eateries and shops situated inside the airport complex.</p> <p>e. Hazardous and other wastes</p> <p>8. The solid wastes shall be segregated as per the norms of the Solid Waste Management Rules, 2016.</p> <p>Recycling of wastes such as</p>	PPs Submission	<p>2. Dust mitigation measures (covers, barricades)</p> <p>3. Topsoil and excavated material with adequate measures for covering, and silt fence</p> <p>Stockpiles are managed as per guidelines. (Refer Appendix A construction works and mix design requirements records and utilization)</p> <p>5. C and D Wastes as per SWM Rules, 2016 and Segregation, reuse and disposal through authorized agencies (Refer Annexure 30)</p> <p>demolition activities shall be disposed of in line with Rules, 2016. The PC to C and D Waste Recycling Pvt Ltd for disposal currently in the contract and Hazardous Waste management plan for trash, toilet waste, sewage, commercial/eatery preparation. The segregation of construction waste shall be carried out in line with phase, a detailed SWM plan for streams (paper, glass, oil/solvents, etc.) has been submitted to the Management Facility at Sumeet Facilities in phase 1</p> <p>Solid Waste Management facilities for handling has been obtained. CFLs and TFLs are not required. Lighting has been arranged for airport operation and disposed of as per norms. Complied</p> <p>04-11-2025</p> <p>Attachment: <a href="#">Click to download</a></p>
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paper, glass (produced from terminals and aircraft caterers), metal (at aircraft maintenance site), plastics (from aircrafts, terminals and offices), wood, waste oil and solvents (from maintenance and engineering operations), kitchen wastes and vegetable oils (from caterers) shall be carried out. Solid wastes shall be disposed in accordance to the Solid Waste Management Rules, 2016 as amended 9. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W generated from project 10. Used CFLs and TFLs should be properly collected and disposed of/ sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination

### Document uploaded by the PP

**Last Site Visit Report (if available)**

NA

**Last Site Visit Report Date (if available)**

**Additional Attachment (if any)**

[Click to View](#)

**Additional Remarks (if any)**

- ☒ I 'DIRECTORATE OF CIVIL AVIATION, GOVT. OF UP' hereby give undertaking that the data and information given in the filed compliance and enclosures are true to be best of my knowledge and belief and I am aware that if any part of the data and information found to be false or misleading at any stage, the clearance given to the project will be revoked at our risk and cost. In addition to above, I hereby give undertaking that no activity such as change in project layout, construction, expansion, etc. has been taken up without due approval.

### Cover Letter From RO/SRO

**Cover Letter From RO/SRO**

[Back](#)

# POST EC BASELINE ENVIRONMENTAL MONITORING REPORT

**M/S. YAMUNA INTERNATIONAL AIRPORT PRIVATE LIMITED**  
**Administrative Office, Noida International Airport, Kishorepur,**  
**Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**

**APRIL 2025**



**Submitted By:**

**GRC INDIA TRAINING & ANALYTICAL LABORATORY,**  
**(A Unit of GRC India Private Limited)**

**NABL Accredited & MoEF&CC Recognized Laboratory**

**F-375, Sector-63, Noida, U.P.**

**Ph.: 0120- 4044630, Telefax: 0120- 2406519**

**Email: [lab@grc-india.com](mailto:lab@grc-india.com)**

**Website: <http://www.grc-india.com>**



**April 2025**

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# **ANNEXURE-I**

## **(TEST REPORTS)**



# GRC INDIA TRAINING & ANALYTICAL LABORATORY

(A unit of Grass Roots Research & Creation India (P) Ltd.)

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 (OH&S) Certified

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Head Office: F-375, Sector-63, Noida, Gautam Budh Nagar, U.P. - 201301

Phone No.: 0120 - 4044630, 4044660; Fax: 0120 - 2406519, 0120 - 4044675

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## Test Report

Report Code: A20250414-001-01

Issue Date: 14.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 09.04.2025 to 12.04.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/APR/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	08.04.2025	90.2	56.3	9.7	19.6	240	<0.1	<1.0	<1.0

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

Analyzed By  
(Chemist)

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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### Test Report

**Report Code: A20250414-001-01**

**Issue Date: 14.04.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Analysis Duration:** 10.04.2025 to 12.04.2025

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/APR/A001

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	08.04.2025	<1.0

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

Analyzed By  
(Chemist)



GRC-LAB/QF-039

Rev:00

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## Test Report

Report Code: A20250414-001-02

Issue Date: 14.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 09.04.2025 to 12.04.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near Project Site Batching Plant
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/APR/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m³
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	08.04.2025	96.7	58.1	10.9	29.4	270	<0.1	<1.0	<1.0

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

Analyzed By  
(Chemist)

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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Issue Date: 02.07.2019



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### Test Report

**Report Code: A20250414-001-02**

**Issue Date: 14.04.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Analysis Duration:** 10.04.2025 to 12.04.2025

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	: Near Project Site Batching Plant
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/APR/A001

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	08.04.2025	<1.0

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

Analyzed By  
(Chemist)

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: A20250502-002-01

Issue Date: 02.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 29.04.2025 to 01.05.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/APR/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	28.04.2025	89.7	57.2	9.5	26.4	260	<0.1	<1.0	<1.0

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

Analyzed By  
(Chemist)

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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## Test Report

**Report Code: A20250502-002-01**

**Issue Date: 02.05.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Analysis Duration:** 29.04.2025 to 01.05.2025

**Sample Description:** Ambient Air

### SAMPLING DETAILS

**Sampling Location** : Near NIA Office-Project Site  
**Sample Collected by** : Mr. Sonu Sen  
**Sampling Protocol** : GRC/LAB/STP/AIR/01: 2018  
**Weather Condition** : Clear Sky  
**Sampling Duration** : 4 Hours  
**Sampler Installation Height** : 4.0 Meter above Ground Level  
**Sample Packing & Marking** : Plastic Bottle/ Zip Polybag & NIA/APR/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	28.04.2025	<1.0

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

Analyzed By  
(Chemist)

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
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## Test Report

Report Code: A20250502-002-02

Issue Date: 02.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 29.04.2025 to 01.05.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Village Dayanatpur
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/APR/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	28.04.2025	72.3	33.5	5.6	18.9	210	<0.1	<1.0	<1.0

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

Analyzed By  
(Chemist)

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(Sr. Chemist)  
Authorized Signatory  
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Website: <https://www.grc-india.com>; E-mail: [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com)

## Test Report

Report Code: A20250502-002-02

Issue Date: 02.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 29.04.2025 to 01.05.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Village- Dayanatpur
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/APR/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	28.04.2025	<1.0

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

Analyzed By  
(Chemist)



GRC-LAB/QF-039

Rev.:00

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4. The MU will be reported in the test report only on the request of customer.  
5. The samples received for chemical testing shall be destroyed after 07 days from the date of issue of the report unless specified otherwise.



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## Test Report

Report Code: N20250411-001

Issue Date: 11.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on : 10.04.2025

Sample Description: Ambient Noise

### RESULTS

(Ambient Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring : 08.04.2025  
Monitoring Done by : Mr. Sonu Sen  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Weather Condition : Clear Sky  
Monitoring Duration : 24 Hours

S. No.	Location		Zone	Noise Levels, Leq, dB (A)		Observed Noise Levels, Leq, dB (A)	
				Day Time*	Night Time**	Day Time*	Night Time**
1	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}						
	Near NIA Office-Project Site		Airport Area	70	65	57.0	49.5
2	Prescribed Limit {As per Noise Pollution (Regulation & Control) Rules, 2000}						
	Near Project Site Batching Plant		Airport Area	70	65	59.8	49.1
* Day Time		6.00 AM to 10.00 PM					
**Night Time		10.00 PM to 6.00 AM					

Note: The detailed Noise monitoring data is enclosed as Annexure-2

\*\*End of Report\*\*

Monitored By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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4. The MU will be reported in the test report only on the request of customer.  
5. The samples received for chemical testing shall be destroyed after 30 days from the date of issue of the report unless specified otherwise and samples for biological testing will be destroyed after 7 days of issue of test report.

Issue Date: 02.07.2018



GRC India

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## ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Location: NIA Office- Project Site

Sample Description: Ambient Noise

Monitoring Data Received On: 10.04.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	47.6	46.3	48.9	49.7	50.6	59.6	60.5	63.4	65.3	64.5	58.9	57.8	57.4	58.4	52.6	52.9
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	47.6	52.7	62.3	64.7	65.2	60.6	62.8									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	49.2	48.6	47.3	47.2	47.8	46.5	49.6	54.3								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	38.9	39.5	46.1	48.6	52.4	43.7	42.4									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>night</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	60.6	43.7	65.2	38.9	62.3	46.1										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)



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## ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-201315.

Monitoring Location: Near Project Site Batching Plant

Sample Description: Ambient Noise

Monitoring Data Received On: 10.04.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	43.9	46.8	57.6	58.9	59.6	61.7	67.7	64.7	65.7	59.2	58.5	58.6	53.2	52.6	52.3	51.4
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	51.4	53.6	65.4	68.7	70.2	63.1	64.0									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	49.9	49.8	47.6	46.5	47.5	48.6	49.7	51.3								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	42.5	42.8	45.2	47.5	47.8	44.8	44.3									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>night</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	63.1	44.8	70.2	42.5	65.4	45.2										

Navinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)



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## Test Report

Report Code: N20250501-002

Issue Date: 01.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on: 30.04.2025

Sample Description: Ambient Noise

### RESULTS

(Ambient Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring : 28.04.2025  
Monitoring Done by : Mr. Sonu Sen  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Weather Condition : Clear Sky  
Monitoring Duration : 24 Hours

S. No.	Location		Zone	Noise Levels, Leq, dB (A)		Observed Noise Levels, Leq, dB (A)	
				Day Time*	Night Time**	Day Time*	Night Time**
1	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}						
	Near NIA Office-Project Site		Airport Area	70	65	62.9	53.5
2	Village Dayanatpur		Residential area	55	45	43.6	37.1
* Day Time		6.00 AM to 10.00 PM					
**Night Time		10.00 PM to 6.00 AM					

Note: The detailed Noise monitoring data is enclosed as Annexure-1

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

Monitored By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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**GRC India**

## **ANNEXURE-1**

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Location: NIA Office- Project Site

Sample Description: Ambient Noise

Monitoring Data Received On: 30.04.2025

### **Computation Data- Ambient Noise**

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	47															
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	45.1	47.4	66.5	71.8	72.5	59.8	61.6									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
	57.7	56.5	54.3	51.2	49.3	48.7	48.6	51.3								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Noise Measurement (dB)	40.5	41.1	43.2	44.9	46.2	42.9	42.4									
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	40.5	41.1	43.2	44.9	46.2	42.9	42.4									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>night</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	59.8	42.9	72.5	40.5	66.5	43.2										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)



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**GRC India**

**ANNEXURE-1**

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Location: Village Dayanapur

Sample Description: Ambient Noise

Monitoring Data Received On: 30.04.2025

**Computation Data- Ambient Noise**

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	39.6	41.3	42.7	42.8	43.7	44.5	45.8	45.5	44.3	41.3	41.6	48.3	44.3	42.5	39.9	37.5
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Night Time (10:00 Pm to 6:00 Am)	39.9	45.6	52.7	56.2	56.7	51.1	51.5									
	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	37.5	36.5	35.5	35.7	36.3	35.3	38.8	39.7								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Noise Measurement Results for 24 Hrs.	35.3	35.7	38.0	40.0	40.3	37.7	37.4									
	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	51.1	37.7	56.7	35.3	52.7	38.0										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)



GRC India

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## Test Report

Report Code: SN20250411-001

Issue Date: 11.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on : 10.04.2025

Sample Description: DG Noise

### RESULTS

(DG Set Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring	: 08.04.2025
DG Set Installation Location	: DC Plant-Project Site
Monitoring Done by	: Mr. Sonu Sen
Monitoring Protocol	: IS 4758: 1968, RA 2017
Weather Condition	: Clear Sky
Monitoring Duration	: 15 Minutes
DG Set Capacity	: 380 KVA
DG Set Make, Model & Type	: Jakson, JSP-380Q
Acoustic Enclosure Installed	: Yes

S. No.	Parameter	Unit	Result	Permissible Limit {As per Noise Limit for Generator set run with Diesel Notification, GSR-371(E), 2002, Amend. 2011}
1	Sound Pressure Level	dB(A)	65.5	Max. 75

Note: Monitoring has been done from 01 meter away from the acoustic enclosure surface of the DG Set.

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

Monitored By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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## Test Report

Report Code: DW20250423-001(A)

Issue Date: 23.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 09.04.2025

Analysis Duration: 10.04.2025 to 22.04.2025

Sample Description: Drinking Water

### RESULTS (Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 09.04.2025
Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-1): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/APR/DW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	<1.0	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	7.02	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	122	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	56.8	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	27.5	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	25.5	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	0.37	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	13	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	5.4	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	17.1	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.29	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021
16.	Iron (as Fe)	mg/l	0.3	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)

Analyzed By  
(Chemist)

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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## Test Report

Report Code: DW20250423-001(A)

Issue Date: 23.04.2025

17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68): 2019, RA 2023
36.	Electrical Conductivity	µS/cm	---	---	185	IS 3025 (Part-14): 2013, RA 2023

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

Analyzed By  
(Chemist)

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-049

Rev.:00

Issue Date: 02.07.2018

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## Test Report

Report Code: DW20250414-001(B)

Issue Date: 14.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 09.04.2025

Analysis Duration: 10.04.2025 to 13.04.2025

Sample Description: Drinking Water

### RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 09.04.2025
Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-25): 2022
Weather Condition	: Clear Sky
Sample Quantity	: 0.4 Liter
Sample Packing & Marking	: Sterile Glass Bottle & NIA/APR/DW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)	Results	Test Method
1.	Total Coliform	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Absent)	IS 1622: 1981, RA 2019

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

Analyzed By  
(Microbiologist)

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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## Test Report

Report Code: GW20250423-001(A)

Issue Date: 23.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 09.04.2025  
Analysis Duration: 10.04.2025 to 22.04.2025

Sample Description: Ground Water

## RESULTS (Water Quality Analysis)

### SAMPLING DETAILS

Date of Sampling	: 09.04.2025
Sampling Location	: Near PTB- Project site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-1): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/APR/GW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	5	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	7.67	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	2617	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	521	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	533	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	465	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	1.3	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	120	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	52.8	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	802	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	9.1	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (asCl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021

Analyzed By  
(Chemist)

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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## Test Report

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Issue Date: 23.04.2025

16.	Iron (as Fe)	mg/l	0.3	No Relaxation	0.22	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	0.07	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24th Ed., 3120-B: 2023 (ICP-OES VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24th Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68): 2019, RA 2023
36.	Electrical Conductivity	µS/cm	---	---	3965	IS 3025 (Part-14): 2013, RA 2023

\*\*End of Report\*\*

Analyzed By  
(Chemist)

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: GW20250414-001(B)

Issue Date: 14.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 09.04.2025

Analysis Duration: 10.04.2025 to 13.04.2025

Sample Description: Ground Water

### RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 09.04.2025
Sampling Location	: Near PTB- Project site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-25): 2022
Weather Condition	: Clear Sky
Sample Quantity	: 0.4 Liter
Sample Packing & Marking	: Sterile Glass Bottle & NIA/APR/GW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)	Results	Test Method
1.	Total Coliform	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Absent)	IS 1622: 1981, RA 2019

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

Analyzed By  
(Microbiologist)

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: WW20250423-001(A)

Issue Date: 23.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
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Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 09.04.2025

Analysis Duration: 10.04.2025 to 22.04.2025

Sample Description: Waste Water- STP Outlet

### RESULTS

(Waste Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 09.04.2025
Sampling Location	: STP Outlet -Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-10): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/APR/WW-01

S. No.	Parameters	Units	Results	Requirements as per Gazette No. 843: 2017	Test Method
				Permissible Limit	
1.	pH Value	-	8.08	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids (TSS)	mg/l	15.0	Max. 50	IS 3025 (Part-17): 2022
3.	Biochemical Oxygen Demand (BOD) for 3 Days at 27°C	mg/l	9.0	Max. 20	IS 3025 (Part-44): 2023
4.	Chemical Oxygen Demand (COD)	mg/l	22.0	--	IS 3025 (Part-58): 2023
5.	Specific Conductivity	µS/cm	3432	--	IS 3025 (Part-14):2013,RA 2023
6.	Calcium (as Ca <sup>2+</sup> )	mg/l	85.0	--	IS 3025 (Part-40): 2024
7.	Magnesium (as Mg <sup>2+</sup> )	mg/l	62.0	--	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
8.	Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/l	1.0	--	IS 3025 (Part-34/Sec-1): 2023
9.	Total Kjeldal Nitrogen (as N)	mg/l	1.5	--	IS 3025 (Part-34/Sec-1): 2023
10.	Oil & Grease	mg/l	<4	--	IS 3025 (Part-39): 2021
11.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	<0.1	--	IS 3025 (Part-26): 20212
12.	Sulphide (as S)	mg/l	0.1	--	IS 3025 (Part-29): 2022
13.	Sodium (as Na)	mg/l	405.0	--	IS 3025 (Part-45): 2024
14.	Potassium (as K)	mg/l	41.0	--	IS 3025 (Part-45): 2024
15.	Cyanide (as CN)	mg/l	<0.01	--	IS 3025 (Part-27/Sec-1): 2021

Analyzed By  
(Chemist)

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: WW20250423-001(A)

Issue Date: 23.04.2025

16.	Lead (as Pb)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
17.	Total Chromium (as Cr)	mg/l	<0.1	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Copper (as Cu)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Zinc (as Zn)	mg/l	0.50	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Nickel (as Ni)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Arsenic (as As)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
23.	Mercury (as Hg)	mg/l	<0.001	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24.	Cadmium (as Cd)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Selenium (as Se)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
26.	Iron (as Fe)	mg/l	0.36	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
27.	Manganese (as Mn)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Aluminum (as Al)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Barium (as Ba)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)

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

Analyzed By  
(Chemist)

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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## Test Report

Report Code: WW20250414-001(B)

Issue Date: 14.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 09.04.2025

Analysis Duration: 10.04.2025 to 13.04.2025

Sample Description: Waste Water- STP Outlet

### RESULTS

(Waste Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 09.04.2025
Sampling Location	: STP Outlet -Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-25): 2022
Weather Condition	: Clear Sky
Sample Quantity	: 0.4 Liter
Sample Packing & Marking	: Sterile Glass Bottle & NIA/APR/WW-01

S. No.	Parameters	Units	Permissible Limit as per Gazette No. 843: 2017	Results	Test Method
1.	Total Coliform	MPN/100ml	--	1600	APHA 24th Edition 9221-B: 2023
2.	Fecal Coliform	MPN/100ml	Max. 1000	900	APHA 24th Edition 9221-E: 2023

\*\*End of Report\*\*

Analyzed By  
(Microbiologist)

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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### Test Report

Report Code: S20250423-001

Issue Date: 23.04.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 09.04.2025

Analysis Duration: 10.04.2025 to 22.04.2025

Sample Description: Soil Sample

### RESULTS

(Soil Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 09.04.2025
Sampling Location	: Road No. 3 Near PTB
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/01: 2018
Weather Condition	: Clear Sky
Sample Quantity	: 2 Kg (Composite sample)
Sample Packing & Marking	: Zip Polybag & NIA/APR/SQ-01

S. No.	Parameters	Units	Results	Test Method
1.	Texture	-	Sandy Loam	GRC-LAB/STP-SOIL/22; 2018
2.	Particle Size Distribution	-	--	IS 2720 (Part-4): 1985, RA 2020
	Sand	%	65.1	
	Silt	%	15.8	
	Clay	%	19.1	
3.	pH (1:2 Suspension)	-	7.64	IS 2720 (Part-26): 1987, RA 2021
4.	Electrical Conductivity (1:2 Suspension)	µS/cm	523	IS 14767: 2000, RA 2021
5.	Available Potassium (as K)	mg/kg	61.2	GRC-LAB/STP-SOIL/07; 2018
6.	Chloride (as Cl)	mg/kg	274.4	GRC-LAB/STP-SOIL/14; 2018
7.	Total Kjeldahl Nitrogen (as N)	mg/kg	42.5	IS 14684: 1999, RA 2019
8.	Exchangeable Phosphorus (as P)	mg/kg	6.1	USEPA Method 365.3: 1978
9.	Iron (as Fe)	mg/kg	11.6	USEPA Method 3051-A (Rev.-01): 2007
10.	Zinc (as Zn)	mg/kg	2.8	USEPA Method 3051-A (Rev.-01): 2007

Analyzed By  
(Chemist)

Narendra Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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Issue Date: 02.07.2018



