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Third Public-Private Infrastructure Development Facility – Tranche – 1

ANNUAL ENVIRONMENTAL AND SOCIAL COMPLIANCE AUDIT REPORT

Doreen Hotels and Resorts Limited
6A North Avenue C/A, Gulshan 2, Dhaka - 1212, Bangladesh

Doreen Hotels and Doreen Suites Project

March 2022

Prepared by

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List of Abbreviations

ADB	Asian Development Bank
DHRL	Doreen Hotels and Resorts Limited
DOE	Department of Environment
ECR	Environment Conservation Rules
EHS	Environment and Health Safety
EMP	Environmental Management Plan
ERP	Emergency Response Plan
ESSF	Environmental and Social Safeguards Framework
IDCOL	Infrastructure Development Company Limited
IEE	Initial Environmental Examination
IP	Indigenous People
MOEFCC	Ministry of Environment, Forest and Climate Change
PPE	Personal Protective Equipment
SPS	Safeguards Policy Statement
STP	Sewage Treatment Plant

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EXECUTIVE SUMMARY

Background

Doreen Hotels and Resorts Limited (DHRL) has constructed a 5-star hotel at Gulshan 2, Dhaka, Bangladesh. The Doreen Tower building is constructed up to 25 (twenty fifth) floors above ground with 2 basement floors of which as a mixed-used property, 10 floors are leased to various local and international tenants while the remainder floors and areas are dedicated to the hotel. The Suites Annex building is constructed up to 6 floors above ground and 4th floor entire area is being used for hotel purposes with rooms, amenities and various other functional areas. The GPS coordinate of the project is 24°37'29.37" North and 91°39'58.22" East. For financial assistance Doreen Hotels and Resorts Limited has approached Infrastructure Development Company Limited (IDCOL), along with other lenders. Considering the importance of the project, IDCOL has sourced required fund as ordinary capital resources (OCR) under Public-Private Infrastructure Development Facility (PPIDF) Tranche – 01 of Asian Development Bank (ADB).

According to the Environment Conservation Rules (ECR), 1997 of Bangladesh Government, hotel, multi-storied commercial & apartment building project has been classified as **Orange B** Category. Hence, development project of DHRL has fallen into the **Orange B** category. Given the environmental impacts of the Doreen Hotels and Doreen Suits project are mostly site specific, ADB has categorized the project as **B** as per ADB guidelines. Due to the absence of any indigenous habitat in the project area, the project has been categorized as **C** from indigenous peoples (IP) perspective. In addition, as there is no issue of involuntary resettlement or adversely affecting livelihood of any unauthorized entity, the project has been categorized as **C** from involuntary resettlement (IR) perspective. In addition, IDCOL has adopted an Environmental and Social Safeguards Framework (ESSF). According to this ESSF, the proposed project of DHRL seems to be a **High-Risk** project requiring detail environmental impact assessment.

Bangladesh Centre for Advanced Studies has prepared the Initial Environmental Examination (IEE) Report based on the guidelines of Department of Environment (DOE), Government of Bangladesh (GOB) and Asian Development Bank's (ADB's) Safeguard Policy Statement (SPS), 2009.The project has already started its operation. As financial intermediary, there is a requirement of IDCOL to submit an annual Environmental and Social Compliance Audit Report of this project to ADB to share the major findings. Accordingly, this audit report has been prepared by IDCOL.

Audit overview and findings

The audit period (January 2021 to December 2021) of this Environmental and Social Compliance was influenced with the requirement of subsequent social distancing and precautionary measures due to COVID. Hence, there was limited scope to physically visit the project and to consult with adjacent neighborhoods. However, respective officials of Environmental and Social Safeguards Unit (Infrastructure), IDCOL have reviewed the available relevant documents and clearances. The audit deals with the implementation of environmental and social safeguards during the operation phase in light of the Initial environmental Examination (IEE) report. During audit, the commitment of DHRL to comply with environmental and social safeguards have been found as responsive.

1.0 INTRODUCTION

1.1 PROJECT PROPONENT

Doreen Hotels and Resorts Limited (DHRL) is a concern of Doreen Group incorporated on 19 December 2007 as a private limited company. The company has executed a Hotel Management Agreement (HMA) with an internationally reputed hotel chain operator named 'Starwood Hotels and Resorts' a company registered in the USA through its subsidiary based in Singapore to maintain this hotel property in International Standards as a 5 (five) star hotel under Starwood management through its globally reputed brand, "The Four Points by Sheraton". The location of the project is close to the growing commercial area of Gulshan which is an added attraction and convenience to the frequent business travelers who constitute a major share of all visitors within and to the country. The 149-key hotel is being developed by DHRL while the operations is assisted by Marriott International Inc. under a 15-year term contract with DHRL effective from 2 May 2013.

