NOIDA INTERNATIONAL AIRPORT LIMITED

OFFICE NO. 1-15 BLOCK P-2-SECTOR OMEGA -1 GREATER NOIDA GAUTAM BUDDHA NAGAR – 201308 (U.P.)

CIN: U62100UP2018SGC107238

Letter No.: NIAL/PCCB/2023/624 Date: 29.12.2023

To,

The Chief Environmental Officer
Building No. TC-12 V, Vibhuti Khand,
Gomti Nagar, Lucknow-226 010

Ref: Environment Clearance F.No.10-31/2018-1A-111 dated 09th March 2020
Subject: Submission of the Environmental Statement in the prescribed Form V for the period FY 2022-2023

Dear Sir,

This is with reference to the above subject matter, we are hereby submitting the Environmental Statement in the prescribed Form-V for the period of FY 2022-2023 as per the provision of the Environment (Protection) Rules, 1986, as amended subsequently and further as required by Miscellaneous Condition (v) of Environment Clearance.

Kindly consider this for your records and acknowledge our submission.

(Shailendra Kumar Bhatia)
Nodal Officer

Copy to:

1. Additional Chief Secretary, Civil Aviation Department/CM GoUP
2. Special Secretary/Director, Civil Aviation Department, GoUP
3. Regional Officer, Uttar Pradesh Pollution control board, Greater Noida

02/01/2024
उत्तर प्रदेश प्रदूषण नियंत्रण बोर्ड,
क्षेत्रीय अधिकारी,
ग्रेटर नोएडा।

29.12.2023

(Shailendra Kumar Bhatia)
Nodal Officer

Enclosure:

1. *Environmental Statement in the prescribed Form V for the period FY 2022-2023*
2. *Annexure 1- Sample Wastewater Monitoring Reports*
3. *Annexure 2- Sample DG Stack Monitoring Reports*
4. *Annexure 3- Air Quality Monitoring Report outside Airport*

Environment statement (Form V)
(See Rule14)
Environmental Statement for the Financial Year ending **31st March 2023**

Part A

Name & address of the owner/occupier of the industry operation or process	The Director Directorate of Civil Aviation, Government of Uttar Pradesh Lucknow Airport, Lucknow - 226 009, Uttar Pradesh
Industry category **Primary= (STC Code)** **Secondary= (SIC Code)**	Airport Project
Production capacity Units	Not applicable
Year of Establishment	Project construction Started from June-2022
Date of Last Environment Statement submitted	NIL (as project started from June-2022 hence this is the 1st Environment statement submission for the FY 2022-23)

Part B

Water and Raw material Consumption

i. Water Consumption in M³/Day:

Sr.	Water consumption	Total Quantity (KLD)
a	Cooling	NIL
b	Domestic	Average freshwater/RO water consumption in Drinking Purpose from July-2022 to March-2023= 7.031 KLD
c	Process	NIL

Note: *No fresh water consumed in cooling, process & other domestic purpose, only STP treated water consumed in Curing, cooling, RMC production & Sprinkling. RO reject water utilised in toilets. (Average* ***195.51*** *KLD STP treated water consumed from July-2022 to March-2023).*

Name of the products	Process Water Consumption per Unit of product (m^3)	
	During previous Financial year 2021-22	During current Financial year 2022-23
Not Applicable	Not Applicable	Not Applicable

ii. Raw Material Consumption

Name of Raw material	Name of Products	Consumption of Raw Material per unit of output (MT)	
		During previous Financial year 2021-22	During current Financial year 2022-23
Not Applicable	Not Applicable	Not Applicable	Not Applicable

Part C

Pollution discharged to Environment/unit of output (Parameter as specified in the consent issued)

A. Water pollution load:

- The construction activities started at the site on 8th June, 2022. The average domestic Sewage of 18.6 KLD was generated from the respective construction areas during July, 2022 – March, 2023 & were discharged to Kasna CSTP for treatment purpose.