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## Test Report

Report Code: S20250423-001

Issue Date: 23.04.2025

11.	Nickel (as Ni)	mg/kg	0.8	USEPA Method 3051-A (Rev.-01): 2007
12.	Manganese (as Mn)	mg/kg	2.8	USEPA Method 3051-A (Rev.-01): 2007
13.	Cobalt (as Co)	mg/kg	0.5	USEPA Method 3051-A (Rev.-01): 2007
14.	Lead (as Pb)	mg/kg	<0.1	USEPA Method 3051-A (Rev.-01): 2007
15.	Copper (as Cu)	mg/kg	1.3	USEPA Method 3051-A (Rev.-01): 2007
16.	Arsenic (as As)	mg/kg	0.4	USEPA Method 3051-A (Rev.-01): 2007
17.	Molybdenum (as Mo)	mg/kg	0.3	3050-B, PP 1-12, USEPA, 2nd Rev.: 1996
18.	Mercury (as Hg)	mg/kg	0.2	USEPA Method 3051-A (Rev.-01): 2007
19.	Total Chromium (as Cr+3)	mg/kg	0.2	USEPA Method 3051-A (Rev.-01): 2007
20.	Organic Carbon	%	0.67	IS 2720 (Part-22): 1972
21.	Bulk Density	gm/cm <sup>3</sup>	1.32	GRC-LAB/STP-SOIL/12; 2018
22.	Cation Exchange Capacity	meq/100gm	10.3	IS 2720 (Part-24): 1976, RA 2020
23.	Exchangeable Sodium (as Na)	mg/kg	186	GRC-LAB/STP-SOIL/; 2018
24.	Exchangeable Calcium (as Ca)	mg/kg	1932	GRC-LAB/STP-SOIL/08, Issue no. 02, issue Date: 02.07.2018: 2018
25.	Exchangeable Magnesium (as Mg)	mg/kg	282	GRC-LAB/STP-SOIL/08, Issue no. 02, issue Date: 02.07.2018: 2018
26.	Sodium Absorption Ratio	meq/kg	1.04	GRC-LAB/STP-SOIL/19, Issue no. 02, issue Date: 02.07.2018: 2018
27.	Selenium (as Se)	mg/kg	<0.1	USEPA Method 3051-A (Rev.-01): 2007
28.	Moisture	%	9.2	IS 2720 (Part-2): 1973, RA 2020
29.	Aluminum (as Al)	mg/kg	0.6	USEPA Method 3051-A (Rev.-01): 2007
30.	Organic Matter	%	0.97	IS 2720 (Part-22): 1972, RA 2020
31.	Manganese (as Mn)	mg/kg	3.6	USEPA Method 3051-A (Rev.-01): 2007

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

Analyzed By  
(Chemist)

Narendra Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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# POST EC BASELINE ENVIRONMENTAL MONITORING REPORT

**M/S. YAMUNA INTERNATIONAL AIRPORT PRIVATE LIMITED**  
**Administrative Office, Noida International Airport, Kishorepur,**  
**Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**

**MAY 2025**



**Submitted By:**

**GRC INDIA TRAINING & ANALYTICAL LABORATORY,**  
**(A Unit of GRC India Private Limited)**

**NABL Accredited & MoEF&CC Recognized Laboratory**

**F-375, Sector-63, Noida, U.P.**

**Ph.: 0120- 4044630, Telefax: 0120- 2406519**

**Email: [lab@grc-india.com](mailto:lab@grc-india.com)**

**Website: <http://www.grc-india.com>**

# **ANNEXURE-I**

## **(TEST REPORTS)**





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## Test Report

Report Code: A20250517-007-01

Issue Date: 17.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 14.05.2025 to 16.05.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/MAY/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	12.05.2025	87.9	53.6	9.6	18.5	230	<0.1	<1.0	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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## Test Report

Report Code: A20250517-007-01

Issue Date: 17.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 14.05.2025 to 16.05.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location : Near NIA Office-Project Site  
Sample Collected by : Mr. Sonu Sen  
Sampling Protocol : GRC/LAB/STP/AIR/01: 2018  
Weather Condition : Clear Sky  
Sampling Duration : 4 Hours  
Sampler Installation Height : 4.0 Meter above Ground Level  
Sample Packing & Marking : Plastic Bottle/ Zip Polybag & NIA/MAY/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	12.05.2025	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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## Test Report

Report Code: A20250517-007-02

Issue Date: 17.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 14.05.2025 to 16.05.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near Project Site Batching Plant
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/MAY/A001

### RESULTS (Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	12.05.2025	94.8	56.7	10.5	27.9	270	<0.1	<1.0	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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### Test Report

**Report Code: A20250517-007-02**

**Issue Date: 17.05.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Analysis Duration:** 14.05.2025 to 16.05.2025

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	:	Near Project Site Batching Plant
Sample Collected by	:	Mr. Maan Singh
Sampling Protocol	:	GRC/LAB/STP/AIR/01: 2018
Weather Condition	:	Clear Sky
Sampling Duration	:	4 Hours
Sampler Installation Height	:	4.0 Meter above Ground Level
Sample Packing & Marking	:	Plastic Bottle/ Zip Polybag & NIA/MAY/A001

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	12.05.2025	<1.0

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

Reviewed By

Narinder Singh  
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Authorized Signatory  
(Seal & Signature)

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## Test Report

Report Code: A20250603-008-01

Issue Date: 03.06.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 30.05.2025 to 02.06.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/MAY/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	29.05.2025	93.4	58.7	9.1	20.6	200	<0.1	<1.0	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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### Test Report

**Report Code: A20250603-008-01**

**Issue Date: 03.06.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Analysis Duration:** 30.05.2025 to 02.06.2025

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/MAY/A001

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	29.05.2025	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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## Test Report

Report Code: A20250603-008-02

Issue Date: 03.06.2025

Issued To: M/s. Yamuna International Airport Private Limited,

Analysis Duration: 30.05.2025 to 02.06.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Village Dayanatpur
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/MAY/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	29.05.2025	78.5	48.2	5.8	17.8	160	<0.1	<1.0	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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## Test Report

**Report Code: A20250603-008-02**

**Issue Date: 03.06.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Analysis Duration:** 30.05.2025 to 02.06.2025

**Sample Description:** Ambient Air

### SAMPLING DETAILS

Sampling Location	: Village- Dayanatpur
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/MAY/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	29.05.2025	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: N20250516-007

Issue Date: 16.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on: 15.05.2025

Sample Description: Ambient Noise

### RESULTS

(Ambient Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring : 13.05.2025  
Monitoring Done by : Mr. Maan Singh  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Weather Condition : Clear Sky  
Monitoring Duration : 24 Hours

S. No.	Location		Zone	Noise Levels, Leq, dB (A)		Observed Noise Levels, Leq, dB (A)	
				Day Time*	Night Time**	Day Time*	Night Time**
1	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}						
	Near NIA Office-Project Site		Airport Area	70	65	56.9	48.7
2	Near Project Site Batching Plant		Airport Area	70	65	60.3	49.8
* Day Time		6.00 AM to 10.00 PM					
**Night Time		10.00 PM to 6.00 AM					

Note: The detailed Noise monitoring data is enclosed as Annexure-1

\*\*End of Report\*\*

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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## **ANNEXURE-1**

**Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.**

Monitoring Data Received On: 15.05.2025

**Monitoring Location: NIA Office-Project Site**  
**Sample Description: Ambient Noise**

## Computation Data- Ambient Noise

<b>Day Time (6:00 Am to 10:00 Pm)</b>	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
<b>Noise Measurement (dB)</b>	52.6	53.9	52.3	50.8	53.1	58.9	55.2	59.9	54.8	57.6	62.9	58.7	52.6	57.9	53.5	54.3
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	50.8	52.5	56.9	59.4	62.9	55.6	54.6									
<b>Night Time (10:00 Pm to 6:00 Am)</b>	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
	49.2	45.3	42.8	51.2	48.9	46.5	50.3	50.1								
<b>Noise Measurement (dB)</b>	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	42.8	44.6	48.7	50.6	51.2	48.0	49.1									
	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq d</sub>	L <sub>eq N</sub>										
<b>Noise Measurement Results for 24 Hrs.</b>	55.6	48.0	62.9	42.8	56.9	48.7										

**Narinder Singh**  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)



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**GRC India**

## ANNEXURE-1

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Location: Batching Plant  
Sample Description: Ambient Noise

Monitoring Data Received On: 15.05.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	61.4	56.9	57.6	56.3	59.6	62.3	62.7	64.7	65.9	59.2	58.5	58.6	53.2	52.6	52.3	51.4
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Night Time (10:00 Pm to 6:00 Am)																
	51.4	52.5	60.3	63.7	65.9	58.3	58.6									
Noise Measurement (dB)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
	52.3	49.8	47.6	48.6	47.5	48.6	49.9	51.6								
Noise Measurement (dB)	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	47.5	47.6	49.8	51.8	52.3	49.5	49.2									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	58.3	49.5	65.9	47.5	60.3	49.8										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)





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## Test Report

Report Code: N20250531-008

Issue Date: 31.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on: 31.05.2025

Sample Description: Ambient Noise

### RESULTS

(Ambient Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring : 29.05.2025  
Monitoring Done by : Mr. Sonu Sen  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Weather Condition : Clear Sky  
Monitoring Duration : 24 Hours

S. No.	Location		Zone	Noise Levels, Leq, dB (A)		Observed Noise Levels, Leq, dB (A)	
				Day Time*	Night Time**	Day Time*	Night Time**
1	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}						
	Near NIA Office-Project Site		Airport Area	70	65	63.6	52.8
2	Prescribed Limit {As per Noise Pollution (Regulation & Control) Rules, 2000}						
	Village Dayanatpur		Residential area	55	45	44.9	38.6
* Day Time		6.00 AM to 10.00 PM					
**Night Time		10.00 PM to 6.00 AM					

Note: The detailed Noise monitoring data is enclosed as Annexure-2

\*\*End of Report\*\*

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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## ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-201315.

Monitoring Location: NIA Office- Project Site

Sample Description: Ambient Noise

Monitoring Data Received On: 30.05.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	58.1	57.5	56.4	65.2	66.9	63.7	58.2	62.3	62.5	65.6	63.8	58.2	63.4	65.2	68.7	58.9
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
	53.9	54.8	51.2	52.6	50.6	55.3	50.3	50.2								
Noise Measurement (dB)	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	50.2	50.3	52.8	55.0	55.3	52.4	51.9									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	62.2	52.4	68.7	50.2	63.6	52.8										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)



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## ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Location: Village Dayanapur  
Sample Description: Ambient Noise

Monitoring Data Received On: 30.05.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	45.6	43.2	41.6	46.8	47.6	49.3	42.3	41.6	42.9	43.6	42.6	45.3	47.2	41.2	42.3	44.5
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Night Time (10:00 Pm to 6:00 Am)																
	39.5	36.2	35.5	39.5	36.5	39.1	40.2	39.7								
Noise Measurement (dB)																
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Noise Measurement Results for 24 Hrs.																
	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	44.2	38.3	49.3	35.5	44.9	38.6										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)



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## Test Report

Report Code: DW20250521-007(A)

Issue Date: 21.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 13.05.2025  
Analysis Duration: 14.05.2025 to 20.05.2025

Sample Description: Drinking Water

### RESULTS (Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 13.05.2025  
Sampling Location : NIA Office-Project Site  
Sample Collected by : Mr. Sonu Sen  
Sampling Protocol : IS 17614 (Part-1): 2021  
Weather Condition : Clear Sky  
Sample Quantity : 2 Liter  
Sample Packing & Marking : Plastic Bottle & NIA/MAY/DW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	<1.0	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	7.05	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	124	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	55.8	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	27.6	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	26	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	0.36	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	13	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	5.5	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	12.8	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.27	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021
16.	Iron (as Fe)	mg/l	0.3	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-ES)

Reviewed By

Rahul Singh  
Sr. Chemist  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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### Test Report

Report Code: DW20250521-007(A)

Issue Date: 21.05.2025

17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68): 2019, RA 2023
36.	Electrical Conductivity	µS/cm	---	---	187	IS 3025 (Part-14): 2013, RA 2023

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

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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Issue Date: 02.07.2018



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### Test Report

Report Code: DW20250519-007(B)

Issue Date: 19.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 13.05.2025  
Analysis Duration: 14.05.2025 to 17.05.2025

Sample Description: Drinking Water

### RESULTS (Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 13.05.2025  
Sampling Location : NIA Office-Project Site  
Sample Collected by : Mr. Sonu Sen  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/MAY/DW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)	Results	Test Method
1.	Total Coliform	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Absent)	IS 1622: 1981, RA 2019

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

Reviewed By

Apay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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## Test Report

Report Code: GW20250521-007(A)

Issue Date: 21.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 13.05.2025

Analysis Duration: 14.05.2025 to 20.05.2025

Sample Description: Ground Water

### RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 13.05.2025
Sampling Location	: Near NIA Office- Project site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-1): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/MAY/GW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	2	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	7.72	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	2642	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	525.9	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	541.8	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	459.9	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	1.32	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	123	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	52.6	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	792	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	9.1	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021

Reviewed By

Rahul Singh  
Sr. Chemist  
Authorized Signatory  
(Seal & Signature)

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Rev:00

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## Test Report

Report Code: GW20250521-007(A)

Issue Date: 21.05.2025

16.	Iron (as Fe)	mg/l	0.3	No Relaxation	0.21	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	0.06	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68): 2019, RA 2023
36.	Electrical Conductivity	µS/cm	---	---	4002	IS 3025 (Part-14): 2013, RA 2023

\*\*End of Report\*\*

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: GW20250519-007(B)

Issue Date: 19.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 13.05.2025  
Analysis Duration: 14.05.2025 to 17.05.2025

Sample Description: Ground Water

### RESULTS (Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 13.05.2025  
Sampling Location : Near NIA Office- Project site  
Sample Collected by : Mr. Sonu Sen  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/MAY/GW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)	Results	Test Method
1.	Total Coliform	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Absent)	IS 1622: 1981, RA 2019

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

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 (OH&S) Certified  
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Head Office: F-375, Sector-63, Noida, Gautam Budh Nagar, U.P. - 201301  
Phone No.: 0120 - 4044630, 4044660; Fax: 0120 - 2406519, 0120 - 4044675  
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## Test Report

Report Code: WW20250521-007(A)

Issue Date: 21.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 13.05.2025

Analysis Duration: 14.05.2025 to 20.05.2025

Sample Description: Waste Water- STP Outlet

### RESULTS

(Waste Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 13.05.2025
Sampling Location	: STP-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-10): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/MAY/WW-01

S. No.	Parameters	Units	Results	Requirements as per Gazette No. 843: 2017	Test Method
				Permissible Limit	
1.	pH Value	-	8.13	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids (TSS)	mg/l	18.0	Max. 50	IS 3025 (Part-17): 2022
3.	Biochemical Oxygen Demand (BOD) for 3 Days at 27°C	mg/l	8.0	Max. 20	IS 3025 (Part-44): 2023
4.	Chemical Oxygen Demand (COD)	mg/l	20.0	--	IS 3025 (Part-58): 2023
5.	Specific Conductivity	µS/cm	3513	--	IS 3025 (Part-14):2013,RA 2023
6.	Calcium (as Ca <sup>2+</sup> )	mg/l	87.0	--	IS 3025 (Part-40): 2024
7.	Magnesium (as Mg <sup>2+</sup> )	mg/l	61.0	--	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
8.	Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/l	1.04	--	IS 3025 (Part-34/Sec-1): 2023
9.	Total Kjeldal Nitrogen (as N)	mg/l	1.7	--	IS 3025 (Part-34/Sec-1): 2023
10.	Oil & Grease	mg/l	<4	--	IS 3025 (Part-39): 2021
11.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	<0.1	--	IS 3025 (Part-26): 20212
12.	Sulphide (as S)	mg/l	0.13	--	IS 3025 (Part-29): 2022
13.	Sodium (as Na)	mg/l	401.0	--	IS 3025 (Part-45): 2024
14.	Potassium (as K)	mg/l	38.0	--	IS 3025 (Part-45): 2024
15.	Cyanide (as CN)	mg/l	<0.01	--	IS 3025 (Part-27/Sec-1): 2021

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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Issue Date: 21.05.2025

16.	Lead (as Pb)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
17.	Total Chromium (as Cr)	mg/l	<0.1	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Copper (as Cu)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Zinc (as Zn)	mg/l	0.48	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Nickel (as Ni)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Arsenic (as As)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
23.	Mercury (as Hg)	mg/l	<0.001	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24.	Cadmium (as Cd)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Selenium (as Se)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
26.	Iron (as Fe)	mg/l	0.36	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
27.	Manganese (as Mn)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Aluminum (as Al)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Barium (as Ba)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)

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

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: WW20250519-007(B)

Issue Date: 19.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 13.05.2025  
Analysis Duration: 14.05.2025 to 17.05.2025

Sample Description: Waste Water- STP Outlet

### RESULTS

#### (Waste Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 13.05.2025  
Sampling Location : STP-Project Site  
Sample Collected by : Mr. Sonu Sen  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/MAY/WW-01

S. No.	Parameters	Units	Permissible Limit as per Gazette No. 843: 2017	Results	Test Method
1.	Total Coliform	MPN/100ml	--	980	APHA 24th Edition 9221-B: 2023
2.	Fecal Coliform	MPN/100ml	Max. 1000	640	APHA 24th Edition 9221-E: 2023

\*\*End of Report\*\*

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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### Test Report

Report Code: S20250321-007

Issue Date: 21.05.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 13.05.2025  
Analysis Duration: 14.05.2025 to 20.05.2025

Sample Description: Soil Sample

### RESULTS

(Soil Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 13.05.2025
Sampling Location	: J-1 Circle No. 1- Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: GRC/LAB/STP/01: 2018
Weather Condition	: Clear Sky
Sample Quantity	: 2 Kg (Composite sample)
Sample Packing & Marking	: Zip Polybag & NIA/MAY/SQ-01

S. No.	Parameters	Units	Results	Test Method
1.	Texture	-	Sandy Loam	GRC-LAB/STP-SOIL/22; 2018
2.	Particle Size Distribution	-	--	IS 2720 (Part-4): 1985, RA 2020
	Sand	%	65.2	
	Silt	%	15.9	
	Clay	%	18.9	
3.	pH (1:2 Suspension)	-	7.61	IS 2720 (Part-26): 1987, RA 2021
4.	Electrical Conductivity (1:2 Suspension)	µS/cm	527	IS 14767: 2000, RA 2021
5.	Available Potassium (as K)	mg/kg	61.4	GRC-LAB/STP-SOIL/07; 2018
6.	Chloride (as Cl)	mg/kg	276.1	GRC-LAB/STP-SOIL/14; 2018
7.	Total Kjeldahl Nitrogen (as N)	mg/kg	41.6	IS 14684: 1999, RA 2019
8.	Exchangeable Phosphorus (as P)	mg/kg	5.9	USEPA Method 365.3: 1978
9.	Iron (as Fe)	mg/kg	11.4	USEPA Method 3051-A (Rev.-01): 2007
10.	Zinc (as Zn)	mg/kg	2.7	USEPA Method 3051-A (Rev.-01): 2007

Reviewed By

Narendra Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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### Test Report

Report Code: S20250321-007

Issue Date: 21.05.2025

11.	Nickel (as Ni)	mg/kg	0.7	USEPA Method 3051-A (Rev.-01): 2007
12.	Manganese (as Mn)	mg/kg	2.9	USEPA Method 3051-A (Rev.-01): 2007
13.	Cobalt (as Co)	mg/kg	0.4	USEPA Method 3051-A (Rev.-01): 2007
14.	Lead (as Pb)	mg/kg	<0.1	USEPA Method 3051-A (Rev.-01): 2007
15.	Copper (as Cu)	mg/kg	1.28	USEPA Method 3051-A (Rev.-01): 2007
16.	Arsenic (as As)	mg/kg	0.42	USEPA Method 3051-A (Rev.-01): 2007
17.	Molybdenum (as Mo)	mg/kg	0.31	3050-B, PP 1-12, USEPA, 2nd Rew.: 1996
18.	Mercury (as Hg)	mg/kg	0.13	USEPA Method 3051-A (Rev.-01): 2007
19.	Total Chromium (as Cr+3)	mg/kg	0.3	USEPA Method 3051-A (Rev.-01): 2007
20.	Organic Carbon	%	0.68	IS 2720 (Part-22): 1972
21.	Bulk Density	gm/cm <sup>3</sup>	1.32	GRC-LAB/STP-SOIL/12; 2018
22.	Cation Exchange Capacity	meq/100gm	10.2	IS 2720 (Part-24): 1976, RA 2020
23.	Exchangeable Sodium (as Na)	mg/kg	184	GRC-LAB/STP-SOIL/; 2018
24.	Exchangeable Calcium (as Ca)	mg/kg	1927	GRC-LAB/STP-SOIL/08, Issue no. 02, issue Date: 02.07.2018: 2018
25.	Exchangeable Magnesium (as Mg)	mg/kg	280	GRC-LAB/STP-SOIL/08, Issue no. 02, issue Date: 02.07.2018: 2018
26.	Sodium Absorption Ratio	meq/kg	1.04	GRC-LAB/STP-SOIL/19, Issue no. 02, issue Date: 02.07.2018: 2018
27.	Selenium (as Se)	mg/kg	<0.1	USEPA Method 3051-A (Rev.-01): 2007
28.	Moisture	%	9.4	IS 2720 (Part-2): 1973, RA 2020
29.	Aluminum (as Al)	mg/kg	0.5	USEPA Method 3051-A (Rev.-01): 2007
30.	Organic Matter	%	0.95	IS 2720 (Part-22): 1972, RA 2020

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

Reviewed By

Narendra Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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# POST EC BASELINE ENVIRONMENTAL MONITORING REPORT

**M/S. YAMUNA INTERNATIONAL AIRPORT PRIVATE LIMITED**  
**Administrative Office, Noida International Airport, Kishorepur,**  
**Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**

**JUNE 2025**



**Submitted By:**

**GRC INDIA TRAINING & ANALYTICAL LABORATORY,**  
**(A Unit of GRC India Private Limited)**

**NABL Accredited & MoEF&CC Recognized Laboratory**

**F-375, Sector-63, Noida, U.P.**

**Ph.: 0120- 4044630, Telefax: 0120- 2406519**

**Email: [lab@grc-india.com](mailto:lab@grc-india.com)**

**Website: <http://www.grc-india.com>**



# **ANNEXURE-I**

## **(TEST REPORTS)**



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## Test Report

Report Code: A20250627-001-01

Issue Date: 27.06.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 24.06.2025 to 26.06.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location : Near NIA Office-Project Site  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : GRC/LAB/STP/AIR/01: 2018  
Weather Condition : Clear Sky  
Sampling Duration : 24 Hours  
Sampling Duration for CO : 1 Hour  
Sampler Installation Height : 4.0 Meter above Ground Level  
Sample Packing & Marking : Plastic Bottle/ Zip Polybag & NIA/JUNE/A001