1.2 AREA AND LOCATION OF THE PROJECT

The project sites are located at Gulshan Circle 2 Commercial Area at 6A North Avenue C/A, Gulshan, Dhaka and another is House 15/B, Road 35, Gulshan 2, Dhaka, Bangladesh. The project site comprises about net 18.40 katha of land shared between the Doreen Tower having 8.40 katha and the Suites Annex having 10 Katha. The land of Doreen Tower is owned by the project proponent as the original allotted and the land of Suites Annex has been purchased from individual landowners through willing buyer-willing seller arrangement by following the rules and regulation of Rajdhani Unnayan Kartripakkha (RAJUK) and the relevant authorities of the Government of Bangladesh. Details of areas surrounding the proposed project site are as under:

- East: Continuation of Kamal Ataturk Road which is 25m wide paved road, commercial establishment and settlement
- South: Gulshan Avenue which is 25m wide paved road, commercial establishment and high rise building for residence
- North: Continuation of Gulshan Avenue which 25m wide paved road, commercial establishment and high rise building for residence
- West: Kamal Ata Turk Avenue which 25m wide paved road.

The GPS coordinate of the project is 24°37'29.37" North and 91°39'58.22" East. Location map of the project has been shown in **Annex 03**.

1.3 BRIEF DESCRIPTION OF THE PROJECT

DHRL authority has constructed a 5-star hotel at Gulshan 2, Dhaka, Bangladesh within land and premises having the legal rights of DHRL. The total area of the hotel would be for accommodating approximately 139 guest rooms with 3 meeting rooms and one large size banquet hall, restaurant, bar, gym, swimming pool, car parking, kitchen, lobby etc.

The Doreen Tower building is constructed up to 25 (twenty fifth) floors above ground with 2 basement floors of which as a mixed-used property, 10 floors are leased to various local and international tenants while the remainder floors and areas are dedicated to the hotel.

The Suites Annex building is constructed up to 6 floors above ground and 4th floor entire area is being used for hotel purposes with rooms, amenities, and various other functional areas.

Power System

The Doreen Tower requires a total connected load of 2,600 kW. The site is already connected with the Dhaka Electric Supply Company (DESCO). Base power has been supplying from DESCO through a Sub-Station of 2500 KVA, 11/. 4 KV Transformer. In addition of this, alternative power supply has also been provided by using Diesel Generator. To regulate the voltage, AVR (Auto Voltage Regulator) has also been provided in Sub-Station.

Water Supply System

The water supply for the project is being extracted from the ground water through deep tube well as well as from WASA supply. The discharge of the intake pumps is piped to the water storage tank. The water storage tanks is located in elevated positions in order to provide sufficient head of approximately 100 meters to distribute the water. The water system provides for the feed to the miscellaneous cooling, flushing, landscape watering and road cleaning as well as for drinking and household services. This tank having a capacity 70,000 liters also has a dedicated reserve for the fire protection system and the tank connections shall be arranged such that during normal operation this reserve cannot be drawn down.

Wastewater Management

A Sewerage Treatment Plant (STP) is being installed in order to ensure that the discharged water quality is within the standards specified of DOE i.e. BOD level in the discharged effluent is below 50 ppm. The STP is 22 feet by 9 feet in dimension and it has three chambers i.e. the digestion chamber, the sedimentation chamber and sludge storage chamber. The work process of the STP is on process and will run fully within this year. The chambers have been installed already and further work is on process.

1.4 OBJECTIVES OF THE ENVIRONMENTAL AND SOCIAL COMPLIANCE AUDIT

The audit has been conducted with the aim to assess the project's compliance with-

(i) Environment Conservation Rules (ECR)1997 of GOB;

(ii) Environmental and social safeguards according to the Environmental and Social Safeguards Framework (ESSF) of IDCOL;

(iii) Environmental and social safeguards according the Safeguards Policy Statement (SPS), 2009 and other relevant standards and guidelines of the ADB;

(iv) Proposed mitigation measures and monitoring procedures according to the environmental management plan (EMP), resettlement action plan (RAP) as are applicable.

1.5 METHODOLOGY

The audit includes the following steps:

(i) Review the environmental and social safeguards documents including environmental impact assessment report;

(ii) Assess actual implementation of the guidelines/action plan of the safeguard related documents (as available).

1.6 REPORTING PERIOD

The reporting period of this Environmental and Social Compliance Audit Report is January 2021 to December 2021.

1.7 CHANGES IN PROJECT SCOPE

There is no change in the technology and operational process as have been declared by the respective government and accepted by DHRL. So, it can be said that the Environmental Management Plan (EMP) of ADB approved Initial Environmental Examination (IEE) is fully applicable during the reporting period as well.

1.8 ENVIRONMENTAL MONITORING

The parameter, frequency and methodology of environmental monitoring are in accordance with EMP of ADB approved IEE, as has been detailed in chapter 3 of this audit report.

2.0 REGULATORY REQUIREMENTS

2.1 ENVIRONMENT CONSERVATION RULES, 1997 OF BANGLADESH

The project has to comply with the Environment Conservation Rules (ECR), 1997. According to the categorization of ECR, 1997, the project has been categorised as **Orange B**[1] meaning that it has moderate adverse environmental impacts, which are to be mitigated with proper mitigation measures.