Sr. No	Pollutants	Quantity of Pollutants discharged (mass/day) (Kg/day)	Concentration of pollutants in discharge (Mass/volume) (mg/L), except pH	% of variation from prescribed standards with reasons	Disposal method
1	pH	NIL	8.66	No deviation from prescribed standards Sample Test Report attached as **Annexure-1.**	STP Treated water is being used for sprinkling purpose at the project site
2	Total Suspended Solids	NIL	48.2		
3	COD	NIL	35.12		
4	BOD	NIL	11		
5	Oil and grease	NIL	<5.0		

B. Air pollution load

B1: Stack Emission from DG Set No. 1 (Capacity in 62.5 KVA)

Sr. No	Pollutants	Quantity of Pollutants discharged (mass/day) (g/day)	Concentration of pollutants in discharge (Mass/volume) (g/KWH)	% of variation from prescribed standards with reasons
1	Particulate matter	--	0.09	

Sr. No	Pollutants	Quantity of Pollutants discharged (mass/day) (g/day)	Concentration of pollutants in discharge (Mass/volume) (g/KWH)	% of variation from prescribed standards with reasons
2	Sulphur Dioxide	--	0.44	No deviation from prescribed standards, Sample Monitoring Reports attached as **Annexure-2**
3	Carbon Monoxide	--	0.75	
4	Nitrogen Dioxide	--	0.65	

B2: Stack Emission from DG Set No. 2 (Capacity in 250 KVA)

Sr. No	Pollutants	Quantity of Pollutants discharged (mass/day) (g/day)	Concentration of pollutants in discharge (Mass/volume) (g/KWH)	% of variation from prescribed standards with reasons
1	Particulate matter	--	0.10	No deviation from prescribed standards, Sample Monitoring Reports attached as **Annexure-2**
2	Sulphur Dioxide	--	0.45	
3	Carbon Monoxide	--	0.77	
4	Nitrogen Dioxide	--	0.66	

B3: Stack Emission from DG Set No. 3 (Capacity in 82.5 KVA)

Sr. No	Pollutants	Quantity of Pollutants discharged (mass/day) (g/day)	Concentration of pollutants in discharge (Mass/volume) (g/KWH)	% of variation from prescribed standards with reasons
1	Particulate matter	--	0.09	No deviation from prescribed standards, Sample Monitoring Reports attached as **Annexure-2**
2	Sulphur Dioxide	--	0.45	
3	Carbon Monoxide	--	0.74	
4	Nitrogen Dioxide	--	0.67	

D.

B4: Stack Emission from DG Set No. 4 (Capacity in 25 KVA)

Sr. No	Pollutants	Quantity of Pollutants discharged (mass/day) (g/day)	Concentration of pollutants in discharge (Mass/volume) (g/KWH)	% of variation from prescribed standards with reasons
1	Particulate matter	--	0.09	No deviation from prescribed standards, Sample Monitoring Reports attached as **Annexure-2**
2	Sulphur Dioxide	--	0.42	
3	Carbon Monoxide	--	0.74	
4	Nitrogen Dioxide	--	0.68	

B5: Stack Emission from DG Set No. 5 (Capacity in 200 KVA)

Sr. No	Pollutants	Quantity of Pollutants discharged (mass/day) (g/day)	Concentration of pollutants in discharge (Mass/volume) (g/KWH)	% of variation from prescribed standards with reasons
1	Particulate matter	--	0.10	No deviation from prescribed standards, Sample Monitoring Reports attached as **Annexure-2**
2	Sulphur Dioxide	--	0.43	
3	Carbon Monoxide	--	0.77	
4	Nitrogen Dioxide	--	0.66	

B6: Stack Emission from DG Set No. 6 (Capacity in 500 KVA)

Sr. No	Pollutants	Quantity of Pollutants discharged (mass/day) (g/day)	Concentration of pollutants in discharge (Mass/volume) (g/KWH)	% of variation from prescribed standards with reasons
1	Particulate matter	--	0.12	No deviation from prescribed standards, Sample Monitoring Reports attached as **Annexure-2**
2	Sulphur Dioxide	--	0.49	
3	Carbon Monoxide	--	0.82	
4	Nitrogen Dioxide	--	0.68	