### RESULTS (Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m <sup>3</sup>	Particulate Matter (PM <sub>2.5</sub> ); µg/m <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ); µg/m <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m <sup>3</sup>	Carbon Monoxide (CO); µg/m <sup>3</sup>	Lead (pb); µg/m <sup>3</sup>	Ammonia (NH <sub>3</sub> ); µg/m <sup>3</sup>	Benzene (C <sub>6</sub> H <sub>6</sub> ); µg/m <sup>3</sup>
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	23.06.2025	84.5	45.3	9.4	21.4	240	<0.1	<1.0	<1.0

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

Reviewed By

Harinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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## Test Report

Report Code: A20250627-001-01

Issue Date: 27.06.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 24.06.2025 to 26.06.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/JUNE/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	23.06.2025	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: A20250627-001-02

Issue Date: 27.06.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 24.06.2025 to 26.06.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near Project Site Batching Plant
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/JUNE/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg/m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m³
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	23.06.2025	91.2	50.7	10.1	25.4	280	<0.1	<1.0	<1.0

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

Reviewed By



GRC-LAB/QF-039

Rev:00

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## Test Report

Report Code: A20250627-001-02

Issue Date: 27.06.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 24.06.2025 to 26.06.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near Project Site Batching Plant
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/JUNE/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	23.06.2025	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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## Test Report

Report Code: N20250626-001

Issue Date: 26.06.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on: 25.06.2025

Sample Description: Ambient Noise

### RESULTS

(Ambient Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring : 23.06.2025  
Monitoring Done by : Mr. Maan Singh  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Weather Condition : Clear Sky  
Monitoring Duration : 24 Hours

S. No.	Location		Zone	Noise Levels, Leq, dB (A)		Observed Noise Levels, Leq, dB (A)	
				Day Time*	Night Time**	Day Time*	Night Time**
1	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}						
	Near NIA Office-Project Site		Airport Area	70	65	59.2	50.5
2	Near Project Site Batching Plant		Airport Area	70	65	64.0	53.0
* Day Time		6.00 AM to 10.00 PM					
**Night Time		10.00 PM to 6.00 AM					

Note: The detailed Noise monitoring data is enclosed as Annexure-1

\*\*End of Report\*\*

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## ANNEXURE-1

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Location: NIA Office- Project Site  
Sample Description: Ambient Noise

Monitoring Data Received On: 25.06.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	53.2	56.1	55.8	59.4	61.1	59.9	57.2	62.9	56.8	57.6	62.9	63.7	54.6	53.9	54.5	56.3
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Night Time (10:00 Pm to 6:00 Am)	53.2	54.2	59.2	62.9	63.7	57.9	57.0									
	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	50.2	49.9	47.8	51.8	49.9	47.9	51.3	52.8								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Noise Measurement Results for 24 Hrs.	47.8	47.9	50.5	52.1	52.8	50.2	50.1									
	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	57.9	50.2	63.7	47.8	59.2	50.5										





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## ANNEXURE-1

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Location: Batching Plant  
Sample Description: Ambient Noise

Monitoring Data Received On: 25.06.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	61.4	58.9	62.6	67.3	63.6	65.3	65.7	64.7	67.9	60.8	59.5	65.6	66.2	60.6	57.3	59.4
	L <sub>min</sub>	L <sub>90</sub>	Leq	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Night Time (10:00 Pm to 6:00 Am)	57.3	59.2	64.0	66.8	67.9	62.9	63.1									
	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	58.3	50.8	47.9	50.6	48.5	49.2	50.9	55.6								
	L <sub>min</sub>	L <sub>90</sub>	Leq	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Noise Measurement Results for 24 Hrs.	47.9	48.3	53.0	56.4	58.3	51.5	50.7									
	L <sub>day</sub>	L <sub>night</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	62.9	51.5	67.9	47.9	64.0	53.0										





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## Test Report

Report Code: W20250702-001(A)

Issue Date: 02.07.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 24.06.2025

Analysis Duration: 25.06.2025 to 01.07.2025

Sample Description: Drinking Water

### RESULTS (Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 24.06.2025
Sampling Location	: Road No.-3 Labour Centre
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: IS 17614 (Part-1): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/JUNE/DW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	<1.0	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	6.68	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	104	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	57.1	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	32.8	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	26.9	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	0.28	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	14	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	5.50	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	12.4	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.25	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021
16.	Iron (as Fe)	mg/l	0.3	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-ES)

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: W20250702-001(A)

Issue Date: 02.07.2025

17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68): 2019, RA 2023
36.	Electrical Conductivity	µS/cm	---	---	156	IS 3025 (Part-14): 2013, RA 2023

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

Reviewed By

Ravi Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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### Test Report

Report Code: W20250630-001(B)

Issue Date: 30.06.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 24.06.2025  
Analysis Duration: 25.06.2025 to 28.06.2025

Sample Description: Water

### RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 24.06.2025  
Sampling Location : Road No.-3 Labour Centre  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/JUNE/W-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)	Results	Test Method
1.	Total Coliform	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Absent)	IS 1622: 1981, RA 2019

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

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

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Issue Date: 02.07.2018



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## Test Report

Report Code: W20250702-001(A)

Issue Date: 02.07.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 24.06.2025  
Analysis Duration: 25.06.2025 to 01.07.2025

Sample Description: Water

## RESULTS

(Water Quality Analysis)

### SAMPLING DETAILS

Date of Sampling : 24.06.2025  
Sampling Location : Water-Drain Near Nursery Area  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : IS 17614 (Part-1): 2021  
Weather Condition : Clear Sky  
Sample Quantity : 2 Liter  
Sample Packing & Marking : Plastic Bottle & NIA/JUNE/W-01

S. No.	Parameters	Units	Results	Test Method
1.	Colour	CU	5	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	70	IS 3025 (Part-10): 2023
4.	pH	-	7.68	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	2692	IS 3025 (Part-16): 2023
6.	Total Suspended Solids (TSS)	mg/l	150	IS 3025 (Part-17): 2022
7.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	521.4	IS 3025 (Part-21): 2009, RA 2023
8.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	536.2	IS 3025 (Part-23): 2023
9.	Chlorides (as Cl)	mg/l	454.8	IS 3025 (Part-32): 1988, RA 2019
10.	Fluoride (as F)	mg/l	1.28	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
11.	Calcium (as Ca <sup>2+</sup> )	mg/l	125	IS 3025 (Part-40): 2024
12.	Magnesium (as Mg <sup>2+</sup> )	mg/l	50.1	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
13.	Sulphate (as SO <sub>4</sub> )	mg/l	789	IS 3025 (Part-24/Sec-1): 2022
14.	Nitrate (as NO <sub>3</sub> )	mg/l	8.9	IS 3025 (Part-34/Sec-1): 2023
15.	Ammonia (as NH <sub>3</sub> )	mg/l	<0.1	IS 3025 (Part-34/Sec-1): 2023
16.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	<0.1	IS 3025 (Part-26): 2021
17.	Iron (as Fe)	mg/l	0.35	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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## Test Report

Report Code: W20250702-001(A)

Issue Date: 02.07.2025

18.	Aluminum (as Al)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Barium (as Ba)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Copper (as Cu)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Manganese (as Mn)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Boron (as B)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Zinc (as Zn)	mg/l	0.2	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
24.	Selenium (as Se)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
25.	Silver (as Ag)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Molybdenum (as Mo)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
27.	Arsenic (as As)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
28.	Cadmium (as Cd)	mg/l	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Total Chromium (as Cr)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Cyanide (as CN)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Lead (as Pb)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
32.	Mercury (as Hg)	mg/l	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
33.	Nickel (as Ni)	mg/l	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
34.	Sulphide (as S)	mg/l	<0.01	IS 3025 (Part-29): 2022
35.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	<0.001	IS 3025 (Part-43/Sec-1): 2022
36.	Anionic Detergent (as MBAS)	mg/l	<0.01	IS 3025 (Part-68): 2019, RA 2023
37.	Electrical Conductivity	μS/cm	4035	IS 3025 (Part-14): 2013, RA 2023

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

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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### Test Report

**Report Code: W20250630-001(B)**

**Issue Date: 30.06.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

**Sample Received On:** 24.06.2025  
**Analysis Duration:** 25.06.2025 to 28.06.2025

**Sample Description:** Water

### RESULTS

**(Water Quality Analysis)**

#### SAMPLING DETAILS

Date of Sampling	: 24.06.2025
Sampling Location	: Water-Drain Near Nursery Area
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: IS 17614 (Part-25): 2022
Weather Condition	: Clear Sky
Sample Quantity	: 0.4 Liter
Sample Packing & Marking	: Sterile Glass Bottle & NIA/JUNE/W-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)	Results	Test Method
1.	Total Coliform	MPN/100ml	Shall not be detected in 100 ml Sample	250	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	90	IS 1622: 1981, RA 2019

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

Reviewed By 

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)



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## Test Report

Report Code: WW20250702-001(A)

Issue Date: 02.07.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 24.06.2025  
Analysis Duration: 25.06.2025 to 01.07.2025

Sample Description: Waste Water- ETP Outlet

### RESULTS

(Waste Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 24.06.2025
Sampling Location	: ETP Outlet- Project site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: IS 17614 (Part-10): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/JUNE/WW-01

S. No.	Parameters	Units	Results	CPCB Limits(EPR-1986) Schedule VI Part-A)	Test Method
				Permissible Limit	
1.	Color	CU	50	-	IS 3025 (Part-04): 2021
2.	pH @ 25°C	-	7.79	5.5 - 9.0	IS 3025 (Part-11): 2022
3.	Total Suspended Solids	mg/l	15	100	IS 3025 (Part-17): 2022
4.	Biochemical Oxygen Demand (BOD) 3 Days at 27°C	mg/l	22	30	IS 3025 (Part-44): 2023
5.	Chemical Oxygen Demand	mg/l	80.0	250	IS 3025 (Part-58): 2023
6.	Oil & Grease	mg/l	<4.0	10	IS 3025 (Part-39): 2021
7.	Total Dissolved Solids	mg/l	2410	2100	IS 3025 (Part-16): 2023

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

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: WW20250630-001(B)

Issue Date: 30.06.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 24.06.2025  
Analysis Duration: 25.06.2025 to 28.06.2025

Sample Description: Waste Water- ETP Outlet

### RESULTS

(Waste Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 24.06.2025  
Sampling Location : ETP Outlet- Project site  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/JUNE/WW-01

S. No.	Parameters	Units	CPCB Limits(EPR-1986) Schedule VI Part-A)	Results	Test Method
1.	Total Coliform	MPN/100ml	--	550	APHA 24th Edition 9221-B: 2023
2.	Fecal Coliform	MPN/100ml	Max. 1000	11	APHA 24th Edition 9221-E: 2023

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

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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## Test Report

Report Code: S20250702-001

Issue Date: 02.07.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 25.06.2025  
Analysis Duration: 26.06.2025 to 01.07.2025

Sample Description: Soil Sample

### RESULTS (Soil Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 24.06.2025
Sampling Location	: Near J2 Circle - Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/01: 2018
Weather Condition	: Clear Sky
Sample Quantity	: 2 Kg (Composite sample)
Sample Packing & Marking	: Zip Polybag & NIA/JUNE/SQ-01

S. No.	Parameters	Units	Results	Test Method
1.	Texture	-	Sandy Clay Loam	GRC-LAB/STP-SOIL/22; 2018
2.	Particle Size Distribution	-	--	IS 2720 (Part-4): 1985, RA 2020
	Sand	%	63.4	
	Silt	%	15.8	
	Clay	%	20.8	
3.	pH (1:2 Suspension)	-	7.71	IS 2720 (Part-26): 1987, RA 2021
4.	Electrical Conductivity (1:2 Suspension)	µS/cm	521	IS 14767: 2000, RA 2021
5.	Available Potassium (as K)	mg/kg	64.2	GRC-LAB/STP-SOIL/07; 2018
6.	Chloride (as Cl)	mg/kg	281.1	GRC-LAB/STP-SOIL/14; 2018
7.	Total Kjeldahl Nitrogen (as N)	mg/kg	42.3	IS 14684: 1999, RA 2019
8.	Exchangeable Phosphorus (as P)	mg/kg	6.2	USEPA Method 365.3: 1978
9.	Iron (as Fe)	mg/kg	10.8	USEPA Method 3051-A (Rev.-01): 2007
10.	Zinc (as Zn)	mg/kg	2.5	USEPA Method 3051-A (Rev.-01): 2007

Reviewed By

Narendra Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)  
Issue Date: 02.07.2025

GRC-LAB/QF-039

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## Test Report

Report Code: S20250702-001

Issue Date: 02.07.2025

11.	Nickel (as Ni)	mg/kg	0.6	USEPA Method 3051-A (Rev.-01): 2007
12.	Manganese (as Mn)	mg/kg	3.1	USEPA Method 3051-A (Rev.-01): 2007
13.	Cobalt (as Co)	mg/kg	0.3	USEPA Method 3051-A (Rev.-01): 2007
14.	Lead (as Pb)	mg/kg	<0.1	USEPA Method 3051-A (Rev.-01): 2007
15.	Copper (as Cu)	mg/kg	1.25	USEPA Method 3051-A (Rev.-01): 2007
16.	Arsenic (as As)	mg/kg	0.38	USEPA Method 3051-A (Rev.-01): 2007
17.	Molybdenum (as Mo)	mg/kg	0.28	3050-B,PP 1-12, USEPA, 2nd Rew.: 1996
18.	Mercury (as Hg)	mg/kg	0.11	USEPA Method 3051-A (Rev.-01): 2007
19.	Total Chromium (as Cr+3)	mg/kg	0.2	USEPA Method 3051-A (Rev.-01): 2007
20.	Organic Carbon	%	0.62	IS 2720 (Part-22): 1972
21.	Bulk Density	gm/cm <sup>3</sup>	1.33	GRC-LAB/STP-SOIL/12; 2018
22.	Cation Exchange Capacity	meq/100gm	12.9	IS 2720 (Part-24): 1976,RA 2020
23.	Exchangeable Sodium (as Na)	mg/kg	181	GRC-LAB/STP-SOIL/; 2018
24.	Exchangeable Calcium (as Ca)	mg/kg	1923	GRC-LAB/STP-SOIL/08, Issue no. 02, issue Date: 02.07.2018: 2018
25.	Exchangeable Magnesium (as Mg)	mg/kg	283	GRC-LAB/STP-SOIL/08, Issue no. 02, issue Date: 02.07.2018: 2018
26.	Sodium Absorption Ratio	meq/kg	1.02	GRC-LAB/STP-SOIL/19, Issue no. 02, issue Date: 02.07.2018: 2018
27.	Selenium (as Se)	mg/kg	<0.1	USEPA Method 3051-A (Rev.-01): 2007
28.	Moisture	%	10.5	IS 2720 (Part-2): 1973,RA 2020
29.	Aluminum (as Al)	mg/kg	0.4	USEPA Method 3051-A (Rev.-01): 2007
30.	Organic Matter	%	0.97	IS 2720 (Part-22): 1972,RA2020

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

Reviewed By

Narendra Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)  
Issue Date: 02.07.2018

GRC-LAB/QF-039

Rev:00

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# POST EC BASELINE ENVIRONMENTAL MONITORING REPORT

**M/S. YAMUNA INTERNATIONAL AIRPORT PRIVATE LIMITED**  
**Administrative Office, Noida International Airport, Kishorepur,**  
**Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**

**JULY- 2025**



**Submitted By:**

**GRC INDIA TRAINING & ANALYTICAL LABORATORY,**  
**(A Unit of GRC India Private Limited)**

**NABL Accredited & MoEF&CC Recognized Laboratory**

**F-375, Sector-63, Noida, U.P.**

**Ph.: 0120- 4044630, Telefax: 0120- 2406519**

**Email: [lab@grc-india.com](mailto:lab@grc-india.com)**

**Website: <http://www.grc-india.com>**

# **ANNEXURE-I**

## **(TEST REPORTS)**



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## Test Report

Report Code: A20250707-001-01

Issue Date: 07.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 03.07.2025 to 05.07.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/JULY/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	02.07.2025	80.3	46.9	8.5	20.1	210	<0.1	<1.0	<1.0

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

Reviewed By

Harinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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### Test Report

**Report Code: A20250707-001-01**

**Issue Date: 07.07.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited

**Analysis Duration:** 03.07.2025 to 05.07.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/JULY/A001

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	02.07.2025	<1.0

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

Reviewed By



GRC-LAB/QF-039

Rev.:00

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Website: <https://www.grc-india.com>; E-mail: [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com)



## Test Report

Report Code: A20250707-001-02

Issue Date: 07.07.2025

Issued To: M/s. Yamuna International Airport Private Limited

Analysis Duration: 03.07.2025 to 05.07.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Dayanatpur Village
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/JULY/A002

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	02.07.2025	68.6	44.8	5.6	18.7	190	<0.1	<1.0	<1.0

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

Reviewed By



GRC-LAB/QF-039

Rev:00

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### Test Report

**Report Code: A20250707-001-02**

**Issue Date: 07.07.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited

**Analysis Duration:** 03.07.2025 to 05.07.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	: Village Dayanatpur
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/JULY/A002

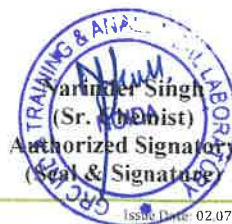
#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	02.07.2025	<1.0

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

Reviewed By



GRC-LAB/QF-039

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Website: <https://www.grc-india.com>; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com)



## Test Report

Report Code: A20250722-001-03

Issue Date: 22.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 18.07.2025 to 21.07.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location : Near NIA Office-Project Site  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : GRC/LAB/STP/AIR/01: 2018  
Weather Condition : Clear Sky  
Sampling Duration : 24 Hours  
Sampling Duration for CO : 1 Hour  
Sampler Installation Height : 4.0 Meter above Ground Level  
Sample Packing & Marking : Plastic Bottle/ Zip Polybag & NIA/JULY/A003

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	17.07.2025	78.9	48.6	9.3	19.7	230	<0.1	<1.0	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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### Test Report

**Report Code: A20250722-001-03**

**Issue Date: 22.07.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Analysis Duration:** 18.07.2025 to 21.07.2025

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

**Sampling Location** : Near NIA Office-Project Site  
**Sample Collected by** : Mr. Maan Singh  
**Sampling Protocol** : GRC/LAB/STP/AIR/01: 2018  
**Weather Condition** : Clear Sky  
**Sampling Duration** : 4 Hours  
**Sampler Installation Height** : 4.0 Meter above Ground Level  
**Sample Packing & Marking** : Plastic Bottle/ Zip Polybag & NIA/JULY/A003

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	17.07.2025	<1.0

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

Reviewed By



GRC-LAB/QF-039

Rev:00

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Website: <https://www.grc-india.com>; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com)



## Test Report

Report Code: A20250722-001-04

Issue Date: 22.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 18.07.2025 to 21.07.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Village Dayanatpur
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/JULY/A004

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m <sup>3</sup>	Particulate Matter (PM <sub>2.5</sub> ); µg/m <sup>3</sup>	Sulphur Dioxide (SO <sub>2</sub> ); µg/m <sup>3</sup>	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m <sup>3</sup>	Carbon Monoxide (CO); µg/m <sup>3</sup>	Lead (pb); µg/m <sup>3</sup>	Ammonia (NH <sub>3</sub> ); µg/m <sup>3</sup>	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup>
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018 (RA 2019)	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	17.07.2025	61.3	41.4	6.1	16.5	170	<0.1	<1.0	<1.0

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

Reviewed By



GRC-LAB/QF-039

Rev:00

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### Test Report

**Report Code: A20250722-001-04**

**Issue Date: 22.07.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited

**Analysis Duration:** 18.07.2025 to 21.07.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	:	Village- Dayanatpur
Sample Collected by	:	Mr. Maan Singh
Sampling Protocol	:	GRC/LAB/STP/AIR/01: 2018
Weather Condition	:	Clear Sky
Sampling Duration	:	4 Hours
Sampler Installation Height	:	4.0 Meter above Ground Level
Sample Packing & Marking	:	Plastic Bottle/ Zip Polybag & NIA/JULY/A004

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	17.07.2025	<1.0

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

Reviewed By



GRC-LAB/QF-039

Rev.,00

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## Test Report

Report Code: N20250704-001-01

Issue Date: 04.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on: 03.07.2025

Sample Description: Ambient Noise

### RESULTS

(Ambient Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring : 02.07.2025  
Monitoring Done by : Mr. Maan Singh  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Weather Condition : Clear Sky  
Monitoring Duration : 24 Hours

S. No.	Location		Zone	Noise Levels, Leq, dB (A)		Observed Noise Levels, Leq, dB (A)	
				Day Time*	Night Time**	Day Time*	Night Time**
1	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}						
	Near NIA Office-Project Site		Airport Area	70	65	58.2	49.6
2	Prescribed Limit {As per Noise Pollution (Regulation & Control) Rules, 2000}						
	Village Dayanatpur		Residential area	55	45	47.6	39.5
* Day Time		6.00 AM to 10.00 PM					
**Night Time		10.00 PM to 6.00 AM					

Note: The detailed Noise monitoring data is enclosed as Annexure-2

\*\*End of Report\*\*

Reviewed By



GRC-LAB/QF-039

Rev.00

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4. The MU will be reported in the test report only on the request of customer.  
5. The samples received for chemical testing shall be destroyed after 30 days from the date of issue of the report unless specified otherwise and samples for biological testing will be destroyed after 7 days of issue of test report.



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## ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar  
 Uttar Pradesh-203135.

Monitoring Location: NIA Office- Project Site  
 Sample Description: Ambient Noise

Monitoring Data Received On: 03.07.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	53.2	56.1	55.3	56.3	54.9	59.9	57.2	57.3	56.8	57.6	62.9	63.7	54.6	53.9	54.5	57.3
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Night Time (10:00 Pm to 6:00 Am)	53.2	54.2	58.2	61.4	63.7	57.0	56.6									
	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	50.2	49.9	49.5	48.9	50.8	48.9	49.8	48.3								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Noise Measurement Results for 24 Hrs.	48.3	48.7	49.5	50.4	50.8	49.6	49.7									
	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	57.0	43.7	65.2	38.9	62.3	46.1										

Narinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)



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## ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar  
 Uttar Pradesh-203135.