2.2 ENVIRONMENTAL AND SOCIAL COMPLIANCE RELATED STANDARDS AND GUIDELINES OF ASIAN DEVELOPMENT BANK

The project has to be complied with Safeguards Policy Statement (SPS), 2009 of ADB in regard of environmental and social (E&S) compliances. Considering the adversity of environmental impacts, it has been categorized as **B** from environmental safeguard point of view. As no record of any indigenous habitat has been found at project location, the project has been categorized as **C** in respect of Indigenous People (IP). Also, the land of the economic zone has been acquired through a “willing buyer willing seller” basis, as no physical and economic displacement in terms of involuntary acquisition of land and involuntary restrictions on land use is triggered, the project has been identified as category **C** in respect of Involuntary Resettlement.

2.3 ENVIRONMENTAL AND SOCIAL SAFEGUARDS FRAMEWORK OF IDCOL

IDCOL has adopted an Environmental and Social Safeguards Framework (ESSF) in 2011, which is to be complied with all infrastructure projects as are to be funded IDCOL. According to the environmental categorization of ESSF, the project has been categorised as **High-Risk** project requiring significant compliance safeguards including comprehensive environmental impact assessment and regular monitoring. In consideration of social categorization, the project has been categorised as **Low Risk** as no involuntary resettlement of livelihood or economic impact has been experienced as well as no existence of Indigenous People in the project area.

[1] Schedule-1 of ECR (project no. 6 of Red category), 1997

3.0 IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

3.1 COMPLIANCE WITH ENVIRONMENT CONSERVATION RULES, 1997

DHRL has to comply with the requirement of ECR, 1997 of the DOE. In the following Table 3.1, the compliance status of DHRL, in regard of major milestones of ECR, 1997 is depicted.

Table 3.1: Compliance with the requirement of ECR, 1997

Basic Requirement	Compliance Status
Award Site/Location Clearance Certificate	Complied
Award EIA approval	Complied
Award Environmental Clearance Certificate	Complied
Renewal of Environmental Clearance Certificate	Complied

3.2 COMPLIANCE WITH ENVIRONMENTAL MANAGEMENT PLAN

a. Institutional arrangement

The environmental and social compliances are dealt by DHRL project team. An organizational structure of implementation arrangement in given in **Annex 7**. Currently, Md. Shoriful Islam is with the responsibilities of Manager-Environment and Safety. He is being assisted by Md. Hasan Ali, Executive – Health & Safety and MD. Shahinuzzaman, Executive – Hazardous Wastes.

b. Compliance status

In the IEE, several activities having potential adverse environment impacts and occupational health safety aspects during operation phase have been identified. The progress status on implementation of environmental and social compliance activities have been tabulated in **Annex 10**. DHRL has communicated an Annual Working Plan which mentions to install the Sludge Treatment Plant (STP) within 2022. The following table 3.2, shows the legal license status of DHRL for the reporting period.

Table 3.2: Compliance of the legal requirements

Sl.	License Name	Renewal Date	Expire Date
1	Trade License for Doreen Tower	28.07.2021	29.07.2022
2	Trade License for Doreen Suites	28.06.2020	30.06.2021
3	Fire license	10.06.2021	30.06.2022
4	Environmental Clearance Certificate	28.01.2021	29.05.2022
5	DESCO Clearance Certificate	25.02. 2010	-
6	WASA Clearance Certificate	08.07.2013	-

In the following Table 3.3, suitable mitigation measures to address these impacts according to the EMP and actual responses by DHRL has been discussed.

Table 3.3: Response of DHRL on project activities and mitigation measures

Project Activity	Potential Impacts	Proposed mitigation measures in EMP	Actual implementation	Compliance status
Air emission for backup electricity generation	Air Quality Degradation	• Leakage repairing of exhaust, steam, compressed air pipeline • Improve ventilation system • Installation of abatement measures (gas scrubber, particulate filter etc.) to the emission sources • Road watering/road paving with stone to reduce dust generation • Tree plantation around the facility premises	• Ambient air quality test has been conducted and found within the applicable limit. • Some trees have been planted around the project premises **(Annex 06)**	Complied
Noise generation from machineries	Noise Level Deterioration	• Make use of soundproof windows and curtains • Install noise dampening wall panels and ceilings tiles • Insulate walls and floors • Ensure use of (PPE) earmuffs and earplugs in necessary areas (i.e., generator, Compressor, and fire pump room) • Built 300 mm thick wall to separate generator room to reduce the impact of noise. • Servicing of process and operation equipment according to manufacturer's recommendation	• Ambient noise level test has been conducted and found within the applicable limit.	Complied
Waste Generation	Pollution of ambient environment from generated solid wastes	• Develop and implement an appropriate waste management plan based on 5R (reduce, reuse, repair, rot and recycle) • Ensuring proper segregation, storage, labeling and disposal of all solid waste • Maintain proper waste inventory • Maintain floor wise segregated waste collection bin with proper labeling • Reuse/recycle waste whenever possible (i.e., food waste as compost, recycle paper, recycle leftover etc.) • Use refillable dispensers for soaps, shampoos, and conditioners • Use washable cloth products and dishware instead of disposable ones • Introduce color coded bins for organic wastes	• STP equipment has been procured to install the sludge treatment plant **(Annex 04)** • A garbage room has been organized for management of the wastes and segregated waste collection bin has been introduced **(Annex 06)** • Paper wastes are being reused and other wastes are being sold to authorized local third-party waste collectors • The domestic liquid wastes are being disposed to the	Complied