B7: Stack Emission from DG Set No. 7 (Capacity in 20 KVA)

Sr. No	Pollutants	Quantity of Pollutants discharged (mass/day) (g/day)	Concentration of pollutants in discharge (Mass/volume) (g/KWH)	% of variation from prescribed standards with reasons
1	Particulate matter	--	0.11	No deviation from prescribed standards, Sample Monitoring Reports attached as **Annexure-2**
2	Sulphur Dioxide	--	0.45	
3	Carbon Monoxide	--	0.76	
4	Nitrogen Dioxide	--	0.63	

Part D

Hazardous Wastes

[As specified under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016]

Hazardous Waste	Total Quantity disposed (MT)		
	Name of the process waste	**During previous Financial Year 2021-22**	**During Current Financial Year 2022-23**
From Process	Not Applicable	Not Applicable as project started from June-2022	Not Applicable
From Pollution Control Facilities	Not Applicable		Not Applicable
Other	Used or spent oil		Nil

Note: As project execution started from June-2022, all allocated vehicles/equipment were new & hired hence no used oil & oil contaminated waste generated from the newly hired vehicles/equipment at project site during the period FY 2022-23.

Part E

Solid Wastes

Solid Waste	Total Quantity disposed (MT)	
	During previous Financial Year 2021-22	**During Current Financial Year 2022-23**
a) From Process	Not Applicable as project started from June-2022	Not Applicable
b) From Pollution Control Facilities		Not Applicable

c) (1) Quantity recycled or re-utilized with in the unit		Not Applicable
(2) Sold		Not Applicable
(3) Disposed		
Municipal Solid Waste		74

Note: *Municipal solid waste is being disposed on regular basis to the authorized & competent agency i.e. Sindhu Hygiene & Enviro Products Private Limited. Non-biodegradable solid waste, metal scrap, plastics etc, disposed to scrap buyers/authorised agencies.*

Part F

Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

Name of the process waste	Quantity Financial Year (2022-23) in MT	Disposal
Hazardous Waste- Used or spent oil	NIL	As project execution started from June-2022, all allocated vehicles/equipment were new & hired hence no used oil & oil contaminated waste generated from the newly hired vehicles/equipment at project site during the period FY 2022-23.
Municipal Solid Waste	74	Municipal solid waste is being disposed on regular basis to the authorized & competent agency i.e. Sindhu Hygiene & Enviro Products Private Limited.

Part G

Impact of pollution control measures taken on conservation of natural resources and consequently on the cost of production.

The Environment Parameters viz. Ambient Air Quality, Ambient Noise Level, Surface Water Quality, Ground Water Quality, Waste water Quality, Drinking water quality, Soil quality, DG Stack Emissions are being monitored through a NABL accredited agency M/s Spectro Analytical Labs Limited. Water Quality, DG Stack Emission & Noise monitoring being conducted on monthly basis. Ambient Air Quality Monitoring is being conducted at 13 Location in which 12 locations are inside the project boundary and one location is adjacent to the Kishorpur village. Monitoring reports are being regularly submitted to the concerned authorities along with compliance reports of YIAPL's CTE, EC conditions and TPL's CTO conditions.

Following pollution control measures are being implemented at NIA project site:

1. Reducing carbon footprint at our construction sites by using alternate materials M-sand & Fly-ash/GGBS in civil construction activities.
2. Increasing usage of precast elements/Prefab/Steel Structuring in our construction for temporary facilities as it reduces wastage and is resource efficient.
3. Project has developed & established dust mitigation plan.
4. Deployed water tankers for dust suppression through water sprinkling on roads & transit areas.
5. Deployed Automized Mist Guns for effective Dust Control.
6. Developing paved roads & deployed tractor mounted mechanized Brooming Machine for road cleaning on daily basis.
7. All excavated materials handled and transported in semi wet conditions as well as covered/protected by tarpaulin/green net to avoid dust generation.
8. All construction material is being covered/protected by green net/tarpaulin to avoid dust generation.
9. Manual sprinkling is being done during loading, unloading & material shifting activities.
10. Dust control Devices Installed in all batching plants.
11. Dust collector, Bag filters are installed for collection of flyash from the silos and water sprinklers have been installed at storage bins of RMC plant for dust suppression.
12. Covered conveyor belts provided for raw material feeding at batching plant.
13. 10 meter height sheet covering around Boundary of batching plant has been provided. Intensive plantation along the boundary of RMC Plant is in progress.
14. 3 side covered construction material storage bins are provided along with water sprinklers at the top of the storage bins to prevent the fugitive dust emission.
15. 02 No's wheel wash facility has been installed near parking area of project site.
16. Dust masks are provided to all workers to reduce dust inhalation.
17. PUC certificates are mandatory for vehicles & random check are also being carried out.
18. Project has taken initiative to consistently curtail the amount of water consumption, by using curing compound, nanogen based admixtures & adopting curing pump synchronization.
19. Sedimentation tanks has been provided for washing of TMs and concrete wash and the same is being reused again for the mixing of raw materials
20. STP treated water is being used in RMC production process, raw material mixing, curing, water sprinkling.
21. Established the system to segregate waste in three streams Wet,Dry & Hazardous waste.

22. Developed designated locations for storage of Hazardous Waste, C&D waste storage as per the stipulated norms. Engaged authorised agencies for disposal of Bio-medical waste & Hazardous waste as per the prescribed rules.
23. Oil Spill Kits have been procured for taking effective spill control measures.
24. Promoting reuse of waste concrete in making paver blocks, pathways, crash barriers, flowerpots and various temporary structures for site utilities.
25. Dedicated Topsoil soil storage area allotted at various location of project site along with green net barricading as well as proper sloping provided in 1:2 ratio (vertical/horizontal).
26. Developing Greenbelt with native species in the provided areas at project site & it's surrounding.
27. Tree transplantation also being done for replantation or relocation of the trees to the secured location which were cut or moved from the construction sites.
28. Project has developed Environment Cell with qualified personnel.
29. Regular Review of implementation of EMP and Environment aspects is being undertaken regularly at the highest level.

Part H

Additional measures/ investment proposal for environmental protection including abatement of pollution, prevention of pollution

1. Project has initiated for IGBC certification.
2. Project has processed for ISO 14001: 2015 & ISO 45001:2018 Certification and successfully completed Stage-1 Third Party Audit by Certification Firm and preparing for Stage-2 audit.
3. Augmentation of mechanized dust suppression with additional water tankers for road sprinkling & additional heavy-duty automized mist guns.
4. Initiated to install Bio digester to utilize food waste & generate Biogas for utilizing the same in cooking purpose.
5. Switching from DG to Grid electricity/ Solar energy/Hybrid Energy,

Part I

Any other particulars in respect of Environmental protection and abatement of pollution.

1. Conducting Environment Mock Drill, EHS awareness training programs to employees & workmen periodically and displaying posters, sign boards in the prominent location of workplaces.
2. Project has provided Environment Information Display Board as per the direction of pollution control board at the main gate of the Noida International Airport Project Site.

3. Project has placed digital board for continuous display of Ambient Air Quality Monitoring Parameters.
4. Upgrading our fleet with BS- IV to above rated Engines such as BS- VI, Adopting energy efficient appliances i.e VFD in Tower cranes, uses GPS tracking system for monitoring working hours & diesel consumption.
5. Adopting DG Synchronization and Auto on-off System of Street Lights as Energy conservation measures.
6. Various internal & external Audits conducted to ensure continual improvements.
7. Project organised housekeeping drive, plantation drive, plastic segregation drive time to time for mass Environmental awareness.
8. Conducting motivational programs on regular basis to reward Environment Conscious Personnel.