Monitoring Location: Village Dayanatpur  
 Sample Description: Ambient Noise

Monitoring Data Received On: 03.07.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	47.6	48.7	45.5	45.2	51.6	42.8	46.8	49.6	44.5	50.4	47.2	46.1	42.6	49.4	48.3	42.6
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
	40.5	39.4	41.1	38.5	38.8	37.1	38.5	40.5								
Noise Measurement (dB)	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	37.1	38.1	39.5	40.7	41.1	39.3	39.1									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	63.1	44.8	70.2	42.5	65.4	45.2										

Narinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)



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## Test Report

Report Code: N20250719-001-02

Issue Date: 19.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on: 18.07.2025

Sample Description: Ambient Noise

### RESULTS

(Ambient Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring : 17.07.2025  
Monitoring Done by : Mr. Maan Singh  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Weather Condition : Clear Sky  
Monitoring Duration : 24 Hours

S. No.	Location		Zone	Noise Levels, Leq, dB (A)		Observed Noise Levels, Leq, dB (A)	
				Day Time*	Night Time**	Day Time*	Night Time**
1	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}						
	Near NIA Office-Project Site		Airport Area	70	65	57.9	50.6
2	Prescribed Limit {As per Noise Pollution (Regulation & Control) Rules, 2000}						
	Village Dayanatpur		Residential area	55	45	46.9	38.5
* Day Time		6.00 AM to 10.00 PM					
**Night Time		10.00 PM to 6.00 AM					

Note: The detailed Noise monitoring data is enclosed as Annexure-2

\*\*End of Report\*\*

Reviewed By

Harinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.00

Issue Date: 02.07.2013

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## ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Location: NIA Office- Project Site

Sample Description: Ambient Noise

Monitoring Data Received On: 18.07.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	58.1	57.5	56.4	56.4	53.8	60.6	58.2	62.3	54.8	59.2	55.7	61.2	54.8	57.2	54.4	51.2
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	51.2	54.1	57.9	60.9	62.3	57.0	56.8									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
	53.7	49.4	51.2	52.6	46.5	48.2	50.3	48.2								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Noise Measurement (dB)	46.5	47.7	50.5	52.9	53.7	50.0	49.9									
	L <sub>day</sub>	L <sub>night</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	59.8	42.9	72.5	40.5	66.5	50.6										
Noise Measurement Results for 24 Hrs.																

Narinder Singh  
(Specialist)  
Authorized Signatory  
(Seal & Signature)





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## ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Location: Village Dayanapur  
Sample Description: Ambient Noise

Monitoring Data Received On: 18.07.2025

### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>3</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	45.6	45.7	48.6	47.8	49.6	46.8	48.1	42.5	44.9	43.6	47.8	45.7	48.5	47.5	48.8	36.2
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Night Time (10:00 Pm to 6:00 Am)	36.2	43.1	46.9	48.7	49.6	46.1	47.2									
	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	45.2	36.2	32.5	38.5	33.5	35.3	32.6	35.2								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
Noise Measurement Results for 24 Hrs.	32.5	32.6	38.5	40.5	45.2	36.1	35.3									
	L <sub>day</sub>	L <sub>night</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	51.1	37.7	56.7	35.3	52.7	38.5										

Narinder Singh  
(Sr. Analyst)  
Authorized Signatory  
(Seal & Signature)



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## Test Report

Report Code: SN20250722-001

Issue Date: 22.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on: 21.07.2025

Sample Description: DG Noise

### RESULTS

(DG Set Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring : 19.07.2025  
DG Set Installation Location : DC Plant-Project Site  
Monitoring Done by : Mr. Maan Singh  
Monitoring Protocol : IS 4758: 1968, RA 2017  
Weather Condition : Clear Sky  
Monitoring Duration : 15 Minutes  
DG Set Capacity : 380 KVA  
DG Set Make, Model & Type : Cummins CJ380D5P  
Acoustic Enclosure Installed : Yes

S. No.	Parameter	Unit	Result	Permissible Limit {As per Noise Limit for Generator set run with Diesel Notification, GSR-371(E), 2002, Amend. 2011}
1	Sound Pressure Level	dB(A)	67.9	Max. 75

Note: Monitoring has been done from 01 meter away from the acoustic enclosure surface of the DG Set.

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

Monitored By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC LAB/QF-039

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Issue Date: 02.07.2018



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## Test Report

Report Code: W20250710-001-01(A)

Issue Date: 10.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 03.07.2025  
Analysis Duration: 03.07.2025 to 09.07.2025

Sample Description: Drinking Water

### RESULTS (Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 03.07.2025  
Sampling Location : D.W Zone - 1  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : IS 17614 (Part-1): 2021  
Weather Condition : Clear Sky  
Sample Quantity : 2 Liter  
Sample Packing & Marking : Plastic Bottle & NIA/JULY/DW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	<1.0	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	7.55	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	230	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	64	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	84	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	34	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	0.6	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	15	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	6.1	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	26	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.5	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021
16.	Iron (as Fe)	mg/l	0.3	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3500Fe: 2023 (ICP-ES)

Reviewed By

Rahul Singh  
Sr. Chemist  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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## Test Report

Report Code: W20250710-001-01(A)

Issue Date: 10.07.2025

17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68): 2019, RA 2023
36.	Electrical Conductivity	µS/cm	---	---	349	IS 3025 (Part-14): 2013, RA 2023

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

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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## Test Report

Report Code: W20250708-001-01(B)

Issue Date: 08.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 03.07.2025

Analysis Duration: 03.07.2025 to 06.07.2025

Sample Description: Water

### RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 03.07.2025  
Sampling Location : Zone - 1  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/JULY/W-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)	Results	Test Method
1.	Total Coliform	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Absent)	IS 1622: 1981, RA 2019

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

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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## Test Report

Report Code: W20250725-001-02(A)

Issue Date: 25.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 18.07.2025  
Analysis Duration: 18.07.2025 to 24.07.2025

Sample Description: Drinking Water

### RESULTS (Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 18.07.2025
Sampling Location	: D.W Labour Colony
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: IS 17614 (Part-1): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/JULY/W-02

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	<1.0	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	7.21	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	112	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	40	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	67.2	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	10	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	0.2	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	10	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	3.8	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	8.2	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.12	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

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## Test Report

Report Code: W20250725-001-02(A)

Issue Date: 25.07.2025

16.	Iron (as Fe)	mg/l	0.3	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68/2019, RA 2023)
36.	Electrical Conductivity	μS/cm	---	---	169	IS 3025 (Part-14): 2014, RA 2023

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

Reviewed By

Rakesh Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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## Test Report

Report Code: W20250722-001-02(B)

Issue Date: 22.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 18.07.2025

Analysis Duration: 18.07.2025 to 21.07.2025

Sample Description: Water

### RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 18.07.2025  
Sampling Location : Labour Colony  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/JULY/W-02

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)	Results	Test Method
1.	Total Coliform	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Absent)	IS 1622: 1981, RA 2019

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

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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## Test Report

Report Code: WW20250725-001(A)

Issue Date: 25.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 18.07.2025

Analysis Duration: 18.07.2025 to 24.07.2025

Sample Description: Waste Water- STP Outlet

### RESULTS

(Waste Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 18.07.2025  
Sampling Location : STP-Project Site  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : IS 17614 (Part-10): 2021  
Weather Condition : Clear Sky  
Sample Quantity : 2 Liter  
Sample Packing & Marking : Plastic Bottle & NIA/JULY/WW-01

S. No.	Parameters	Units	Results	Requirements as per Gazette No. 843: 2017	Test Method
				Permissible Limit	
1.	pH Value	-	7.83	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids (TSS)	mg/l	15.0	Max. 50	IS 3025 (Part-17): 2022
3.	Biochemical Oxygen Demand (BOD) for 3 Days at 27°C	mg/l	8.5	Max. 20	IS 3025 (Part-44): 2023
4.	Chemical Oxygen Demand (COD)	mg/l	25.0	--	IS 3025 (Part-58): 2023
5.	Specific Conductivity	µS/cm	2945	--	IS 3025 (Part-14): 2013, RA 2023
6.	Calcium (as Ca <sup>2+</sup> )	mg/l	164.0	--	IS 3025 (Part-40): 2024
7.	Magnesium (as Mg <sup>2+</sup> )	mg/l	62.0	--	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
8.	Ammoniacal Nitrogen (as NH <sub>3</sub> -N)	mg/l	1.2	--	IS 3025 (Part-34/Sec-1): 2023
9.	Total Kjeldal Nitrogen (as N)	mg/l	1.7	--	IS 3025 (Part-34/Sec-1): 2023
10.	Oil & Grease	mg/l	<4	--	IS 3025 (Part-39): 2021
11.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	<0.1	--	IS 3025 (Part-26): 20212
12.	Sulphide (as S)	mg/l	0.2	--	IS 3025 (Part-29): 2022
13.	Sodium (as Na)	mg/l	398.0	--	IS 3025 (Part-45): 2024
14.	Potassium (as K)	mg/l	43.5	--	IS 3025 (Part-45): 2024
15.	Cyanide (as CN)	mg/l	<0.01	--	IS 3025 (Part-27/Sec-1): 2021

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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### Test Report

Report Code: WW20250725-001(A)

Issue Date: 25.07.2025

16.	Lead (as Pb)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
17.	Total Chromium (as Cr)	mg/l	<0.1	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Copper (as Cu)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Zinc (as Zn)	mg/l	0.55	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Nickel (as Ni)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Arsenic (as As)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
23.	Mercury (as Hg)	mg/l	<0.001	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24.	Cadmium (as Cd)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Selenium (as Se)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
26.	Iron (as Fe)	mg/l	0.37	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
27.	Manganese (as Mn)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Aluminum (as Al)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Barium (as Ba)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)

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

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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Issue Date: 02.07.2018





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## Test Report

Report Code: WW20250722-001(B)

Issue Date: 22.07.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 18.07.2025

Analysis Duration: 18.07.2025 to 21.07.2025

Sample Description: Waste Water- STP Outlet

### RESULTS

(Waste Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 18.07.2025  
Sampling Location : STP-Project Site  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/JULY/WW-01

S. No.	Parameters	Units	Permissible Limit as per Gazette No. 843: 2017	Results	Test Method
1.	Total Coliform	MPN/100ml	--	1600	APHA 24th Edition 9221-B: 2023
2.	Fecal Coliform	MPN/100ml	Max. 1000	680	APHA 24th Edition 9221-E: 2023

\*\*End of Report\*\*

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

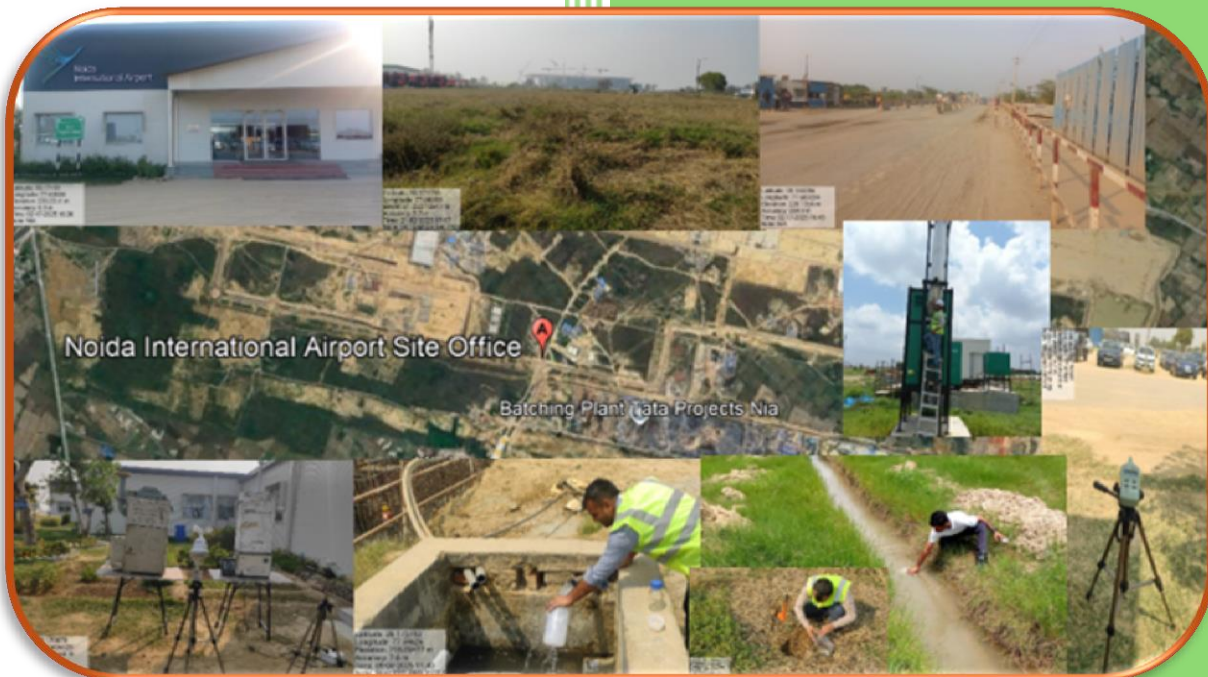
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4. The MU will be reported in the test report only on the request of customer.  
5. The samples received for chemical testing shall be destroyed after 30 days from the date of issue of the report unless specified otherwise and samples for biological testing will be destroyed after 7 days of issue of test report.

# POST EC BASELINE ENVIRONMENTAL QUALITY MONITORING REPORT FOR

***M/S. YAMUNA INTERNATIONAL AIRPORT PRIVATE LIMITED***

**Administrative Office, Noida International Airport (NIA),  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135.**

**| AUGUST- 2025 |**



**Submitted By:**



**GRC INDIA TRAINING & ANALYTICAL LABORATORY,  
(A Unit of GRC India Private Limited)**

**NABL Accredited & MoEF&CC Recognized Environmental Laboratory**

**F-375, Sector-63, Noida, U.P.-201301**

**Ph.: 0120- 4044630, (+91) 9013385810**

**Email: [lab@grc-india.com](mailto:lab@grc-india.com); Website: <http://www.grc-india.com>**

# **ANNEXURE-I**

## **(TEST REPORTS)**



# GRC INDIA TRAINING & ANALYTICAL LABORATORY

(A unit of Grass Roots Research & Creation India (P) Ltd.)

An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 (OH&S) Certified

NABL Accredited Laboratory (A Constituent Board of QCI), TC 7501 (Chemical & Biological)

Recognized by Ministry of Environment, Forest & Climate Change (MoEF&CC, GOI) under the E(P) Act, 1986

Head Office: F-375, Sector-63, Noida, Gautam Budh Nagar, U.P. - 201301

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## Test Report

Report Code: A20250809-001-01

Issue Date: 09.08.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Analysis Duration: 06.08.2025 to 08.08.2025

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/AUG/A001

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date of Monitoring	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg/m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m³
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	05.08.2025	76.7	43.6	8.9	19.3	190	<0.1	<1.0	<1.0

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

Reviewed By

Harinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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### Test Report

**Report Code: A20250809-001-01**

**Issue Date: 09.08.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited

**Analysis Duration:** 06.08.2025 to 08.08.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-201315

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/AUG/A001

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date of Monitoring	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	05.08.2025	<1.0

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

Reviewed By



GRC-LAB/QF-039

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## Test Report

Report Code: A20250809-001-02

Issue Date: 09.08.2025

Issued To: M/s. Yamuna International Airport Private Limited

Analysis Duration: 06.08.2025 to 08.08.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near Batching Plant- Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/AUG/A002

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date of Monitoring	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	05.08.2025	80.5	45.4	9.3	20.7	210	<0.1	<1.0	<1.0

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

Reviewed By



GRC-LAB/QF-039

Rev:00

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### Test Report

**Report Code: A20250809-001-02**

**Issue Date: 09.08.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited

**Analysis Duration:** 06.08.2025 to 08.08.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-201315

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	: Near Project Site Batching Plant
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/AUG/A002

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date of Monitoring	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	05.08.2025	<1.0

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

Reviewed By

Arinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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## Test Report

Report Code: A20250825-001-03

Issue Date: 25.08.2025

Issued To: M/s. Yamuna International Airport Private Limited

Analysis Duration: 21.08.2025 to 23.08.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/AUG/A003

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date of Monitoring	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	20.08.2025	78.6	44.9	7.9	18.5	180	<0.1	<1.0	<1.0

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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### Test Report

**Report Code: A20250825-001-03**

**Issue Date: 25.08.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited

**Analysis Duration:** 21.08.2025 to 23.08.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	: Near NIA Office-Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/AUG/A003

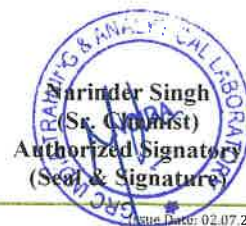
#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date of Monitoring	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	20.08.2025	<1.0

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

Reviewed By



GRC-LAB/QF-039

Rev.:00

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## Test Report

Report Code: A20250825-001-04

Issue Date: 25.08.2025

Issued To: M/s. Yamuna International Airport Private Limited

Analysis Duration: 21.08.2025 to 23.08.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-203135

Sample Description: Ambient Air

### SAMPLING DETAILS

Sampling Location	: Near Batching Plant- Project Site
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 24 Hours
Sampling Duration for CO	: 1 Hour
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/AUG/A004

### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date of Monitoring	Test Parameters							
		Particulate Matter (PM <sub>10</sub> ); µg/m³	Particulate Matter (PM <sub>2.5</sub> ); µg/m³	Sulphur Dioxide (SO <sub>2</sub> ); µg/m³	Nitrogen Dioxide (NO <sub>2</sub> ); µg/m³	Carbon Monoxide (CO); µg/m³	Lead (pb); µg/m³	Ammonia (NH <sub>3</sub> ); µg /m³	Benzene (C <sub>6</sub> H <sub>6</sub> ); µg/m3
		IS 5182 (Part 23): 2006 (RA 2022)	IS 5182 (Part 24): 2019 (RA 2024)	IS 5182 (Part 2/Sec-1): 2023	IS 5182 (Part 6): 2006 (RA 2022)	IS 5182 (Part 10): 1999 (RA 2019)	IS 5182 (Part 22): 2004 (RA 2019)	IS 5182 (Part 25): 2018	IS 5182 (Part 11): 2006 (RA 2022)
National Ambient Air Quality Standards (2009)		100	60	80	80	4000	1	400	5
1	20.08.2025	82.1	47.5	9.8	22.4	230	<0.1	<1.0	<1.0

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

Reviewed By



GRC-LAB/QF-039

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### Test Report

**Report Code: A20250825-001-04**

**Issue Date: 25.08.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited

**Analysis Duration:** 21.08.2025 to 23.08.2025

Administrative Office, Noida International Airport,

Kishorepur, Gautam Buddha Nagar, Jewar Uttar Pradesh-201315

**Sample Description:** Ambient Air

#### SAMPLING DETAILS

Sampling Location	: Near Project Site Batching Plant
Sample Collected by	: Mr. Maan Singh
Sampling Protocol	: GRC/LAB/STP/AIR/01: 2018
Weather Condition	: Clear Sky
Sampling Duration	: 4 Hours
Sampler Installation Height	: 4.0 Meter above Ground Level
Sample Packing & Marking	: Plastic Bottle/ Zip Polybag & NIA/AUG/A004

#### RESULTS

(Ambient Air Quality Analysis)

S. No.	Date of Sampling	Test Parameters
		Methane (CH <sub>4</sub> ); µg/m <sup>3</sup>
		GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020
1	20.08.2025	<1.0

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

Reviewed By

GRC-LAB/QF-039

Rev.:00

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## Test Report

**Report Code: N20250807-001-01**

**Issue Date: 07.08.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

**Monitoring Data Received on: 06.08.2025**

**Sample Description:** Ambient Noise

### RESULTS

**(Ambient Noise Monitoring Data)**

#### SAMPLING DETAILS

**Date of Monitoring** : 05.08.2025  
**Monitoring Done by** : Mr. Maan Singh  
**Monitoring Protocol** : IS 9989: 1981, RA 2023  
**Weather Condition** : Clear Sky  
**Monitoring Duration** : 24 Hours

S. No.	Location	Zone	Noise Levels, Leq, dB (A)		Observed Noise Levels, Leq, dB (A)	
			Day Time*	Night Time**	Day Time*	Night Time**
1	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}					
	Near NIA Office-Project Site	Airport Area	70	65	57.8	48.9
2	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}					
	Near Batching Plant- Project Site	Airport Area	70	65	63.5	53.7
* Day Time		6.00 AM to 10.00 PM				
**Night Time		10.00 PM to 6.00 AM				

**Note:** The detailed Noise monitoring data is enclosed as *Annexure-2*

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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4. The MU will be reported in the test report only on the request of customer.  
5. The samples received for chemical testing shall be destroyed after 30 days from the date of issue of the report unless specified otherwise and samples for biological testing will be destroyed after 7 days of issue of report.



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### ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Data Received On: 06.08.2025

Monitoring Location: NIA Office- Project Site

Sample Description: Ambient Noise

#### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	53.2	56.1	55.8	56.3	54.9	55.6	57.2	57.3	56.8	57.6	62.9	63.7	54.6	53.1	54.5	56.2
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	53.1	53.9	57.8	60.3	63.7	56.6	56.2									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	48.6	49.9	49.6	48.9	49.6	48.9	46.3	48.6								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	46.3	47.9	48.9	49.7	49.9	48.8	48.9									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	56.6	48.8	63.7	46.3	57.8	48.9										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)





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### ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-201315.