Project Activity	Potential Impacts	Proposed mitigation measures in EMP	Actual implementation	Compliance status
		• Ensure use of (PPE) like hand gloves, safety boots, goggles' etc. in time of handling hazardous waste.	sewar line through the septic tank	
Regular Hotel Operation	Impact on Health and Safety	• Set up warning signs, signals and provide helmets and harness for workers in accordance with relevant accident prevention and work safety procedure • Use of Apron, Face Shields, Hand Gloves, Mask when cleaning any guest room • Use of Face Shields, Mask, Hand Sanitizer at the reception • Use of Hand Sanitizer and Infrared Thermometers at the entrance of the hotel • Maintenance of Ventilation System to supply fresh air in the hotel • Maintain well-planned sanitary facilities in the washrooms and kitchen • Promote health education campaign among workers and guests	• Warning signs, emergency exit signs have been introduced **(Annex 06)** • Face masks, hand sanitizers have been provided **(Annex 06)** • Infrared thermometer and hand sanitizing facility has been introduced • Ventilation system has been installed to supply fresh air inside the building **(Annex 06)**	Complied
Liquid Waste Generation	Water Pollution & Ground Water Depletion	• Upgrade existing septic tank into a modern treatment technology (i.e., Sewage Treatment plant (STP)) • Install water trigger nozzle, low-flow faucet aerators in water consuming point • Regular test for drinking water • Install water flow meter	• Wastewater quality test has been conducted. • Drinking water quality test has been measured and found within the applicable limit. • STP equipment has been procured to install the sludge treatment plant **(Annex 06)** • The domestic liquid wastes are being disposed to the sewar line through the septic tank	Complied
Fires, explosion and other accidents	Risk of human health and property damage	• Use of personal protective equipment during operation and maintenance. • Regular inspection of electrical lines for faults prone to accidents. • Provision of fire protection equipment. • Provision of Lightening arrestors.	• Health, safety signage has been implemented in the project premises.	Complied

Project Activity	Potential Impacts	Proposed mitigation measures in EMP	Actual implementation	Compliance status
			• Fire extinguisher and firefighting systems has been arranged. • Lightening arrestors has been installed **(Annex 06)**	
Hotel Building, Access Road & Car parking and passage	Traffic and Transportation	• Ensure that the entrance of the hotel is kept traffic congestion free through adequate controls manually and through signs. The basements floors should be managed for parking.	• Designated Entry-Exit point has been placed. • Designated guards have been assigned to control the traffic movement in front of the premises.	Complied

c. Environmental monitoring

I. Technical approach of environmental monitoring

In the EMP of the IEE, environmental monitoring has been required during both construction and operation phase. The air, water and noise quality monitoring schedule are depicted in Table 3.4.

Table 3.4: Monitoring parameters and frequency of monitoring

Key parameters to be monitored: (1) Ambient Air Quality		
location	**frequency**	**parameter**
At project site	Quarterly (routine) analysis	PM_{10}, $PM_{2.5}$, SO_2, NO_x, CO
Key parameters to be monitored: (2a) Wastewater		
location	**frequency**	**parameter**
Project site at Gulshan 2	Quarterly (routine) analysis	pH, DO, BOD, COD, EC, TDS
Key parameters to be monitored: (2b) Drinking Water		
location	**frequency**	**parameter**
Project site at Gulshan 2	Monthly (routine) analysis	pH, DO, EC, TDS, Iron, Arsenic, Total Coliform
Key parameters to be monitored: (3) Noise		
location	**frequency**	**parameter**
At four corners of Project boundary	Quarterly (routine)	Limits in dBA

Table 3.5: Ambient air quality at project site

Locations	**24 October 2021**				
	PM_{10}	**$PM_{2.5}$**	**SO_2**	**NO_x**	**CO**
Doreen Hotels (Near Main Gate) (GPS Coordinate: N23º47′39.35″ & E90º24′49.55″)	146.67	58.82	43.90	98.26	Nill
Doreen Suites (Near Main Gate) (GPS Coordinate: N23º47′31.11″ & E90º24′48.97″)	110.48	45.45	6.97	66.21	Nill
UoM	µg/m^3	µg/m^3	µg/m^3	µg/m^3	ppm
Method of Analysis	Gravimetric	Gravimetric	West-Geake	Jacob & Hochheiser	Sensor
Sampling Duration	8 hrs	8 hrs	8 hrs	8 hrs	1 hrs
National Standard	150	65	365	100	35

Source: Monitoring Test conducted by DHRL
National Ambient Air Quality Standard of Bangladesh (NAAQS, 2005-SRO no 220- law/2005).

Table 3.6: Ambient noise level at project site

Sample Location		28 December 2021	
		Day (6.00 am to 9.00 pm)	DoE Standard
Doreen Suites	Near Desk of Doreen Suites	65.38	70
	Inside Building	58.48	70
	Inside Building	58.64	70
	Near Generator Room	60.39	70
	1st Floor	52.45	70
	1st Floor	52.80	70
	2nd Floor	46.97	70
	3rd Floor	50.20	70
Doreen Tower	Main Gate of Doreen Tower	67	70
	Beside Main Road	65	70
	Inside Building	69	70
	Outside Generator Room	68	70
	Method/Instrument	**Sound Level Meter Model: SL – 4033SD**	

Source: Monitoring conducted by DHRL
ECR 1997, Standard of DOE (Schedule - 04).

Table 3.7: Wastewater quality at project site

Parameter	UoM	24 October 2021		DOE Standard
		Doreen Hotels	Doreen Suites	
pH	-	8.44	8.16	6.0-9.0
BOD	mg/l	7.8	8.4	50
COD	mg/l	224	320	200
DO	mg/l	5.8	7	4.5-8.0
EC	µs/cm	1245	362	1200
TDS	mg/l	622	181	2100

Source: Monitoring conducted by DHRL
ECR 1997, Standard of DOE (Schedule – 10, rule – 13).

Table 3.8: Drinking water quality at project site

Parameter	UoM	24 October 2021		DOE Standard
		Doreen Hotels	Doreen Suites	
pH		5.64	6.74	6.5 – 8.5
EC	µs/cm	415	267	
DO	mg/l	6.0	6.5	6
TDS	mg/l	208	134	1000
Iron	mg/l	<LOD	<LOD	0.3 – 1.0
Arsenic	mg/l	<LOD	<LOD	0.05
Total Coliform	/100ml	8	416	

Source: Monitoring conducted by DHRL
ECR 1997, Standard of DOE (Schedule - 03).
LOD = Lower of Detection Limit (As – 0.001 mg/l, Fe – 0.01 mg/l)

II. Result of environmental monitoring

The ambient air quality has been found to comply with the acceptable limit of DOE. No significant noise has been observed which is being generated from the project activities. The quality of housekeeping has been found to be as satisfactory. Different types of wastes have been found to deposit and dispose in safe manner. While reviewing the monitoring report of wastewater, the Dissolved Oxygen limit of the two locations (Doreen Hotels and Doreen Suits) of DHRL have been found exceeding the acceptable limit of DOE. But the drinking water quality parameters have been found to be within the limit of DOE.

III. Disclosure of environmental monitoring

As disclosure of environmental monitoring, DHRL has kept the copy monitoring result available at project site.

IV. Monitoring adjustment measure

As the air, drinking water and noise monitoring result have been found to be within the limit, no adjustment measure has been recommended. In the case of two wastewater parameters that exceeded applicable standards, it has been communicated with the project sponsor to take necessary measures to reduce the DO level.

Proposed Mitigation Measures for Wastewater Quality:

As the EC has been found to be crossed the standard limit of DoE, below are some mitigation measures that have been proposed:

- Reduce wastewater at the source by improved technologies, e.g., low water washing machines and toilet systems, or using recycled water (greywater) in toilets.
- Water reclamation and reuse offer an effective means of conserving the limited high-quality freshwater supplies and reduces the amount of water in waste – and storm water treatment plants, while helping to meet the growing demands for water.
- Change of EC process to an updated process
- Ensure proper storage and de-sludge frequency of the wastewater.

Corrective Action Plan for Drinking Water Quality

As the drinking water from the site contains coliform ranges from 8 to 416/100ml. Also, the water sample of Doreen Hotel was found slightly acidic some corrective action plans have been adopted for further improvement.

After the test result, it was later decided that water filters will be changed every month and no person will be allowed to drink the water if the filter is not changed. Moreover, the facility has planned to test and monitor the drinking water every month.

3.3 COMPLIANCE WITH SAFEGUARDS POLICY STATEMENT, 2009 OF ADB

It is already said that the DHRL project has to comply with the requirement of SPS, 2009 of ADB. Accordingly, the compliance of this project in regard of major EHS related requirement are mentioned in Table 3.9.

Table 3.9: Compliance with important EHS aspects during operation phase

ADB Requirements	Issue and Description of Observation	Compliance Status
Environment Assessment requirements for various financing modalities	Bangladesh Centre for Advanced Studies (BCAS) conducted the environmental impact assessment	Complied
Occupational and Community Health and safety	DHRL has been responsive on application of PPE.	Complied
Biodiversity conservation and sustainable natural resource management	The activities in relevant to operation phase seems to be inadequate to adversely affect the biodiversity and natural resource management in the project area to a greater extent. But due to the long-term operation of the project, there could be limited/minimal impact to the local biodiversity.	Complied
Pollution prevention and abatement	The available monitoring result has been found to be within the acceptable limit.	Complied
Physical Cultural resources	Due to the unavailability of designated physical cultural resources within the range of close distance, the issue of adversely affecting the physical cultural property seems not to be relevant with the project.	Complied

4.0 IMPLEMENTATION OF SOCIAL SAFEGUARDS

4.1 IMPACT ON RESETTLEMENT OF THE PROJECT AFFECTED PEOPLE AND LIVELIHOOD

As the project site is a purchased land of DHRL through willing seller-willing buyer arrangement, there is no issue of resettlement. In addition, the project is not associated with any adverse impact on the livelihood of any local household.