Monitoring Data Received On: 06.08.2025

Monitoring Location: Near Batching Plant- Project Site

Sample Description: Ambient Noise

#### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	61.4	58.9	62.6	67.3	63.6	65.3	64.2	64.7	67.9	60.1	59.5	63.2	65.2	60.6	57.3	56.3
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	56.3	58.1	63.5	66.3	67.9	62.4	62.9									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	55.9	51.6	54.9	51.6	54.9	52.9	52.6	53.3								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	51.6	51.6	53.7	55.2	55.9	53.5	53.1									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	62.4	53.5	67.9	51.6	63.5	53.7										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

## Test Report

**Report Code: N20250822-001-02**

**Issue Date: 22.08.2025**

**Issued To:** M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

**Monitoring Data Received on:** 21.08.2025

**Sample Description:** Ambient Noise

### RESULTS

(Ambient Noise Monitoring Data)

#### SAMPLING DETAILS

**Date of Monitoring** : 20.08.2025  
**Monitoring Done by** : Mr. Maan Singh  
**Monitoring Protocol** : IS 9989: 1981, RA 2023  
**Weather Condition** : Clear Sky  
**Monitoring Duration** : 24 Hours

S. No.	Location	Zone	Noise Levels, Leq, dB (A)		Observed Noise Levels, Leq, dB (A)	
			Day Time*	Night Time**	Day Time*	Night Time**
1	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}					
	Near NIA Office-Project Site	Airport Area	70	65	58.3	49.6
2	Prescribed Limit {As per Airport Standard Notification, E-413, 2018}					
	Near Batching Plant- Project Site	Airport Area	70	65	62.7	52.4
* Day Time		6.00 AM to 10.00 PM				
**Night Time		10.00 PM to 6.00 AM				

**Note:** The detailed Noise monitoring data is enclosed as Annexure-2

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

Reviewed By

Varinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)





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### ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135.

Monitoring Data Received On: 21.08.2025

Monitoring Location: NIA Office- Project Site

Sample Description: Ambient Noise

#### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	58.1	57.5	56.4	57.2	53.8	60.6	58.2	62.3	54.8	60.1	55.7	61.2	54.8	58.9	54.4	57.6
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	53.8	54.6	58.3	60.9	62.3	57.6	57.6									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	50.4	49.4	51.2	51.2	46.5	48.2	50.3	48.2								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	46.5	47.7	49.7	51.2	51.2	49.4	49.9									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	59.8	42.9	72.5	40.5	66.5	49.7										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)



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### ANNEXURE-2

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-201315.

Monitoring Data Received On: 21.08.2025

Monitoring Location: Near Batching Plant- Project Site

Sample Description: Ambient Noise

#### Computation Data- Ambient Noise

Day Time (6:00 Am to 10:00 Pm)	N <sub>6</sub>	N <sub>7</sub>	N <sub>8</sub>	N <sub>9</sub>	N <sub>10</sub>	N <sub>11</sub>	N <sub>12</sub>	N <sub>13</sub>	N <sub>14</sub>	N <sub>15</sub>	N <sub>16</sub>	N <sub>17</sub>	N <sub>18</sub>	N <sub>19</sub>	N <sub>20</sub>	N <sub>21</sub>
Noise Measurement (dB)	63.8	62.4	62.1	59.8	62.9	63.8	61.7	59.9	65.4	64.8	58.6	57.9	65.9	59.8	63.2	62.9
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	57.9	59.2	62.8	65.1	65.9	62.2	62.7									
Night Time (10:00 Pm to 6:00 Am)	N <sub>22</sub>	N <sub>23</sub>	N <sub>24</sub>	N <sub>1</sub>	N <sub>2</sub>	N <sub>3</sub>	N <sub>4</sub>	N <sub>5</sub>								
Noise Measurement (dB)	54.2	52.3	51.7	53.2	54.2	50.2	51.9	49.5								
	L <sub>min</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>10</sub>	L <sub>max</sub>	L <sub>day</sub>	L <sub>50</sub>									
	49.5	50.0	52.4	54.2	54.2	52.2	52.1									
Noise Measurement Results for 24 Hrs.	L <sub>day</sub>	L <sub>nht</sub>	L <sub>max</sub>	L <sub>min</sub>	L <sub>eq D</sub>	L <sub>eq N</sub>										
	51.1	37.7	56.7	35.3	52.7	52.4										

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)



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## Test Report

Report Code: SN20250822-001

Issue Date: 22.08.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Monitoring Data Received on: 21.08.2025

Sample Description: DG Noise

### RESULTS

(DG Set Noise Monitoring Data)

#### SAMPLING DETAILS

Date of Monitoring	: 20.08.2025
DG Set Installation Location	: DG Set installed at Near DC Plant-Project Site
Monitoring Done by	: Mr. Maan Singh
Monitoring Protocol	: IS 4758: 1968, RA 2017
Weather Condition	: Clear Sky
Monitoring Duration	: 15 Minutes
DG Set Capacity	: 380 KVA
DG Set Make, Model & Type	: Cummins CJ380D5P
Acoustic Enclosure Installed	: Yes

S. No.	Parameter	Unit	Result	Permissible Limit {As per Noise Limit for Generator set run with Diesel Notification, GSR-371(E), 2002, Amend. 2011}
1	Sound Pressure Level	dB(A)	71.3	Max. 75

Note: Monitoring has been done from 01 meter away from the acoustic enclosure surface of the DG Set.

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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Rev:00

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### Test Report

Report Code: ST20250822-001

Issue Date: 22.08.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar,  
Jewar, Uttar Pradesh-203135

Analysis Duration: 20.08.2025 to 21.08.2025

Sample Description: Stack Emission (DG Set-01)

### RESULTS

(Stack Emission Quality Analysis)

#### SAMPLING DETAILS

Source of Emission	: DG Stack-01
Stack Attached to	: DG Set 380 KVA (After Retrofit Emission Control Device)
D.G. Details (Make/Model)	: Cummins; CJ380D5P
DG Capacity (KVA)	: 380 KVA
Stack Inner Diameter (m)	: 0.30
Date of Monitoring	: 20.08.2025
Monitoring Done by	: Mr. Maan Singh
Weather Condition	: Clear Sky
Sampling Protocol	: GRC/LAB/STP/STACK/01:2018
Sampling Duration (minutes)	: 42
Type of Fuel	: HSD
Type of Stack	: M.S./ Vertical
Ambient Temperature (°C)	: 35.0
Sample Packing	: Zip Polybag

S. No.	Parameters	Units	Results	Emission Standard (As per Notification No. 716-2022), g/kW-h	Test method
1.	Temperature	K	388.0	--	IS 11255 (Part-1):1985, RA 2019
2.	Velocity	m/s	12.7	--	IS 11255 (Part-3): 2008, RA 2019
3.	Flow Rate	L/min	16.0	--	IS 11255 (Part-3): 2008, RA 2019
4.	Particulate Matter (PM)	g/kW-hr	0.015	0.02	IS 11255 (Part-1):1985, RA 2019
5.	Oxide of Nitrogen (NO <sub>2</sub> )	g/kW-hr	0.028	0.40	GRC -LAB/STP -STACK/01: Issue No. 02, Issue Date: 2018
6.	Carbon Monoxide (CO)	g/kW-hr	0.017	3.5	GRC -LAB/STP -STACK/01: Issue No. 02, Issue Date: 2018
7.	Hydrocarbons (HC)	g/kW-hr	0.005	0.19	GRC -LAB/STP -STACK/01: Issue No. 02, Issue Date: 2018

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

Narender Singh (Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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4. The samples received shall be destroyed after 30 days from the date of issue of the report unless specified otherwise and sample for biological testing will be destroyed after 7 days of





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## Test Report

Report Code: W20250814-001-01(A)

Issue Date: 14.08.2025

Issued To: M/s. Yamuna International Airport Private Limited  
Administrative Office, Noida International Airport  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 06.08.2025  
Analysis Duration: 07.08.2025 to 13.08.2025

Sample Description: Drinking Water

## RESULTS

(Water Quality Analysis)

### SAMPLING DETAILS

Date of Sampling : 06.08.2025  
Sampling Location : Near Batching Plant- Project Site  
Sample Collected by : Mr. Maan Singh  
Sampling Protocol : IS 17614 (Part-1): 2021  
Weather Condition : Clear Sky  
Sample Quantity : 2 Liter  
Sample Packing & Marking : Plastic Bottle & NIA/AUG/DW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	<1.0	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	7.53	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	143	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	46	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	72	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	14	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	0.21	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	11.0	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	4.5	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	12	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.13	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021
16.	Iron (as Fe)	mg/l	0.3	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023(ICP-ES)

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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## Test Report

Report Code: W20250814-001-01(A)

Issue Date: 14.08.2025

17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68): 2019, RA 2023
36.	Electrical Conductivity	μS/cm	---	---	217	IS 3025 (Part-14): 2013, RA 2023

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

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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## Test Report

Report Code: W20250811-001(B)

Issue Date: 11.08.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 06.08.2025  
Analysis Duration: 07.08.2025 to 10.08.2025

Sample Description: Water

## RESULTS

(Water Quality Analysis)

### SAMPLING DETAILS

Date of Sampling : 06.08.2025  
Sampling Location : Near Batching Plant- Project Site  
Sample Collected by : Mr. Sonu Sen  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/AUG/W-01

S. No.	Parameters	Units	Results	Test Method
1.	Total Coliform	MPN/100ml	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	<2 (Absent)	IS 1622: 1981, RA 2019

\*\*End of Report\*\*

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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## Test Report

Report Code: DW20250814-002(A)

Issue Date: 14.08.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 06.08.2025  
Analysis Duration: 07.08.2025 to 13.08.2025

Sample Description: Drinking Water

### RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 06.08.2025
Sampling Location	: NIA Office - Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-1): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/AUG/DW-02

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	<1.0	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	6.86	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	146	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	83	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	76.7	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	24	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	0.2	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	20	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	8.0	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	12	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.11	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021
16.	Iron (as Fe)	mg/l	0.3	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-Fe: 2023 (ICP-OES)

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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## Test Report

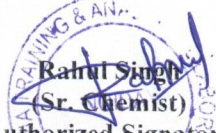
Report Code: DW20250814-002(A)

Issue Date: 14.08.2025

17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES-VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68): 2019, RA 2023
36.	Electrical Conductivity	µS/cm	---	---	220	IS 3025 (Part-14): 2013, RA 2023

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

Reviewed By

  
Rakesh Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

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## Test Report

Report Code: W20250811-002(B)

Issue Date: 11.08.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 06.08.2025  
Analysis Duration: 07.08.2025 to 10.08.2025

Sample Description: Water

### RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 06.08.2025
Sampling Location	: NIA Office Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-25): 2022
Weather Condition	: Clear Sky
Sample Quantity	: 0.4 Liter
Sample Packing & Marking	: Sterile Glass Bottle & NIA/AUG/W-02

S. No.	Parameters	Units	Results	Test Method
1.	Total Coliform	MPN/100ml	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	<2 (Absent)	IS 1622: 1981, RA 2019

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

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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## Test Report

Report Code: GW20250814-001(A)

Issue Date: 14.08.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 06.08.2025

Analysis Duration: 07.08.2025 to 13.08.2025

Sample Description: Ground Water

## RESULTS

(Water Quality Analysis)

### SAMPLING DETAILS

Date of Sampling	: 06.08.2025
Sampling Location	: Near PTB- Project site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-1): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/AUG/GW-01

S. No.	Parameters	Units	Requirements (as per IS 10500: 2012, RA 2023)		Results	Test Method
			Desirable Limit	Permissible Limit		
1.	Colour	CU	5	15	<5.0	IS 3025 (Part-4): 2021
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3.	Turbidity	NTU	1	5	1	IS 3025 (Part-10): 2023
4.	pH	-	6.5-8.5	No Relaxation	8.03	IS 3025 (Part-11): 2022
5.	Total Dissolved Solids (TDS)	mg/l	500	2000	2097	IS 3025 (Part-16): 2023
6.	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	240	IS 3025 (Part-21): 2009, RA 2023
7.	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	503	IS 3025 (Part-23): 2023
8.	Chlorides (as Cl)	mg/l	250	1000	331	IS 3025 (Part-32): 1988, RA 2019
9.	Fluoride (as F)	mg/l	1	1.5	0.69	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10.	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	58.0	IS 3025 (Part-40): 2024
11.	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	23.0	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12.	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	587	IS 3025 (Part-24/Sec-1): 2022
13.	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	12.9	IS 3025 (Part-34/Sec-1): 2023
14.	Ammonia (as NH <sub>3</sub> )	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1	<0.1	IS 3025 (Part-26): 2021

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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## Test Report

Report Code: GW20250814-001(A)

Issue Date: 14.08.2025

16.	Iron (as Fe)	mg/l	0.3	No Relaxation	0.23	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
17.	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Barium (as Ba)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	0.5	1	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23.	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24.	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26.	Arsenic (as As)	mg/l	0.01	0.05	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
27.	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Cyanide (as CN)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
30.	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31.	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
32.	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33.	Sulphide (as S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34.	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35.	Anionic Detergent (as MBAS)	mg/l	0.2	1	<0.01	IS 3025 (Part-68): 2019, RA 2023
36.	Electrical Conductivity	µS/cm	---	---	3150	IS 3025 (Part-14): 2013, RA 2023

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

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

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NABL Accredited Laboratory (TC 7501- Chemical & Biological)  
Recognized by Ministry of Environment, Forest & Climate Change (MoEF&CC, GOI), under the E (P) Act, 1986  
Head Office: F-375, Sector-63, Noida, Gautam Budh Nagar, U.P - 201 301  
Phone No.: 0120 - 4044630, 4044660; Fax: 0120 - 2406519, 0120 - 4044675  
Website: <https://www.grc-india.com>, E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com)



## Test Report

Report Code: GW20250811-001(B)

Issue Date: 11.08.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 06.08.2025

Analysis Duration: 07.08.2025 to 10.08.2025

Sample Description: Ground Water

## RESULTS

### (Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 06.08.2025  
Sampling Location : Near PTB- Project site  
Sample Collected by : Mr. Sonu Sen  
Sampling Protocol : IS 17614 (Part-25): 2022  
Weather Condition : Clear Sky  
Sample Quantity : 0.4 Liter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/AUG/GW-01

S. No.	Parameters	Units	Results	Test Method
1.	Total Coliform	MPN/100ml	<2 (Not Detected)	IS 1622: 1981, RA 2019
2.	<u>E. coli</u>	MPN/100ml	<2 (Absent)	IS 1622: 1981, RA 2019

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

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

Issue Date: 02.07.2018

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Website: <https://www.grc-india.com>; E-mail: [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com)



## Test Report

Report Code: WW20250814-001(A)

Issue Date: 14.08.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 06.08.2025  
Analysis Duration: 07.08.2025 to 13.08.2025

Sample Description: Waste Water- STP Outlet

## RESULTS

(Waste Water Quality Analysis)

### SAMPLING DETAILS

Date of Sampling	: 06.08.2025
Sampling Location	: STP-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-10): 2021
Weather Condition	: Clear Sky
Sample Quantity	: 2 Liter
Sample Packing & Marking	: Plastic Bottle & NIA/AUG/WW-01

S. No.	Parameters	Units	Results	Requirements as per Gazette No. 843: 2017	Test Method
				Permissible Limit	
1.	pH Value	-	8.95	5.5 - 9.0	IS 3025 (Part-11): 2022
2.	Total Suspended Solids (TSS)	mg/l	13.0	Max. 50	IS 3025 (Part-17): 2022
3.	Biochemical Oxygen Demand (BOD) for 3 Days at 27°C	mg/l	12.5	Max. 20	IS 3025 (Part-44): 2023
4.	Chemical Oxygen Demand (COD)	mg/l	40.0	--	IS 3025 (Part-58): 2023
5.	Specific Conductivity	µS/cm	3980	--	IS 3025 (Part-14): 2013, RA 2023
6.	Calcium (as Ca <sup>2+</sup> )	mg/l	124	--	IS 3025 (Part-40): 2024
7.	Magnesium (as Mg <sup>2+</sup> )	mg/l	50.0	--	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
8.	Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/l	0.8	--	IS 3025 (Part-34/Sec-1): 2023
9.	Total Kjeldal Nitrogen (as N)	mg/l	1.3	--	IS 3025 (Part-34/Sec-1): 2023
10.	Oil & Grease	mg/l	<4	--	IS 3025 (Part-39): 2021
11.	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	<0.1	--	IS 3025 (Part-26): 2021
12.	Sulphide (as S)	mg/l	0.2	--	IS 3025 (Part-29): 2022
13.	Sodium (as Na)	mg/l	56.0	--	IS 3025 (Part-45): 2024
14.	Potassium (as K)	mg/l	13.5	--	IS 3025 (Part-45): 2024
15.	Cyanide (as CN)	mg/l	<0.01	--	IS 3025 (Part-27/Sec-1): 2021

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev:00

Issue Date: 02.07.2018

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## Test Report

Report Code: WW20250814-001(A)

Issue Date: 14.08.2025

16.	Lead (as Pb)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
17.	Total Chromium (as Cr)	mg/l	<0.1	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18.	Copper (as Cu)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19.	Zinc (as Zn)	mg/l	0.53	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20.	Nickel (as Ni)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
21.	Boron (as B)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22.	Arsenic (as As)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
23.	Mercury (as Hg)	mg/l	<0.001	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24.	Cadmium (as Cd)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25.	Selenium (as Se)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
26.	Iron (as Fe)	mg/l	0.23	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
27.	Manganese (as Mn)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28.	Aluminum (as Al)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29.	Barium (as Ba)	mg/l	<0.01	--	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)

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

Reviewed By

Rahul Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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## Test Report

Report Code: WW20250811-001(B)

Issue Date: 11.08.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar  
Uttar Pradesh-203135

Sample Received On: 06.08.2025

Analysis Duration: 07.08.2025 to 10.08.2025

Sample Description: Waste Water- STP Outlet

### RESULTS

(Waste Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling	: 06.08.2025
Sampling Location	: STP-Project Site
Sample Collected by	: Mr. Sonu Sen
Sampling Protocol	: IS 17614 (Part-25): 2022
Weather Condition	: Clear Sky
Sample Quantity	: 0.4 Liter
Sample Packing & Marking	: Sterile Glass Bottle & NIA/AUG/WW-01

S. No.	Parameters	Units	Permissible Limit as per Gazette No. 843: 2017	Results	Test Method
1.	Total Coliform	MPN/100ml	--	960	APHA 24th Edition 9221-B: 2023
2.	Fecal Coliform	MPN/100ml	Max. 1000	380	APHA 24th Edition 9221-E: 2023

\*\*End of Report\*\*

Reviewed By

Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

GRC-LAB/QF-039

Rev.:00

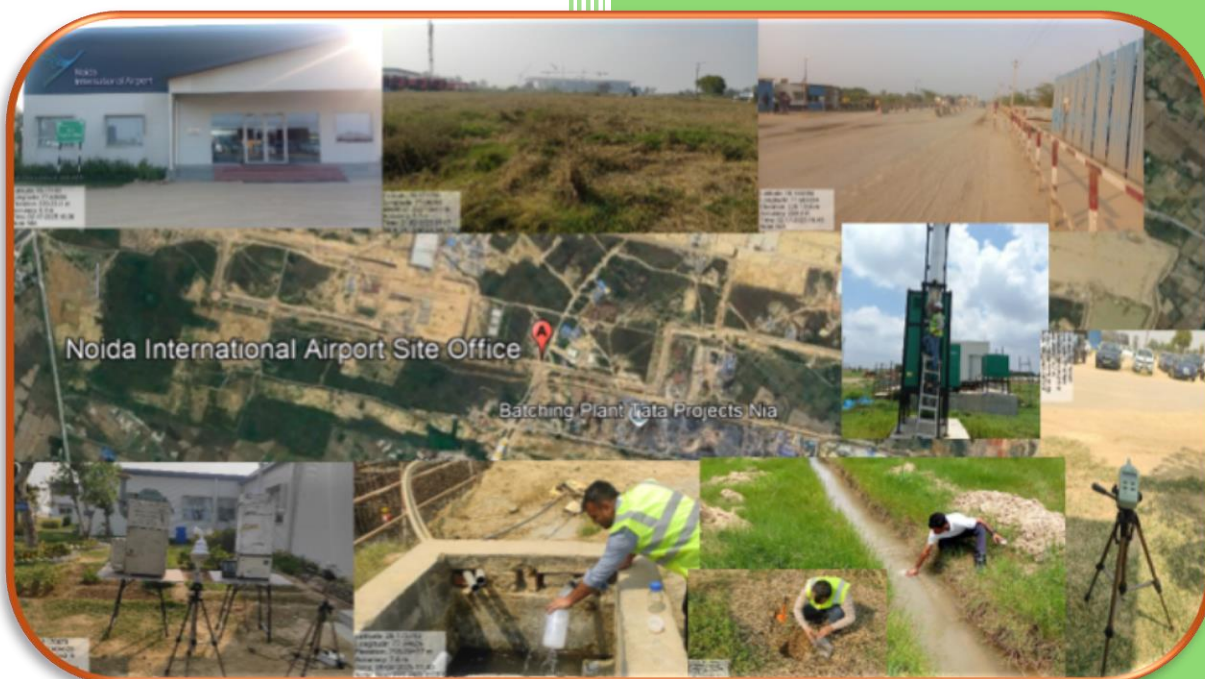
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# POST EC BASELINE ENVIRONMENTAL QUALITY MONITORING REPORT FOR

***M/s. YAMUNA INTERNATIONAL AIRPORT PRIVATE LIMITED***

**Administrative Office, Noida International Airport (NIA),  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135.**

**SEPTEMBER- 2025**



**Submitted By:**

**GRC INDIA TRAINING & ANALYTICAL LABORATORY,  
(A Unit of GRC India Private Limited)**

**NABL Accredited & MoEF&CC Recognized Environmental Laboratory**

**F-375, Sector-63, Noida, U.P.-201301**

**Ph.: 0120- 4044630, (+91) 9013385810**

**Email: [lab@grc-india.com](mailto:lab@grc-india.com); Website: <http://www.grc-india.com>**

# **ANNEXURE-I**

## **(TEST REPORTS)**





GRC India

# GRC INDIA TRAINING & ANALYTICAL LABORATORY (A unit of Grass Roots Research & Creation India (P) Ltd.)

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Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>