4.2 INSTITUTIONAL ARRANGEMENT ON SOCIAL SAFEGUARD

Institutional arrangement

The environmental and social compliances are dealt by DHRL project team. An organizational structure of implementation arrangement in given in **Annex 7**. Currently, Md. Shoriful Islam is with the responsibilities of Manager-Environment and Safety. The social compliances are also being dealt by him.

Grievance Redress Mechanism

For ensuring proper redressal of grievances, DHRL has arranged systems to collect complaints and comments from customers as well as stakeholders. Due to Covid – 19 induced lockdown, GRM system was not introduced to the community people by any other means, but during the baseline survey and public consultation, the GRM system, and its activities were introduced to the local people.

4.3 IMPACT ON INDIGENOUS PEOPLE

Based on the primary observation during site visit and secondary sources, no habitat of any indigenous community has been reported at the surrounding areas of the project site. So, the project has been categorized as **C** for Indigenous Peoples (IP) safeguards concluding that there is no issue about adversely affecting IP neither in construction phase nor in operation phase.

DHRL is expected to be gender and caste neutral. So, any qualified person coming from the indigenous community will be equally treated during the recruitment process and will be given the same benefits as like as other personnel.

4.4 CHILD LABOUR

The Bangladesh Labour Act 2006 (Act XLII of 2006) also defines the “child” and the “adolescent” on the basis of age. As per section 2(8) of the Act, a person who has attained the age of 14 but below the age of 18 is considered to be an „adolescent‟ and as per section 2(63), a person not attaining the age of 14 is defined as a “child‟.

According to The National Child Labour Elimination Policy 2010, following rights are to be complied with, in regard of addressing child labour Issue:

- Employing children according to the age determined by the Acts and not to employ children below 14 years as a regular employee;

- Ensuring the children at domestic work not to perform any hazardous work and providing them with proper food and accommodation, education, recreation since they work full time; and
- Refraining child workers from physical, mental, sexual persecution and abuse.

DHRL has been reported to be careful about the child labour issue.

4.5 PUBLIC CONSULTATION AND DISCLOSURE OF INFORMATION

Respective IDCOL officials has physically visited the project site during the reporting period but due to COVID-19 situation, it was difficult to conduct public consultation during that project site visit. However, in future, IDCOL officials will try to conduct detail public consultation with adjacent neighborhoods.

4.6 ENHANCEMENT

DHRL acknowledges the importance of satisfactory relationship to adjacent communities. DHRL has contributed generating employment for the localities.

4.7 OCCUPATIONAL HEALTH AND SAFETY (OHS) AND EMERGENCY RESPONSE

The project proponent is holding various OHS trainings and workshops during operation phase. All these drills are conducted every month and is monitored and supervised by the respective head of the operation. These trainings are:

1. Fire, Health & Safety Committee Meeting
2. Hazard Communication
3. CPR and First Aid
4. Bomb Threat
5. Fire Evacuation Drill

Moreover, the project proponent has formulated an Emergency Response Team which always stays alert and are trained over timely manner. Monthly trainings are performed for the team by the head operations and are monitored by the supervisors.

During the reporting period, it has been reported by the project proponent that no accidents or health safety incidents have been occurred in the project site.

4.8 TRAFFIC MANAGEMENT

During the operation phase it was forecasted to have an adverse impact on the surrounding traffic condition as vehicle movements is to be increased substantially. DHRL has planned to implement all the necessary traffic management measures to control and maintain the traffic around the project site. The adopted measures include following steps:

- Separate entry and exit points for the vehicles
- Build upon separate walkway for the drop in and drop off point.
- Adequate parking space for the guests as well as authority

- Separate parking area for large vehicles
- Maintenance of traffic logbook
- DHRL will be appointing a security team who will always monitor and access the traffic on site.
- An onsite accident or traffic logbook will be maintained for the sites.

5.0 CORRECTIVE ACTION PLAN

DHRL has been responsive to the EMP. They have been found to maintain the required mitigation measures to address the potential impacts. From social safeguard perspective, it has been reported that there is no significant grievance neither from any internal stakeholder nor from any external stakeholder.

6.0 CONCLUSION

Based on the findings of environmental and social compliance audit, it can be concluded that DHRL is responsive on environmental and social safeguards.

Annex 1: Renewal of Environmental Clearance Certificate

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
পরিবেশ অধিদপ্তর
ঢাকা মহানগর কার্যালয়
পরিবেশ ভবন, ই/১৬, আগারগাঁও, ঢাকা ১২০৭
www.doe.gov.bd

পরিবেশগত ছাড়পত্র নবায়ন

ছাড়পত্র নং: ২১-৫৯৯৭৪

পরিবেশগত ব্যবস্থাপনা নিশ্চিতকরণ সাপেক্ষে সংযুক্ত শর্তে নিম্নবর্ণিত প্রতিষ্ঠান/প্রকল্পের অনুকূলে পরিবেশগত ছাড়পত্র নবায়ন প্রদান করা হলো :