## Test Report

ULR No.: TC750125000000217F  
Report Code: A20250920-00000217

Issue Date: 20.09.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

Sample Received On : 17.09.2025  
Analysis Duration : 17.09.2025 to 20.09.2025

Sample Description: Ambient Air Sample

### TEST RESULTS (Ambient Air Quality Analysis)

#### SAMPLING DETAILS

Dates of Monitoring : 16-09-2025 to 17-09-2025  
Monitoring/ Sampling Location : Near NIA Office-Project Site  
Sample Collected by : Mr. Maan Singh  
Monitoring/ Sampling Protocol : GRC/LAB/STP/AIR/01, Issue No.-01, Issue date: 02.07.2018  
Environmental Conditions : Clear Sky  
Sampling Duration : 24 Hours except \*CO  
Sampler Installation Height : 4 meter above from Ground level  
Sample Packing & Marking : Plastic Bottles and Zip Bag & NIA/SEPT/AAQ-01



Click to download Report

S. No.	Parameters	Units	National Ambient Air Quality Standards (2009)	Results	Test Method
			Max. Concentration		
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	100	75.7	IS 5182 (Part 23): 2006, RA 2022
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	60	44.2	IS 5182 (Part 24): 2019, RA 2024
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	8.7	IS 5182 (Part 2/Sec 1): 2023
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	80	17.8	IS 5182 (Part 6): 2006, RA 2022
5	*Carbon Monoxide (CO)	µg/m <sup>3</sup>	4000	200	IS 5182 (Part 10): 1999, RA 2019
6	Metal in Particulate Matter- Lead (Pb)	µg/m <sup>3</sup>	1	<0.001	IS 5182 (Part 22): 2004, RA 2019
7	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	400	<1.0	IS 5182 (Part 25): 2018
8	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	5	<1.0	IS 5182 (Part 11): 2006, RA 2022

Note: \*Sampling Duration for Carbon Monoxide (CO) is 01 Hours

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

Reviewed By

TRAINING & ANALYTICAL LABORATORY  
Noida  
Narinder Singh  
Sr. Chemist  
Authorized Signatory  
(Seal & Signature)

#### Note:

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GRC India

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### Test Report

Report Code: A20250920-024

Issue Date: 20.09.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-201315

Sample Received On : 17.09.2025  
 Analysis Duration : 17.09.2025 to 20.09.2025

Sample Description: Ambient Air Sample

### TEST RESULTS

(Ambient Air Quality Analysis)

#### SAMPLING DETAILS

Date of Monitoring : 16.09.2025 To 17.09.2025  
 Monitoring/ Sampling Location : Near NIA Office-Project Site  
 Sample Collected by : Mr. Maan Singh  
 Monitoring/ Sampling Protocol : GRC/LAB/STP/AIR/01, Issue No. 01, Issue date: 02.07.2018  
 Environmental Conditions : Clear Sky  
 Sampling Duration : 8 hours  
 Sampler Installation Height : 4 meter above Ground level  
 Sample Packing & Marking : Tedlar Bag & NIA/SEPT/AAQ-01

S. No.	Parameters	Units	Results	Test Method
1	Methane (CH <sub>4</sub> )	µg/m <sup>3</sup>	<1.0	GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020

\*\*End of Report\*\*

  
 Reviewed By



Narinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)

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GRC India

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F-375, Sector-63, Noida, Gautam Budh Nagar, U.P. – 201301  
Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report****ULR No.: TC750125000000218F**  
**Report Code: A20250920-00000218****Issue Date: 20.09.2025****Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**Sample Received On** : 17.09.2025  
**Analysis Duration** : 17.09.2025 to 20.09.2025**Sample Description:** Ambient Air Sample**TEST RESULTS****(Ambient Air Quality Analysis)****SAMPLING DETAILS**

Dates of Monitoring : 16-09-2025 to 17-09-2025  
 Monitoring/ Sampling Location : Village Dayanatpur  
 Sample Collected by : Mr. Maan Singh  
 Monitoring/ Sampling Protocol : GRC/LAB/STP/AIR/01, Issue No.-01, Issue date: 02.07.2018  
 Environmental Conditions : Clear Sky  
 Sampling Duration : 24 Hours except \*CO  
 Sampler Installation Height : 4 meter above from Ground level  
 Sample Packing & Marking : Plastic Bottles and Zip Bag & NIA/SEPT/AAQ-02

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S. No.	Parameters	Units	National Ambient Air Quality Standards (2009)	Results	Test Method
			Max. Concentration		
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	100	61.4	IS 5182 (Part 23): 2006, RA 2022
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	60	32.7	IS 5182 (Part 24): 2019, RA 2024
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	6.5	IS 5182 (Part 2/Sec 1): 2023
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	80	13.3	IS 5182 (Part 6): 2006, RA 2022
5	*Carbon Monoxide (CO)	µg/m <sup>3</sup>	4000	180	IS 5182 (Part 10): 1999, RA 2019
6	Metal in Particulate Matter- Lead (Pb)	µg/m <sup>3</sup>	1	<0.001	IS 5182 (Part 22): 2004, RA 2019
7	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	400	<1.0	IS 5182 (Part 25): 2018
8	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	5	<1.0	IS 5182 (Part 11): 2006, RA 2022

**Note:** \*Sampling Duration for Carbon Monoxide (CO) is 01 Hours**\*\*End of Report\*\***
  
**Reviewed By**
  
**Harinder Singh**  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)
**Note:**

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### Test Report

Report Code: A20250920-025

Issue Date: 20.09.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

Sample Received On : 17.09.2025  
 Analysis Duration : 17.09.2025 to 20.09.2025

Sample Description: Ambient Air Sample

### TEST RESULTS

(Ambient Air Quality Analysis)

#### SAMPLING DETAILS

Date of Monitoring : 16.09.2025 To 17.09.2025  
 Monitoring/ Sampling Location : Village Dayanatpur  
 Sample Collected by : Mr. Maan Singh  
 Monitoring/ Sampling Protocol : GRC/LAB/STP/AIR/01, Issue No. 01, Issue date: 02.07.2018  
 Environmental Conditions : Clear Sky  
 Sampling Duration : 8 hours  
 Sampler Installation Height : 4 meter above Ground level  
 Sample Packing & Marking : Tedlar Bag & NIA/SEPT/AAQ-02

S. No.	Parameters	Units	Results	Test Method
1	Methane (CH <sub>4</sub> )	µg/m <sup>3</sup>	<1.0	GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020

\*\*End of Report\*\*

  
 Reviewed By



Narinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)

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Doc. No.: GRC-LAB/QF-039

Revision No.: 01

Revision Date: 01.09.2025

Issue No.: 02

Issue Date: 03.09.2025





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Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report****ULR No.: TC750125000000526F**  
**Report Code: A20251001-00000526****Issue Date: 01.10.2025****Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**Sample Received On** : 26.09.2025  
**Analysis Duration** : 26.09.2025 to 29.09.2025**Sample Description:** Ambient Air Sample**TEST RESULTS**

(Ambient Air Quality Analysis)

**SAMPLING DETAILS**

Dates of Monitoring : 25-09-2025 to 26-09-2025  
 Monitoring/ Sampling Location : Near NIA Office-Project Site  
 Sample Collected by : Mr. Maan Singh  
 Monitoring/ Sampling Protocol : GRC/LAB/STP/AIR/01, Issue No.-01, Issue date: 02.07.2018  
 Environmental Conditions : Clear Sky  
 Sampling Duration : 24 Hours except \*CO  
 Sampler Installation Height : 4 meter above from Ground level  
 Sample Packing & Marking : Plastic Bottles and Zip Bag & NIA/SEPT/AAQ-01



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S. No.	Parameters	Units	National Ambient Air Quality Standards (2009)	Results	Test Method
			Max. Concentration		
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	100	78.9	IS 5182 (Part 23): 2006, RA 2022
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	60	46.7	IS 5182 (Part 24): 2019, RA 2024
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	8.9	IS 5182 (Part 2/Sec 1): 2023
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	80	18.7	IS 5182 (Part 6): 2006, RA 2022
5	*Carbon Monoxide (CO)	µg/m <sup>3</sup>	4000	210	IS 5182 (Part 10): 1999, RA 2019
6	Metal in Particulate Matter- Lead (Pb)	µg/m <sup>3</sup>	1	<0.001	IS 5182 (Part 22): 2004, RA 2019
7	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	400	<1.0	IS 5182 (Part 25): 2018
8	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	5	<1.0	IS 5182 (Part 11): 2006, RA 2022

**Note:** \*Sampling Duration for Carbon Monoxide (CO) is 01 Hours**\*\*End of Report\*\***
  
**Reviewed By**
  
**Naminder Singh**  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)
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### Test Report

Report Code: A20251001-026

Issue Date: 01.10.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-201315

Sample Received On : 26.09.2025  
 Analysis Duration : 26.09.2025 to 29.09.2025

Sample Description: Ambient Air Sample

### TEST RESULTS

(Ambient Air Quality Analysis)

#### SAMPLING DETAILS

Date of Monitoring : 25.09.2025 To 26.09.2025  
 Monitoring/ Sampling Location : Near NIA Office-Project Site  
 Sample Collected by : Mr. Maan Singh  
 Monitoring/ Sampling Protocol : GRC/LAB/STP/AIR/01, Issue No. 01, Issue date: 02.07.2018  
 Environmental Conditions : Clear Sky  
 Sampling Duration : 8 hours  
 Sampler Installation Height : 4 meter above Ground level  
 Sample Packing & Marking : Tedlar Bag & NIA/SEPT/AAQ-01

S. No.	Parameters	Units	Results	Test Method
1	Methane (CH <sub>4</sub> )	µg/m <sup>3</sup>	<1.0	GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020

\*\*End of Report\*\*

  
 Reviewed By



Narinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)

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## Test Report

ULR No.: TC750125000000527F  
Report Code: A20251001-00000527

Issue Date: 01.10.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

Sample Received On : 26.09.2025  
Analysis Duration : 26.09.2025 to 29.09.2025

Sample Description: Ambient Air Sample

### TEST RESULTS (Ambient Air Quality Analysis)

#### SAMPLING DETAILS

Dates of Monitoring : 25-09-2025 to 26-09-2025  
Monitoring/ Sampling Location : Village Dayanatpur  
Sample Collected by : Mr. Maan Singh  
Monitoring/ Sampling Protocol : GRC/LAB/STP/AIR/01, Issue No.-01, Issue date: 02.07.2018  
Environmental Conditions : Clear Sky  
Sampling Duration : 24 Hours except \*CO  
Sampler Installation Height : 4 meter above from Ground level  
Sample Packing & Marking : Plastic Bottles and Zip Bag & NIA/SEPT/AAQ-02



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S. No.	Parameters	Units	National Ambient Air Quality Standards (2009)	Results	Test Method
			Max. Concentration		
1	Particulate Matter (PM <sub>10</sub> )	µg/m <sup>3</sup>	100	64.6	IS 5182 (Part 23): 2006, RA 2022
2	Particulate Matter (PM <sub>2.5</sub> )	µg/m <sup>3</sup>	60	34.8	IS 5182 (Part 24): 2019, RA 2024
3	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	80	7.1	IS 5182 (Part 2/Sec 1): 2023
4	Nitrogen Dioxide (NO <sub>2</sub> )	µg/m <sup>3</sup>	80	14.2	IS 5182 (Part 6): 2006, RA 2022
5	*Carbon Monoxide (CO)	µg/m <sup>3</sup>	4000	190	IS 5182 (Part 10): 1999, RA 2019
6	Metal in Particulate Matter- Lead (Pb)	µg/m <sup>3</sup>	1	<0.001	IS 5182 (Part 22): 2004, RA 2019
7	Ammonia (NH <sub>3</sub> )	µg/m <sup>3</sup>	400	<1.0	IS 5182 (Part 25): 2018
8	Benzene (C <sub>6</sub> H <sub>6</sub> )	µg/m <sup>3</sup>	5	<1.0	IS 5182 (Part 11): 2006, RA 2022

Note: \*Sampling Duration for Carbon Monoxide (CO) is 01 Hours

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

Reviewed By



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## Test Report

Report Code: A20251001-027

Issue Date: 01.10.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-201315

Sample Received On : 26.09.2025  
Analysis Duration : 26.09.2025 to 29.09.2025

Sample Description: Ambient Air Sample

### TEST RESULTS

(Ambient Air Quality Analysis)

#### SAMPLING DETAILS

Date of Monitoring : 25.09.2025 To 26.09.2025  
Monitoring/ Sampling Location : Village Dayanatpur  
Sample Collected by : Mr. Maan Singh  
Monitoring/ Sampling Protocol : GRC/LAB/STP/AIR/01, Issue No. 01, Issue date: 02.07.2018  
Environmental Conditions : Clear Sky  
Sampling Duration : 8 hours  
Sampler Installation Height : 4 meter above Ground level  
Sample Packing & Marking : Tedlar Bag & NIA/SEPT/AAQ-01

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S. No.	Parameters	Units	Results	Test Method
1	Methane (CH <sub>4</sub> )	µg/m <sup>3</sup>	<1.0	GRC-LAB/STP/AA-01, Issue No-01, Issue Date: 02.01.2020

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

  
Reviewed By



Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report**

ULR No.:TC750125000000219F

Report Code: N20250920-00000219

Issue Date: 20.09.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

Monitoring Data Received On : 17.09.2025

Sample Description: Ambient Noise

**TEST RESULTS**

(Ambient Noise Quality Monitoring)

**SAMPLING DETAILS**Dates of Monitoring : 16.09.2025 to 17.09.2025  
Monitoring Done by : Mr. Maan Singh  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Environmental Conditions : Clear Sky  
Monitoring Duration : 24 Hours

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S. No.	Location	Category of Zone/ Area	Prescribed Limit		Observed Noise Level, Leq, dB (A)	
			Airport Standard Notification, E-413, 2018; Leq, dB (A)			
			Day Time*	Night Time**	Day Time*	Night Time**
1.	Near NIA Office-Project Site	Airport Area	70	65	56.9	48.8

\* Day Time : 6.00 AM to 10.00 PM

\*\*Night Time : 10.00 PM to 6.00 AM

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

Reviewed By

  
 Navinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
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### ANNEXURE-I

Report Code: N20250920-00000219

**Issued To:** M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

**Sample Description:** Ambient Noise

**Monitoring Data Received On** : 17.09.2025

### TEST RESULTS

(Computation Data of Ambient Noise Quality)

#### SAMPLING DETAILS

Dates of Monitoring : 16.09.2025 to 17.09.2025  
 Monitoring Location : Near NIA Office (Project Site )  
 Monitoring Done by : Mr. Maan Singh  
 Monitoring Protocol : IS 9989: 1981, RA 2023  
 Environmental Conditions : Clear Sky  
 Monitoring Duration : 24 Hours

In Day Time (6am to 10pm)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16
Noise Level, dB	64.2	63.4	62.8	65.6	66.1	64.9	67.6	64.5	63.7	61.1	64.5	63.8	62.5	59.6	60.2	58.4

In Night (10pm to 6am)	R17	R18	R19	R20	R21	R22	R23	R24
Noise Level, dB	56.8	55.2	57.1	54.6	56.3	56.4	53.5	54.8

Noise Level Summary (24 Hours)	L <sub>Max</sub>	L <sub>Min</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>Day</sub>	L <sub>Night</sub>
	62.4	56.0	61.4	59.5	56.9	63.9	55.7

*Note: The noise measurement was conducted over a duration of 1 hour.*

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

  
 Reviewed By



Narinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)

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Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report**

ULR No.:TC750125000000220F

Report Code: N20250920-00000220

Issue Date: 20.09.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

Monitoring Data Received On : 17.09.2025

Sample Description: Ambient Noise

**TEST RESULTS**

(Ambient Noise Quality Monitoring)

**SAMPLING DETAILS**Dates of Monitoring : 16.09.2025 to 17.09.2025  
Monitoring Done by : Mr. Maan Singh  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Environmental Conditions : Clear Sky  
Monitoring Duration : 24 Hours

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S. No.	Location	Category of Zone/ Area	Prescribed Limit		Observed Noise Level, Leq, dB (A)	
			Noise Pollution (Regulation & Control) Rules, 2000; Leq, dB (A)			
			Day Time*	Night Time**	Day Time*	Night Time**
1.	Village Dayanatpur	Residential Area	55	45	48.3	40.1

\* Day Time : 6.00 AM to 10.00 PM

\*\*Night Time : 10.00 PM to 6.00 AM

**\*\*End of Report\*\***
  
Reviewed By
Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)**Note:**

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 Phone No.: 0120 - 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>

### ANNEXURE-I

Report Code: N20250920-00000220

**Issued To:** M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

**Sample Description:** Ambient Noise

**Monitoring Data Received On** : 17.09.2025

### TEST RESULTS

(Computation Data of Ambient Noise Quality)

#### SAMPLING DETAILS

Dates of Monitoring : 16.09.2025 to 17.09.2025  
 Monitoring Location : Village-Dayanathpur  
 Monitoring Done by : Mr. Maan Singh  
 Monitoring Protocol : IS 9989: 1981, RA 2023  
 Environmental Conditions : Clear Sky  
 Monitoring Duration : 24 Hours

In Day Time (6am to 10pm)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16
Noise Level, dB	6.00	7.00	8.00	9.00	10.00	11.00	12.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00

In Night (10pm to 6am)	R17	R18	R19	R20	R21	R22	R23	R24
Noise Level, dB	10.00	11.00	12.00	1.00	2.00	3.00	4.00	5.00

Noise Level Summary (24 Hours)	L <sub>Max</sub>	L <sub>Min</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>Day</sub>	L <sub>Night</sub>
	47.2	40.1	46.3	43.2	41.2	48.3	40.1

*Note: The noise measurement was conducted over a duration of 1 hour.*

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

  
 Reviewed By



Narinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)

**Note:**

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Doc. No.: GRC-LAB/QF-039

Revision No.: 01

Revision Date: 01.09.2025

Issue No.: 02

Issue Date: 03.09.2025





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Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report**

ULR No.:TC750125000000528F

Report Code: N20251001-00000528

Issue Date: 01.10.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

Monitoring Data Received On : 26.09.2025

Sample Description: Ambient Noise

**TEST RESULTS**

(Ambient Noise Quality Monitoring)

**SAMPLING DETAILS**Dates of Monitoring : 25.09.2025 to 26.09.2025  
Monitoring Done by : Mr. Maan Singh  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Environmental Conditions : Clear Sky  
Monitoring Duration : 24 Hours

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S. No.	Location	Category of Zone/ Area	Prescribed Limit		Observed Noise Level, Leq, dB (A)	
			Airport Standard Notification, E-413, 2018; Leq, dB (A)			
			Day Time*	Night Time**	Day Time*	Night Time**
1.	Near NIA Office-Project Site	Airport Area	70	65	65.8	52.7

\* Day Time : 6.00 AM to 10.00 PM

\*\*Night Time : 10.00 PM to 6.00 AM

**\*\*End of Report\*\***
  
Reviewed By
Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)**Note:**

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### ANNEXURE-I

Report Code: N20251001-00000528

**Issued To:** M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

**Sample Description:** Ambient Noise

**Monitoring Data Received On** : 26.09.2025

### TEST RESULTS

(Computation Data of Ambient Noise Quality)

#### SAMPLING DETAILS

Dates of Monitoring : 25.09.2025 to 26.09.2025  
 Monitoring Location : Near NIA Office (Project Site )  
 Monitoring Done by : Mr. Maan Singh  
 Monitoring Protocol : IS 9989: 1981, RA 2023  
 Environmental Conditions : Clear Sky  
 Monitoring Duration : 24 Hours

In Day Time (6am to 10pm)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16
Noise Level, dB	62.1	64.6	65.7	67.9	64.5	63.6	68.9	70.2	65.5	65.2	65.3	63.9	64.4	66.5	62.8	61.6

In Night (10pm to 6am)	R17	R18	R19	R20	R21	R22	R23	R24
Noise Level, dB	58.5	53.3	52.7	47.9	47.8	50.9	46.9	49.5

Noise Level Summary (24 Hours)	L <sub>Max</sub>	L <sub>Min</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>Day</sub>	L <sub>Night</sub>
	64.4	54.3	61.6	57.4	55.2	65.8	52.7

*Note: The noise measurement was conducted over a duration of 1 hour.*

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

  
 Reviewed By



Narinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)

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Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report**

ULR No.:TC750125000000529F

Report Code: N20251001-00000529

Issue Date: 01.10.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

Monitoring Data Received On : 26.09.2025

Sample Description: Ambient Noise

**TEST RESULTS**

(Ambient Noise Quality Monitoring)

**SAMPLING DETAILS**Dates of Monitoring : 25.09.2025 to 26.09.2025  
Monitoring Done by : Mr. Maan Singh  
Monitoring Protocol : IS 9989: 1981, RA 2023  
Environmental Conditions : Clear Sky  
Monitoring Duration : 24 Hours

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S. No.	Location	Category of Zone/ Area	Prescribed Limit		Observed Noise Level, Leq, dB (A)	
			Noise Pollution (Regulation & Control) Rules, 2000; Leq, dB (A)			
			Day Time*	Night Time**	Day Time*	Night Time**
1.	Village Dayanatpur	Residential Area	55	45	45.6	37.8

\* Day Time : 6.00 AM to 10.00 PM

\*\*Night Time : 10.00 PM to 6.00 AM

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

Reviewed By

Narinder Singh  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)**Note:**

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### ANNEXURE-I

Report Code: N20251001-00000529

**Issued To:** M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

**Sample Description:** Ambient Noise

**Monitoring Data Received On** : 26.09.2025

### TEST RESULTS

(Computation Data of Ambient Noise Quality)

#### SAMPLING DETAILS

Dates of Monitoring : 25.09.2025 to 26.09.2025  
 Monitoring Location : Village Dayanatpur  
 Monitoring Done by : Mr. Maan Singh  
 Monitoring Protocol : IS 9989: 1981, RA 2023  
 Environmental Conditions : Clear Sky  
 Monitoring Duration : 24 Hours

In Day Time (6am to 10pm)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	R16
Noise Level, dB	6.00	7.00	8.00	9.00	10.00	11.00	12.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00


In Night (10pm to 6am)	R17	R18	R19	R20	R21	R22	R23	R24
Noise Level, dB	10.00	11.00	12.00	1.00	2.00	3.00	4.00	5.00

Noise Level Summary (24 Hours)	L <sub>Max</sub>	L <sub>Min</sub>	L <sub>10</sub>	L <sub>50</sub>	L <sub>90</sub>	L <sub>Day</sub>	L <sub>Night</sub>
	45.4	38.7	43.6	40.6	39.4	45.6	37.8

*Note: The noise measurement was conducted over a duration of 1 hour.*

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

  
 Reviewed By

  
 Navinder Singh  
 (Sr. Chemist)  
 Authorized Signatory  
 (Seal & Signature)

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Doc. No.: GRC-LAB/QF-039

Revision No.: 01

Revision Date: 01.09.2025

Issue No.: 02

Issue Date: 03.09.2025





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Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report****ULR No.: TC75012500000221F****Issue Date: 29.09.2025****Report Code: DW20250929-00000221****Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**Sample Received On** : 17.09.2025  
**Analysis Duration** : 17.09.2025 to 27.09.2025**Sample Description:** Drinking Water**TEST RESULTS**  
(Water Quality Analysis)**SAMPLING DETAILS**Date of Sampling : 16.09.2025  
Sampling Location : Labour Colony (Project Site )  
Sample Collected by : Mr. Maan Singh  
Sampling Method : IS 17614 (Part-21): 2021  
Environmental Conditions : Clear Sky  
Sample Quantity : 5 Litter  
Sample Packing & Marking : Plastic Bottle & NIA/SEPT/DW-01[Click to download Report](#)

S. No.	Parameters	Units	Specific Requirements		Results	Test Method
			as per IS 10500:2012, RA 2023			
			Acceptable Limit	Permissible Limit		
1	Colour	Hazen/CU	5	15	<5.0	IS 3025 (Part-4): 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3	Turbidity	NTU	1	5.0	<1.0	IS 3025 (Part-10): 2023
4	pH Value @ 25 <sup>0</sup> C	-	6.5- 8.5	No Relaxation	7.19	IS 3025 (Part-11): 2022
5	Total Dissolved Solids (TDS)	mg/l	500	2000	141.0	IS 3025 (Part-16): 2023
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	55.4	IS 3025 (Part-21): 2009, RA 2023
7	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	88.0	IS 3025 (Part-23): 2023
8	Chlorides (as Cl <sup>-</sup> )	mg/l	250	1000	10.0	IS 3025 (Part-32): 1988, RA 2019
9	Fluoride (as F <sup>-</sup> )	mg/l	1	1.5	0.39	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	13.0	IS 3025 (Part-40): 2024
11	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	5.5	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	16.2	IS 3025 (Part-24/Sec-1): 2022
13	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.12	IS 3025 (Part-34/Sec-1): 2023
14	Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1.0	<0.1	IS 3025 (Part-26): 2021
16	Iron (as Fe)	mg/l	1.0	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed.,3120-B: 2023 (ICP-OES)
17	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18	Barium (as Ba)	mg/l	0.7	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)

  
Reviewed By**Note:**

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Doc. No.: GRC-LAB/QF-039

Revision No.: 01

Revision Date: 01.09.2025

Issue No.: 02

Issue Date: 03.09.2025

## Test Report

**ULR No.: TC750125000000221F**

**Issue Date: 29.09.2025**

21	Boron (as B)	mg/l	0.5	2.4	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26	Arsenic (as As)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
27	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29	Cyanide (as CN <sup>-</sup> )	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-27/Sec-1): 2021
30	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
32	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33	Sulphide (as H <sub>2</sub> S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35	Anionic Detergent (as MBAS)	mg/l	0.2	1.0	<0.01	IS 3025 (Part-68): 2019, RA 2023
36	Electrical Conductivity	μS/cm	---	---	212.0	IS 3025 (Part-14): 2013, RA 2023

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

  
**Reviewed By**



**Rahul Singh Narwaria**  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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### Test Report

Report Code: DW20250920-00000001

Issue Date: 20.09.2025

**Issued To:** M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

**Sample Received On** : 17.09.2025  
**Analysis Duration** : 17.09.2025 to 20.09.2025

**Sample Description:** Drinking Water

### TEST RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 16.09.2025  
 Sampling Location : Labour Colony (Project Site )  
 Sample Collected by : Mr. Maan Singh  
 Sampling Method : IS 17614 (Part-25): 2022  
 Environmental Conditions : Clear Sky  
 Sample Quantity : 0.5 Litter  
 Sample Packing & Marking : Sterile Glass Bottle & NIA/SEPT/DW-01

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S. No.	Parameters	Units	Requirements	Results	Test Method
			(IS 10500: 2012, RA 2023)		
1	Total Coliform Organism (TC)	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 15185: 2016, RA 2021
2	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 ( Absent)	IS 15185: 2016, RA 2021

\*\*End of Report\*\*

  
 Reviewed By



Ajay Kumar Sharma  
 (Sr. Quality Manager)  
 Authorized Signatory  
 (Seal & Signature)

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Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report****ULR No.: TC75012500000222F****Report Code: DW20250929-00000222****Issue Date: 29.09.2025****Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**Sample Received On** : 17.09.2025  
**Analysis Duration** : 17.09.2025 to 27.09.2025**Sample Description:** Drinking Water**TEST RESULTS**

(Water Quality Analysis)

**SAMPLING DETAILS**Date of Sampling : 16.09.2025  
Sampling Location : Near PTB (Project Site)  
Sample Collected by : Mr. Maan Singh  
Sampling Method : IS 17614 (Part-21): 2021  
Environmental Conditions : Clear Sky  
Sample Quantity : 5 Litter  
Sample Packing & Marking : Plastic Bottle & NIA/SEPT/DW-02[Click to download Report](#)

S. No.	Parameters	Units	Specific Requirements		Results	Test Method
			as per IS 10500:2012, RA 2023			
			Acceptable Limit	Permissible Limit		
1	Colour	Hazen/CU	5	15	<5.0	IS 3025 (Part-4): 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3	Turbidity	NTU	1	5.0	<1.0	IS 3025 (Part-10): 2023
4	pH Value @ 25 <sup>0</sup> C	-	6.5- 8.5	No Relaxation	6.85	IS 3025 (Part-11): 2022
5	Total Dissolved Solids (TDS)	mg/l	500	2000	123.0	IS 3025 (Part-16): 2023
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	35.6	IS 3025 (Part-21): 2009, RA 2023
7	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	64.0	IS 3025 (Part-23): 2023
8	Chlorides (as Cl <sup>-</sup> )	mg/l	250	1000	20.0	IS 3025 (Part-32): 1988, RA 2019
9	Fluoride (as F <sup>-</sup> )	mg/l	1	1.5	0.32	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	8.5	IS 3025 (Part-40): 2024
11	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	3.4	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	12.6	IS 3025 (Part-24/Sec-1): 2022
13	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.15	IS 3025 (Part-34/Sec-1): 2023
14	Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1.0	<0.1	IS 3025 (Part-26): 2021
16	Iron (as Fe)	mg/l	1.0	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed.,3120-B: 2023 (ICP-OES)
17	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18	Barium (as Ba)	mg/l	0.7	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)

  
Reviewed By
**Note:**

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Doc. No.: GRC-LAB/QF-039

Revision No.: 01

Revision Date: 01.09.2025

Issue No.: 02

Issue Date: 03.09.2025



## Test Report

**ULR No.: TC750125000000222F**

**Issue Date: 29.09.2025**

21	Boron (as B)	mg/l	0.5	2.4	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26	Arsenic (as As)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
27	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29	Cyanide (as CN <sup>-</sup> )	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-27/Sec-1): 2021
30	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
32	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33	Sulphide (as H <sub>2</sub> S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35	Anionic Detergent (as MBAS)	mg/l	0.2	1.0	<0.01	IS 3025 (Part-68): 2019, RA 2023
36	Electrical Conductivity	µS/cm	---	---	174.0	IS 3025 (Part-14): 2013, RA 2023

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

  
Reviewed By



**Rahul Singh Narwaria**  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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## Test Report

Report Code: DW20250920-00000002

Issue Date: 20.09.2025

Issued To: M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

Sample Received On : 17.09.2025  
Analysis Duration : 17.09.2025 to 20.09.2025

Sample Description: Drinking Water

## TEST RESULTS

(Water Quality Analysis)

### SAMPLING DETAILS

Date of Sampling : 16.09.2025  
Sampling Location : Near PTB (Project Site)  
Sample Collected by : Mr. Maan Singh  
Sampling Method : IS 17614 (Part-25): 2022  
Environmental Conditions : Clear Sky  
Sample Quantity : 0.5 Litter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/SEPT/DW-02

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S. No.	Parameters	Units	Requirements	Results	Test Method
			(IS 10500: 2012, RA 2023)		
1	Total Coliform Organism (TC)	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 15185: 2016, RA 2021
2	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 ( Absent)	IS 15185: 2016, RA 2021

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

Reviewed By



Ajay Kumar Sharma  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

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F-375, Sector-63, Noida, Gautam Budh Nagar, U.P. – 201301Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report****ULR No.: TC75012500000223F****Report Code: DW20250929-00000223****Issue Date: 29.09.2025****Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**Sample Received On** : 17.09.2025  
**Analysis Duration** : 17.09.2025 to 27.09.2025**Sample Description:** Drinking Water**TEST RESULTS**  
(Water Quality Analysis)**SAMPLING DETAILS**Date of Sampling : 16.09.2025  
Sampling Location : Office Building Worker(OBW)  
Sample Collected by : Mr. Maan Singh  
Sampling Method : IS 17614 (Part-21): 2021  
Environmental Conditions : Clear Sky  
Sample Quantity : 5 Litter  
Sample Packing & Marking : Plastic Bottle & NIA/SEPT/DW-03

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S. No.	Parameters	Units	Specific Requirements		Results	Test Method
			as per IS 10500:2012, RA 2023			
			Acceptable Limit	Permissible Limit		
1	Colour	Hazen/CU	5	15	<5.0	IS 3025 (Part-4): 2021
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part-5): 2018
3	Turbidity	NTU	1	5.0	<1.0	IS 3025 (Part-10): 2023
4	pH Value @ 25 <sup>0</sup> C	-	6.5- 8.5	No Relaxation	7.67	IS 3025 (Part-11): 2022
5	Total Dissolved Solids (TDS)	mg/l	500	2000	149.0	IS 3025 (Part-16): 2023
6	Total Hardness (as CaCO <sub>3</sub> )	mg/l	200	600	51.5	IS 3025 (Part-21): 2009, RA 2023
7	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	200	600	88.0	IS 3025 (Part-23): 2023
8	Chlorides (as Cl <sup>-</sup> )	mg/l	250	1000	12.0	IS 3025 (Part-32): 1988, RA 2019
9	Fluoride (as F <sup>-</sup> )	mg/l	1	1.5	0.39	APHA 24 <sup>th</sup> Ed., 4500F-D: 2023
10	Calcium (as Ca <sup>2+</sup> )	mg/l	75	200	12.4	IS 3025 (Part-40): 2024
11	Magnesium (as Mg <sup>2+</sup> )	mg/l	30	100	4.9	APHA 24 <sup>th</sup> Ed., 3500Mg-B: 2023
12	Sulphate (as SO <sub>4</sub> )	mg/l	200	400	18.7	IS 3025 (Part-24/Sec-1): 2022
13	Nitrate (as NO <sub>3</sub> )	mg/l	45	No Relaxation	0.2	IS 3025 (Part-34/Sec-1): 2023
14	Ammonical Nitrogen (as NH <sub>3</sub> -N)	mg/l	0.5	No Relaxation	<0.1	IS 3025 (Part-34/Sec-1): 2023
15	Free Residual Chlorine (as Cl <sub>2</sub> )	mg/l	0.2	1.0	<0.1	IS 3025 (Part-26): 2021
16	Iron (as Fe)	mg/l	1.0	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed.,3120-B: 2023 (ICP-OES)
17	Aluminum (as Al)	mg/l	0.03	0.2	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
18	Barium (as Ba)	mg/l	0.7	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
19	Copper (as Cu)	mg/l	0.05	1.5	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
20	Manganese (as Mn)	mg/l	0.1	0.3	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)

Reviewed By

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Doc. No.: GRC-LAB/QF-039

Revision No.: 01

Revision Date: 01.09.2025

Issue No.: 02

Issue Date: 03.09.2025



## Test Report

**ULR No.: TC750125000000223F**

**Issue Date: 29.09.2025**

21	Boron (as B)	mg/l	0.5	2.4	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
22	Zinc (as Zn)	mg/l	5	15	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
23	Selenium (as Se)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
24	Silver (as Ag)	mg/l	0.1	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
25	Molybdenum (as Mo)	mg/l	0.07	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
26	Arsenic (as As)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
27	Cadmium (as Cd)	mg/l	0.003	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
28	Total Chromium (as Cr)	mg/l	0.05	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
29	Cyanide (as CN <sup>-</sup> )	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-27/Sec-1): 2021
30	Lead (as Pb)	mg/l	0.01	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
31	Mercury (as Hg)	mg/l	0.001	No Relaxation	<0.001	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES VGA)
32	Nickel (as Ni)	mg/l	0.02	No Relaxation	<0.01	APHA 24 <sup>th</sup> Ed., 3120-B: 2023 (ICP-OES)
33	Sulphide (as H <sub>2</sub> S)	mg/l	0.05	No Relaxation	<0.01	IS 3025 (Part-29): 2022
34	Phenolic Compounds (as C <sub>6</sub> H <sub>5</sub> OH)	mg/l	0.001	0.002	<0.001	IS 3025 (Part-43/Sec-1): 2022
35	Anionic Detergent (as MBAS)	mg/l	0.2	1.0	<0.01	IS 3025 (Part-68): 2019, RA 2023
36	Electrical Conductivity	µS/cm	---	---	217.0	IS 3025 (Part-14): 2013, RA 2023

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

  
**Reviewed By**



**Rahul Singh Narwaria**  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)

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### Test Report

Report Code: DW20250920-00000003

Issue Date: 20.09.2025

**Issued To:** M/s. Yamuna International Airport Private Limited,  
 Administrative Office, Noida International Airport,  
 Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135

**Sample Received On** : 17.09.2025  
**Analysis Duration** : 17.09.2025 to 20.09.2025

**Sample Description:** Drinking Water

### TEST RESULTS

(Water Quality Analysis)

#### SAMPLING DETAILS

Date of Sampling : 16.09.2025  
 Sampling Location : Office Building Worker(OBW)  
 Sample Collected by : Mr. Maan Singh  
 Sampling Method : IS 17614 (Part-25): 2022  
 Environmental Conditions : Clear Sky  
 Sample Quantity : 0.5 Litter  
 Sample Packing & Marking : Sterile Glass Bottle & NIA/SEPT/DW-03

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S. No.	Parameters	Units	Requirements	Results	Test Method
			(IS 10500: 2012, RA 2023)		
1	Total Coliform Organism (TC)	MPN/100ml	Shall not be detected in 100 ml Sample	<2 (Not Detected)	IS 15185: 2016, RA 2021
2	<u>E. coli</u>	MPN/100ml	Shall not be detected in 100 ml Sample	<2 ( Absent)	IS 15185: 2016, RA 2021

\*\*End of Report\*\*

  
 Reviewed By



Ajay Kumar Sharma  
 (Sr. Quality Manager)  
 Authorized Signatory  
 (Seal & Signature)

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F-375, Sector-63, Noida, Gautam Budh Nagar, U.P. – 201301Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report****ULR No.: TC750125000000224F****Issue Date: 29.09.2025****Report Code: WW20250929-00000224****Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**Sample Received On** : 17.09.2025  
**Analysis Duration** : 17.09.2025 to 27.09.2025**Sample Description:** Waste Water-ETP Outlet**TEST RESULTS**

(Waste Water Quality Analysis)

**SAMPLING DETAILS**Date of Sampling : 16.09.2025  
Sampling Location : ETP- Project Site  
Sample Collected by : Mr. Maan Singh  
Sampling Method : IS 17614 (Part-10): 2021  
Environmental Conditions : Clear Sky  
Sample Quantity : 5 Litter  
Sample Packing & Marking : Plastic Bottle & NIA/SEPT/WW-01[Click to download Report](#)

S. No.	Parameters	Units	Permissible Limit	Results	Test Method
			EPR-1986 Schedule-VI, Part-A		
1	Color	CU	-	40	IS 3025 (Part-04): 2021
2	pH @ 25 <sup>0</sup> C	-	5.5-9.0	7.69	IS 3025 (Part-11): 2022
3	Total Suspended Solids (TSS)	mg/l	100	40	IS 3025 (Part-17): 2022
4	Biochemical Oxygen Demand (BOD) for 3 Days at 27 <sup>0</sup> C	mg/l	30	27.0	IS 3025 (Part-44): 2023
5	Chemical Oxygen Demand (COD)	mg/l	250	78.0	IS 3025 (Part-58): 2023
6	Oil & Grease	mg/l	10	<4.0	IS 3025 (Part-39): 2021
7	Total Dissolved Solids (TDS)	mg/l	2100	2015.0	IS 3025 (Part-16): 2023

**\*\*End of Report\*\***  
**Reviewed By****Rahul Singh Narwaria**  
(Sr. Chemist)  
Authorized Signatory  
(Seal & Signature)**Note:**

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Doc. No.: GRC-LAB/QF-039

Revision No.: 01

Revision Date: 01.09.2025

Issue No.: 02

Issue Date: 03.09.2025





GRC India

**GRC INDIA TRAINING & ANALYTICAL LABORATORY**  
(A unit of Grass Roots Research & Creation India (P) Ltd.)ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018 Certified  
NABL Accredited (TC-7501) – Chemical & Biological and Recognized by the Ministry of Environment, Forest & Climate Change (MoEF&CC), Govt. of India under the E(P) Act, 1986  
F-375, Sector-63, Noida, Gautam Budh Nagar, U.P. – 201301  
Phone No.: 0120 – 4044630; E-mail : [lab@grc-india.com](mailto:lab@grc-india.com); [info@grc-india.com](mailto:info@grc-india.com); Website: <https://www.grc-india.com>**Test Report****ULR No.:TC750125000000225F****Issue Date: 20.09.2025****Report Code: WW20250920-00000225****Issued To:** M/s. Yamuna International Airport Private Limited,  
Administrative Office, Noida International Airport,  
Kishorepur, Gautam Buddha Nagar, Jewar, Uttar Pradesh-203135**Sample Received On** : 17.09.2025  
**Analysis Duration** : 17.09.2025 to 20.09.2025**Sample Description:** Waste Water-ETP Outlet**TEST RESULTS****(Water Quality Analysis)****SAMPLING DETAILS**Date of Sampling : 16.09.2025  
Sampling Location : ETP-Project Site  
Sample Collected by : Mr. Maan Singh  
Sampling Method : IS 17614 (Part-25): 2022  
Environmental Conditions : Clear Sky  
Sample Quantity : 0.5 Litter  
Sample Packing & Marking : Sterile Glass Bottle & NIA/SEPT/WW-01[Click to download Report](#)

S. No.	Parameters	Units	Results	Test Method
1	Total Coliform Organism (TC)	MPN/100ml	1600	APHA 24 <sup>th</sup> Edition 9221-B: 2023
2	Fecal Coliform Organism (FC)	MPN/100ml	1600	APHA 24 <sup>th</sup> Edition 9221-E: 2023

**\*\*End of Report\*\***  
**Reviewed By****Note:**

- The Test Report is issued only for the sample submitted to Laboratory.
- The results stated above relates only to the item tested and listed parameters and do not endorse any other product.
- This Test Report shall not be reproduced, published, advertised, or used as evidence in any legal proceedings, in whole or in part, without the prior written consent of the Laboratory.
- The measurement uncertainty (MU) and Statement of Conformity with specific requirements will be included in the Test Report only upon the customer's request.
- Analyzed samples for chemical testing will be retained for 15 days, and those for biological testing for 7 days, from the issue date of the Test Report. Thereafter, they will be disposed of unless otherwise specified by the customer.

Doc. No.: GRC-LAB/QF-039

Revision No.: 01

Revision Date: 01.09.2025

Issue No.: 02

Issue Date: 03.09.2025

**Ajay Kumar Sharma**  
(Sr. Quality Manager)  
Authorized Signatory  
(Seal & Signature)

# **ANNEXURE-02**

## **(MoEF&CC Recognition)**

Application Submitted for Renewal of recognition-GRC India  
Training & Analytical Laboratory, F-375, Sector-63, Noida to CPCB.