প্রতিষ্ঠান/প্রকল্পের নাম	: Doreen Hotels & Resorts Ltd.
উদ্যোক্তার নাম	: Tanzir Alam Siddique
সনাক্তকরণ নং	: ১১৯৯৬৫
প্রতিষ্ঠান/প্রকল্পের কার্যক্রম	: আবাসিক হোটেল
প্রতিষ্ঠান/প্রকল্পের শ্রেণী	: Orange-B
প্রতিষ্ঠান/প্রকল্পের ঠিকানা	: 6/A, North Avenue, Gulshan C/A, Gulshan-02, Dhaka.,Gulshan,Dhaka
প্রদানের তারিখ	: 28.01.2021
মেয়াদ উত্তীর্ণের তারিখ	: 29.05.2022

এ ছাড়পত্র সনদের সাথে পৃথকভাবে সংযুক্ত প্রদত্ত শর্তাবলী যথাযথভাবে প্রতিপালন করতে হবে, অন্যথায় ছাড়পত্র বাতিল/ক্ষতিপূরণ আদায়সহ যে কোন আইনানুগ ব্যবস্থা গ্রহণ করা হবে।

বিঃদ্রঃ এটি একটি সিস্টেম জেনারেটেড ছাড়পত্র এবং এতে কোনোরূপ স্বাক্ষরের প্রয়োজন নেই।

ছাড়পত্রটি যাচাই করতে ভিজিট করুন: http://ecc.doe.gov.bd/certificate_verification
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পরিবেশগত ছাড়পত্র নবায়ন এর জন্য প্রযোজ্য শর্তাবলী:

১ . এ ছাড়পত্র শুধুমাত্র ০২(দুই) তারকা মানের আবাসিক হোটেল পরিচালনার ক্ষেত্রে প্রযোজ্য হবে।

২ . আবাসিক হোটেলের অনুকূলে এ দপ্তরের গত ২৯.০৫.২০১৬ তারিখ নং-৩০.২৬.২৬.৩.৩২৮.০৬০২১৩.ছাড়-৫৭ সংখ্যক স্মারকে যাবতীয় শর্ত প্রতিপালন করতে হবে।

৩ . দাখিলকৃত ৩০ঘনমিটার/দিন ক্ষমতা সম্পন্ন এসটিপি-এর ডিজাইন মোতাবেক আগামী ২৮.০৮.২০২১ তারিখের মধ্যে এসটিপি-এর নির্মাণ কাজ সম্পন্ন করে অত্র দপ্তরকে লিখিতভাবে অবহিত করতে হবে।

৪ . আগামী ২৮.০৯.২০২১ তারিখ এসটিপি পরিশোধিত পানির গুনগতমান(বিওডি, নাইট্রেড, ফসফেট, এসএস, উষ্ণতা, কলিফর্ম) বিশ্লেষণ ফলাফল এ কার্যালয়ে দাখিল করতে হবে।

৫ . এসটিপি নির্মাণের পর প্রতি তিন মাস অন্তর অন্তর এসটিপি পরিশোধিত পানির গুনগতমান(বিওডি, নাইট্রেড, ফসফেট, এসএস, উষ্ণতা, কলিফর্ম) বিশ্লেষণ ফলাফল এ কার্যালয়ে দাখিল করতে হবে।

৬ . এসটিপি-এর মাধ্যমে পরিশোধিত পানি পুনঃব্যবহার ও পুনঃ চক্রায়ন প্লান আগামী ২৮.০৯.২০২১ তারিখের মধ্যে দাখিল করতে হবে।

৭ . এসটিপি-এর নির্মাণ কাজ সমাপ্ত না হওয়া পর্যন্ত আবাসিক হোটেলের অপরিশোধিত পয়ঃ বর্জ্য পরিশোধন ব্যতিত বাইরে নির্গমণ করা যাবেনা।

৮ . প্রকল্পের কার্যক্রম সম্প্রসারণের ক্ষেত্রে পরিবেশ অধিদপ্তরের অনুমোদন গ্রহণ করতে হবে।

৯ . হোটেলের কিচেনের ফিউম হুড সার্বক্ষণিক কার্যকর রাখতে হবে।

১০ . আবাসিক হোটেল পরিচালনাকালে কর্মরতদের পেশাগত স্বাস্থ্য সুরক্ষা সামগ্রী (যেমনঃ গ্লাভস, হ্যালমেট, ইয়ার প্লাগ, নোজ মাস্ক, শক্ত বুট ইত্যাদি) সার্বক্ষণিকভাবে ব্যবহার করতে হবে।

১১ . প্রতিষ্ঠানের শব্দের মানমাত্রা শব্দ দূষণ (নিয়ন্ত্রণ) বিধিমালা, ২০০৬ এবং তরল বর্জ্য নির্গমন ও গ্যাসীয় নিঃসরণ মানমাত্রা পরিবেশ সংরক্ষণ বিধিমালা, ১৯৯৭-এ বর্ণিত মানমাত্রার মধ্যে রাখতে হবে। কোন অবস্থায় শব্দের মানমাত্রা ও তরল বর্জ্য নির্গমন এবং গ্যাসীয় নিঃসরণ মানমাত্রা বিধিমালার নির্ধারিত মানমাত্রা অতিক্রম করা যাবে না।