**LIFE**  
Lifestyle For  
Environment



**केन्द्रीय प्रदूषण नियंत्रण बोर्ड**  
CENTRAL POLLUTION CONTROL BOARD  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय भारत सरकार  
MINISTRY OF ENVIRONMENT FOREST & CLIMATE CHANGE GOVT OF INDIA

फा.सं.एलबी-2021/7/99/इंस्टलैब-एचओ-सीपीसीबी-एचओ / प्राइवेट / 555

12 जून 2025

मान्यता पत्र

सेवा में,

प्रयोगशाला प्रमुख,  
मैसर्स जीआरसी इंडिया ट्रेनिंग एवं एनालिटिकल लैबोरेटरी,  
एफ-375, सेक्टर-63,  
नोएडा-201301, उत्तर प्रदेश।

**विषय:** पर्यावरण (संरक्षण) अधिनियम, 1986 के अंतर्गत पर्यावरणीय प्रयोगशाला के रूप में मैसर्स जीआरसी इंडिया ट्रेनिंग एवं एनालिटिकल लैबोरेटरी, एफ-375, सेक्टर-63, नोएडा-201301, उत्तर प्रदेश की मान्यता के बारे में।

महोदय,

केन्द्रीय प्रदूषण नियंत्रण बोर्ड (के.प्र.नि.बोर्ड) को पर्यावरण (संरक्षण) अधिनियम, 1986 के अंतर्गत पर्यावरण प्रयोगशालाओं की मान्यता के लिए दिशानिर्देशों के निबंधन और शर्तों की स्वीकृति के साथ आपके दिनांक 29/04/2025 के प्रस्तुत आवेदन के संदर्भ में, के.प्र.नि.बोर्ड के सक्षम प्राधिकारी ने पर्यावरण प्रयोगशाला और सरकार के विश्लेषक की मान्यता को अनुमोदन प्रदान किया है। तत्पश्चात, मैसर्स जीआरसी इंडिया ट्रेनिंग एवं एनालिटिकल लैबोरेटरी, एफ-375, सेक्टर-63, नोएडा-201301, उत्तर प्रदेश को भारत की राजपत्र अधिसूचना में प्रयोगशाला की अनिवार्य प्रत्यायन/प्रमाणन की वर्तमान अपेक्षा को ध्यान में रखते हुए दिनांक 30/05/2028 (तीन साल) तक आईएसओ/ आईईसी 17025 और आईएस/आईएसओ 45001 की वैधता के साथ अधिसूचित किया जाएगा।

2. निम्नलिखित विश्लेषकों को सरकारी विश्लेषक के रूप में अनुमोदित किया गया है:

1. डॉ धीरज कुमार सिंह
2. श्री अजय कुमार शर्मा
3. श्री राहुल सिंह नरवरिया

3. प्रयोगशाला अनिवार्य रूप से स्वीकृत निबंधन और शर्तों का पालन करते हुए निम्नलिखित परीक्षणों करेगी:

- क. **भौतिक परीक्षण:** चालकता, रंग, पीएच, स्थिर और वाष्पशील ठोस, कुल ठोस, कुल विलीन ठोस, कुल निलंबित ठोस, आविलता, तापमान, वेग एवं निर्वहन औद्योगिक बहिःस्राव धारा का विसर्जन मापन, फ्लोक्यूलेशन टेस्ट (जार टेस्ट), गंध, लवणता, निपटान योग्य ठोस और आपंक वॉल्यूम इंडेक्स (एसवीआई)।
- ख. **अकार्बनिक (सामान्य और गैर-धात्विक):** अम्लता, क्षारीयता, अमोनिकल नाइट्रोजन, क्लोराइड, क्लोरीन अवशिष्ट, विलीन ऑक्सीजन, फ्लोराइड, कुल कठोरता, कुल केजेल्डहल नाइट्रोजन (टीकेएन), नाइट्राइट नाइट्रोजन, नाइट्रेट नाइट्रोजन, फॉस्फेट, सल्फेट, क्लोरीन डिमांड, साइनाइड, सिलिका, सल्फाइड और सल्फाइट।
- ग. **अकार्बनिक (सूक्ष्म मात्रिक धातु):** बोरॉन, कैडमियम, कैल्शियम, टोटल क्रोमियम, क्रोमियम हेक्सावैलेंट, तांबा, लोहा, सीसा, मैग्नीशियम, पारा, निकल, पोटेशियम, सोडियम, सोडियम अवशोषण अनुपात (एसएआर), जिंक, आर्सेनिक, एल्युमीनियम, एंटीमनी, बेरियम, बेरिलियम, कोबाल्ट, लिथियम, मैंगनीज, सेलेनियम, सिल्वर, स्ट्रॉटियम, टिन और वैनेडियम।
- घ. **ऑर्गेनिक्स (सामान्य) और ट्रेस ऑर्गेनिक्स:** बायोकेमिकल ऑक्सीजन डिमांड (बीओडी), रासायनिक ऑक्सीजन डिमांड (सीओडी), तेल और ग्रीस, फेनोलिक यौगिक, कीटनाशक (प्रत्येक) (ऑर्गेनो-क्लोरीन और ऑर्गेनो नाइट्रोजन-फॉस्फोरस), कार्बन/नाइट्रोजन अनुपात, ऑर्गेनिक कार्बन (ठोस में), पॉली-क्लोरिनेटेड बाइफेनाइल (पीसीबी) (प्रत्येक), पॉलीन्यूक्लियर एरोमैटिक हाइड्रोकार्बन (पीएच), सर्फेक्टेंट, टैनिन & लिग्निन और टोटल ऑर्गेनिक कार्बन (टीओसी)।
- ङ. **सूक्ष्म जीवविज्ञान परीक्षण:** टोटल कोलीफॉर्म, फीकल कोलीफॉर्म, ई. कोली, फीकल स्ट्रेप्टोकोक्की, टोटल प्लेट काउंट और एंटरोकोकस।
- च. **आविष विज्ञानी परीक्षण:** मछली का उपयोग करके विषाक्तता के मूल्यांकन के लिए जैव परख विधि (100% प्रवाह में 96 घंटे के बाद मछली का 90% जीवित रहना) और जेबरा मछली (आयाम रहित विषाक्तता परीक्षण) का उपयोग करके विषाक्तता कारक का मापन।

परिवेश भवन, पर्वी अर्जुन नगर, दिल्ली-110032 जारी.

Parivesh Bhawan, East Arjun Nagar, Delhi-110032

दूरभाष/Tel : 43102030, 22305792, वेबसाइट/Website : www.cpcb.nic.in





- छ. **जैविक परीक्षण:** बैक्टीरियल जीव की पहचान और गणना, मैक्रोफाइटिक पहचान, प्लवक पहचान गणना और क्लोरोफिल।
- ज. **परिसंकटमय अपशिष्ट का लक्षण वर्णन:** निक्षालक (टीसीएलपी अर्क/जल अर्क) तैयार करना, विषाक्तता और अपशिष्ट & निक्षालक में भारी धातुओं/पीड़कनाशियों का मापन।
- झ. **मृदा/आपंक/तलछट और ठोस अपशिष्ट:** बोरॉन, कटियन एक्सचेंज क्षमता (सीईसी), विद्युत चालकता, नाइट्रोजन (उपलब्ध), कार्बनिक कार्बन/पदार्थ (रासायनिक विधि), पीएच, फास्फोरस (उपलब्ध), फॉस्फेट (ऑर्थो), फॉस्फेट (कुल), पोटेशियम, मृदा के अर्क में एसएआर, सोडियम, मृदा की नमी, टीकेएन, कैलोरी मान, अमोनिया, बाइकार्बोनेट, कैल्शियम, कैल्शियम कार्बोनेट, क्लोराइड, रंग, विनिमेय सोडियम प्रतिशत (ईएसपी), भारी धातु, मैग्नीशियम, यांत्रिक मृदा विश्लेषण, नाइट्रेट, नाइट्राइट, पीएच, कीटनाशक, पोटाश (उपलब्ध), सल्फर, कुल कार्बनिक कार्बन (टीओसी), कुल पानी में घुलनशील नमक और जल धारण क्षमता।
- ञ. **परिवेशी वायु/पलायक उत्सर्जन:** नाइट्रोजन डाइऑक्साइड ( $\text{NO}_2$ ), सल्फर डाइऑक्साइड ( $\text{SO}_2$ ), कुल निलंबित विविक्त कण, श्वसन योग्य निलंबित कण पदार्थ ( $\text{PM}_{10}$ ), अमोनिया, कार्बन मोनोऑक्साइड, क्लोरीन, फ्लोराइड, गैर मीथेन हाइड्रोकार्बन, सीसा, मीथेन, ओजोन, बेंजीन टोल्यूनि ज़ाइलीन (बीटीएक्स), पॉलीसाइक्लिक एरोमैटिक हाइड्रोकार्बन (पीएएच) बेंजो-ए-पाइरिन और अन्य और पीएम<sub>2.5</sub>।
- ट. **चिमनी गैस/स्रोत उत्सर्जन:** पार्टिकुलेट मैटर, सल्फर डाइऑक्साइड, वेग और प्रवाह, कार्बन डाइऑक्साइड, कार्बन मोनोऑक्साइड, तापमान, ऑक्सीजन, नाइट्रोजन के ऑक्साइड, एसिड धुंध, अमोनिया, क्लोरीन, फ्लोराइड (पार्टिकुलेट), फ्लोराइड (गैसीय), हाइड्रोक्लोरिक एसिड, कुल हाइड्रोकार्बन, हाइड्रोजन सल्फाइड और कार्बन डाइसल्फाइड।
- ठ. **रव (शोर) स्तर:** शोर स्तर माप (20 से 140 डीबीए) और परिवेश रव & स्रोत विशिष्ट रव।
- ड. **मौसम संबंधी:** परिवेश का तापमान, हवा की दिशा, हवा की गति, सापेक्ष आर्द्रता, सौर विकिरण और वर्षा।
4. प्रयोगशाला और विश्लेषकों की क्षमता का पता लगाने के लिए प्रयोगशाला को के.प्र.नि.बोर्ड द्वारा आयोजित विश्लेषणात्मक गुणवत्ता नियंत्रण (एक्यूसी) अभ्यास में अनिवार्य रूप से भाग लेना होगा। प्रयोगशाला किए गए नमूना विश्लेषण पर के.प्र.नि.बोर्ड को तिमाही प्रगति रिपोर्ट प्रस्तुत करेगी।
5. अधिसूचना के अनुसार, एक संयुक्त दल द्वारा मान्यता प्राप्त पर्यावरण प्रयोगशाला का औचक निरीक्षण/आवधिक निगरानी उस के उचित कामकाज, व्यवस्थित प्रचालन और प्रयोगशाला में तैयार किए गए आंकड़ों की विश्वसनीयता का निर्धारण करने के लिए की जाएगी।
6. प्रयोगशाला के पास नियमानुसार ISO/IEC: 17025:2017 (और IS/ ISO: 45001 का अपेक्षित प्रत्यायन और प्रमाण पत्र होना चाहिए। यह मान्यता यथा लागू प्रत्यायन और नवीनीकरण के अधीन है और किसी भी निबंधन और शर्तों के गंभीर गैर-अनुपालन के मामले में, प्रयोगशाला को न्यूनतम दो साल की अवधि के लिए ब्लैकलिस्ट किया जा सकता है और सरकार की ओर से अनधिकृत तरीके से कार्य करने के लिए, यथा लागू सिविल/आपराधिक कार्यवाही शुरू की जा सकती है।
7. मैसर्स जीआरसी इंडिया ट्रेनिंग एवं एनालिटिकल लैबोरेटरी, नोएडा, उत्तर प्रदेश को संबंधित अनिवार्य प्रत्यायन/प्रमाणीकरण के साथ मान्यता की समाप्ति से पूर्व केंद्रीय प्रदूषण नियंत्रण बोर्ड के वेबपोर्टल (<https://cpcbepalab.in/epalab>) का उपयोग कर के ऑनलाइन मान्यता के नवीनीकरण के लिए आवेदन करना अपेक्षित है।

भवदीय,

11/11/2024

प्रभागप्रमुख

उपकरणीय प्रयोगशाला



F. No. LB/99/7/2021-INST LAB-HO-CPCB-HO/Pvt./-SSS

12<sup>th</sup> June 2025

RD  
रकार  
INDIA

Recognition Letter

To,  
The Head of Laboratory,  
M/s GRC India Training & Analytical Laboratory,  
F-375, Sector-63,  
Noida-201301, Uttar Pradesh.

**Subject: Recognition of M/sGRC India Training & Analytical Laboratory, F-375, Sector-63, Noida-201301. Uttar Pradesh as Environmental laboratory under the Environmental (Protection) Act- 1986- reg.**

Sir,

With reference to your application dated 29/04/2025 along with acceptance of the terms & conditions of the guidelines for recognition of environmental laboratories under the Environmental (Protection) Act, 1986, submitted to Central Pollution Control Board (CPCB), the Competent Authority of CPCB has accorded approval for recognition of Environmental laboratory and Govt. Analysts. Subsequently, **M/s GRC India Training & Analytical Laboratory, F-375, Sector-63, Noida-201301, Uttar Pradesh** shall be notified considering the current requirement of mandatory accreditation / certifications of the laboratory with a validity up to 30/05/2028 (for three years), subject to validity of ISO/IEC 17025 and IS/ISO 45001.

2. The following analysts have been approved as Government Analysts:

1. Dr. Dhiraj Kumar Singh
2. Sh. Ajay Kumar Sharma
3. Sh. Rahul Singh Narwaria

3. The laboratory should compulsorily follow the accepted terms and conditions and may undertake the following tests:

- a) **Physical Tests:** Conductivity, Colour, pH, Fixed & Volatile Solids, Total Solids, Total Dissolved Solids, Total Suspended Solids, Turbidity, Temperature, Velocity & Discharge Measurement of Industrial Effluent Stream, Flocculation Test (Jar Test), Odour, Salinity, Settleable Solids and Sludge Volume Index (SVI).
- b) **Inorganic (General and Non-metallic):** Acidity, Alkalinity, Ammonical Nitrogen, Chloride, Chlorine Residual, Dissolved Oxygen, Fluoride, Total Hardness, Total Kjeldahl Nitrogen (TKN), Nitrite Nitrogen, Nitrate Nitrogen, Phosphate, Sulphate, Chlorine Demand, Cyanide, Silica, Sulphide and Sulphite.
- c) **Inorganic (Trace Metals):** Boron, Cadmium, Calcium, Total Chromium, Chromium Hexavalent, Copper, Iron, Lead, Magnesium, Mercury, Nickel, Potassium, Sodium, Sodium Absorption Ratio (SAR), Zinc, Arsenic, Aluminium, Antimony, Barium, Beryllium, Cobalt, Lithium, Manganese, Selenium, Silver, Strontium, Tin and Vanadium.
- d) **Organics (General) and Trace Organics:** Biochemical Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Oil and Grease, Phenolic Compounds, Pesticides (each) (Organo-Chlorine and Organo Nitrogen-Phosphorus), Carbon/Nitrogen Ratio, Organic Carbon (in Solid), Poly-Chlorinated Biphenyl (PCB's) each, Polynuclear Aromatic Hydrocarbon (PAH), Surfactants, Tannin & Lignin and Total Organic Carbon (TOC).
- e) **Microbiological Test:** Total Coliform, Faecal Coliform, *E. coli*, Faecal Streptococci, Total Plate Count and Enterococcus.
- f) **Toxicological Tests:** Bioassay Method for Evaluation of Toxicity Using Fish (90% survival of fish after 96 hrs in 100% effluent) and Measurement of toxicity factor using Zebra fish (dimensionless toxicity test).

contd.

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- g) **Biological Test:** Benthic Organism Identification and Count, Macrophytic Identification, Planktonic Identification Count and Chlorophyll.
- h) **Characterization of Hazardous Waste:** Preparation of Leachate (TCLP Extract/Water Extract), Toxicity and Measurement of Heavy Metals/Pesticides in the Waste/Leachate.
- i) **Soil/Sludge/Sediment and Solid Waste:** Boron, Cation Exchange Capacity (CEC), Electrical Conductivity, Nitrogen (Available), Organic Carbon/Matter (Chemical Method), pH, Phosphorous (Available), Phosphate (Ortho), Phosphate (Total), Potassium, SAR in Soil Extract, Sodium, Soil Moisture, TKN, Calorific Value, Ammonia, Bicarbonate, Calcium, Calcium Carbonate, Chloride, Colour, Exchangeable Sodium Percentage(ESP), Heavy Metal, Magnesium, Mechanical Soil Analysis, Nitrate, Nitrite, PAH, Pesticide, Potash(Available), Sulphur, Total Organic Carbon (TOC), Total Water Soluble Salt and Water Holding Capacity.
- j) **Ambient Air/ Fugitive Emissions:** Nitrogen Dioxide (NO<sub>2</sub>), Sulphur Dioxide (SO<sub>2</sub>), Total Suspended Particulate Matter, Respirable Suspended Particulate Matter (PM<sub>10</sub>), Ammonia, Carbon monoxide, Chlorine, Fluoride, Non Methane Hydrocarbon, Lead, Methane, Ozone, Benzene Toluene Xylene (BTX), Polycyclic Aromatic Hydrocarbon (PAH) Benzo-a-Pyrene & others and PM<sub>2.5</sub>.
- k) **Stack Gases/ Source Emission:** Particulate Matter, Sulphur Dioxide, Velocity & Flow, Carbon Dioxide, Carbon Monoxide, Temperature, Oxygen, Oxides of Nitrogen, Acid Mist, Ammonia, Chlorine, Fluoride(Particulate), Fluoride(Gaseous), Hydrochloric Acid, Total Hydrocarbon, Hydrogen Sulphide and Carbon Disulphide.
- l) **Noise Level:** Noise level measurement (20 to 140 dba) and Ambient Noise & Source Specific Noise.
- m) **Meteorological:** Ambient Temperature, Wind Direction, Wind Speed, Relative Humidity, Solar Radiation and Rain Fall.
4. The laboratory shall compulsorily participate in the Analytical Quality Control (AQC) Exercise conducted by the CPCB to ascertain the capability of the laboratory and analysts. The lab shall submit quarterly progress report on the sample analysis carried out to CPCB.
5. The surprise inspection / periodic surveillance of the recognized environment laboratory will be undertaken to assess its proper functioning systematic operation and reliability of data generated at the laboratory by a Joint Team as per the Notification.
6. The laboratory should have the mandatory requisite accreditation and certificate of the ISO: 17025 and ISO: 45001 as per rules. This recognition is subject to such accreditations and renewals as applicable and in case of serious non-compliance of any of the terms and conditions, the laboratory may be black listed for a minimum period of two years and civil/criminal proceedings, as applicable, may be initiated for performing functions on behalf of the Government in an unauthorized manner.
7. **M/sGRC India Training & Analytical Laboratory, Noida, Uttar Pradesh** is required to apply for further renewal of recognition through online using CPCB web portal (<https://cpcbepalab.in/epalab>) before expiry of recognition with mandatory accreditation / certification concerned.

Yours faithfully,

*M. N. S.*  
14/6/2025  
Divisional Head  
Instrumentation Laboratory

# **ANNEXURE-03**

## **(ISO Certification)**



## *Certificate of Registration*

(Occupational Health & Safety Management System)

**KVQA CERTIFICATION SERVICES PVT. LTD.**

This is to certify that the Occupational Health & Safety Management System of

### **GRC INDIA TRAINING & ANALYTICAL LABORATORY**

**F-375, Sector-63, Noida-201301, India.**

Has been found to be of the Occupational Health & Safety Management  
System Standard

**ISO 45001:2018 (OH&S)**

**This certificate is valid for the following product or service range**

**Provide Quality Testing and Monitoring Services in Chemical  
& Biological Domain for Ambient Air Quality, Noise Monitoring,  
Source Emission/Stack Monitoring, Water & Waste Water Quality,  
Hazardous Waste & Soil Testing.**

**Certificate No: KDACO202301009**

1<sup>st</sup> Surveillance Done On: 19/02/2024

2<sup>nd</sup> Surveillance Due On: 16/12/2024: Done On:

Date Of Issue: 16, January, 2023

Valid Until: 15, January, 2026\*

Issued by   
Authorised signatory KVQA



**elaci**  
مركز الاعتمادات العالمية للاعتماد  
Emirates International Accreditation Centre  
CB-OHSMS-045

To Check the Status of the Certification kindly log on to [www.kvqa.in](http://www.kvqa.in)  
F-300, Sector - 63, Noida U.P. India. Ph- 011 -22711940, 22711941  
Email : [delhi@kvqaIndia.com](mailto:delhi@kvqaIndia.com)

\*Subject to successful completion of surveillance audits





## *Certificate of Registration*

(Environment Management System)

**KVQA CERTIFICATION SERVICES PVT. LTD.**

This is to certify that the Environment Management System of

### **GRC INDIA TRAINING & ANALYTICAL LABORATORY**

**F-375, Sector-63, Noida-201301, India.**

Has been found to the Environment Management System Standard

**ISO 14001:2015**

**This certificate is valid for the following product or service range**

**Provide Quality Testing and Monitoring Services in Chemical  
& Biological Domain for Ambient Air Quality, Noise Monitoring,  
Source Emission/Stack Monitoring, Water & Waste Water Quality,  
Hazardous Waste & Soil Testing.**

**Certificate No: KDAACE202301013**

1<sup>st</sup> Surveillance Done On: 19/02/2024

2<sup>nd</sup> Surveillance Due On: 16/12/2024: Done On:

Date Of Issue: 16, January, 2023

Valid Until: 15, January, 2026\*

Issued by

Authorised signatory KVQA



To Check the Status of the Certification kindly log on to [www.kvqa.in](http://www.kvqa.in)  
F-300, Sector - 63, Noida U.P. India. Ph- 011 -22711940, 22711941  
Email : [delhi@kvqaIndia.com](mailto:delhi@kvqaIndia.com)

\*Subject to successful completion of surveillance audits





## *Certificate of Registration*

(Quality Management System)

**KVQA CERTIFICATION SERVICES PVT. LTD.**

This is to certify that the Quality Management System of

### **GRC INDIA TRAINING & ANALYTICAL LABORATORY**

**F-375, Sector-63, Noida-201301, India.**

Has been found to be of the Quality Management System Standard

**ISO 9001:2015**

**This certificate is valid for the following product or service range**

**Provide Quality Testing and Monitoring Services in Chemical  
& Biological Domain for Ambient Air Quality, Noise Monitoring,  
Source Emission/Stack Monitoring, Water & Waste Water Quality,  
Hazardous Waste & Soil Testing.**

**Certificate No: KDACQ202301076**

1<sup>st</sup> Surveillance Done On: 19/02/2024

Date Of Issue: 16, January, 2023

2<sup>nd</sup> Surveillance Due On: 16/12/2024: Done On:

Valid Until: 15, January, 2026\*

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Email : [delhi@kvqaindia.com](mailto:delhi@kvqaindia.com)

\*Subject to successful completion of surveillance audits