১২ . সব ধরণের বর্জ্যরে ক্ষেত্রে বিশেষতঃ কঠিন বর্জ্য ব্যবস্থাপনায়, উৎসে বর্জ্য পৃথকীকরণ করতে হবে এবং বর্জ্য হ্রাস, পুনঃব্যবহার ও পুনঃচক্রায়ন নীতিমালা তথা 3R(Reduce, Reuse, Recycle) Principles অনুসরণ করতে হবে। এছাড়া পৃথকীকৃত বর্জ্য আবৃত অবস্থায় উপযুক্ত সময়ে নিকটস্থ সিটি কর্পোরেশনের ট্রান্সফার স্টেশন/ডাম্পিং গ্রাউন্ডে স্থানান্তর/পরিবহনের বিষয়টি উদ্যোক্তা নিজস্ব উদ্যোগ/সিটি কর্পোরেশনের সহায়তায় নিশ্চিত করবেন।

১৩ . প্রতিষ্ঠানের কার্যক্রম দ্বারা পরিবেশ ও প্রতিবেশের ক্ষতিসাধন করা হলে Polluters Pay Principle অনুসারে ক্ষতিপূরণ ধার্য করে নির্ধারিত সময়ের মধ্যে ধার্যকৃত ক্ষতিপুরণ আদায় করা হবে।

১৪ . ছাড়পত্র নবায়নের মেয়াদ শেষ হইবার অন্ততঃ ত্রিশ দিন পূর্বে প্রাসঙ্গিক কাগজপত্রসহ অন-লাইনে নবায়নের জন্য আবেদন করতে হবে।

১৫ . উপর্যুক্ত শর্ত এবং পরিবেশগত ছাড়পত্রের প্রদত্ত অন্যান্য শর্তাবলী প্রতিপালনে ব্যর্থ হলে ছাড়পত্র বাতিল বলে গণ্য হবে এবং বাংলাদেশ পরিবেশ সংরক্ষণ আইন, ১৯৯৫ (সংশোধিত-২০১০) এবং পরিবেশ সংরক্ষণ বিধিমালা, ১৯৯৭ অনুযায়ী আইনগত ব্যবস্থা গ্রহণ করা হবে।

Annex 2: Fire License

ক্রমিক নং

অনিবেপ্র ০০৩
প্রথম সংস্করণ ২০১২

ফায়ার লাইসেন্স

লাইসেন্স নম্বর	ডি	ডি	/	ঢা	কা	/	৩	১	৭	৯	৩	/	২	০	২	১				

এতদ্বারা অগ্নি প্রতিরোধ ও নির্বাপণ আইন ২০০৩ এর ৪ ধারা অনুযায়ী এবং উল্লেখিত শর্তাবলী সাপেক্ষে ফায়ার লাইসেন্স ইস্যু করা হইল।

১। মালগুদাম/কারখানার মালিক/ব্যবহারকারী/কর্তৃপক্ষের নাম, পদবী ও ঠিকানা ঃ

ডরীন হোটেলস এন্ড রিসোর্টস লিমিটেড

প্লট নং-১৬বি, রোড-৩৫, ব্লক-সি, ডব্লিউ এন (বি), গুলশান-২, ঢাকা-১২১২।

ফোন ঃ ..... ফ্যাক্স ..... ই-মেইল ঃ .....

২। মালগুদাম/কারখানার অবস্থান ঃ (ক) প্লট নং/হোল্ডিং নং .....

(খ) দাগ নং - ..... (গ) খতিয়ান নং - ..... (ঘ) জে এল নং .....

(ঙ) মৌজা - ..... (চ) রোড নং - ..... (ছ) ডাকঘর - .....

(জ) থানা গুশলান ..... (ঝ) উপজেলা - ..... (ঞ) জেলা ঢাকা .....

৩। ভবনের ব্যবহার শ্রেণী ঃ ওকুপেন্সি শ্রেণী-ইন্ডাস্ট্রিয়াল 'জি-২' (৬ষ্ঠ তলা ভবনের ১ম-৬ষ্ঠ তলা)

৪। ভবনের নির্মাণ শ্রেণী ও পরিমাপ ঃ 'টাইপ-১'

শ্রেণী-১	শ্রেণী-২	শ্রেণী-৩	দৈর্ঘ্য	প্রস্থ	উচ্চতা	মোট মেঝের ক্ষেত্রফল (বর্গ মিটার)
						৪৫৭৭২ বর্গফুট

Scanned with CamScanner

৫। দাহ্য বস্তুর নাম ও মজুদ পরিমাণ ঃ সুতিজাত দ্রব্য, আসবাব পত্র, বিছানাপত্র ইত্যাদি

৬। ব্যবসার ধরন ঃ আবাসিক হোটেল

৭। অগ্নি ঝুঁকির মাত্রা ঃ (ক) হালকা-১ (খ) হালকা-২ (গ) সাধারণ-১ (ঘ) সাধারণ-২ (ঙ) সাধারণ-৩ (চ) অতিমাত্রা

৮। অগ্নি ঝুঁকির শ্রেণীবিন্যাস (মোট ফ্লোর এরিয়ার আনুপাত ভিত্তিতে) ঃ A.....%, B.৯৮.....%,C.....২.....%, D.....%, K.....%,

৯। মাশুলের পরিমাণ ঃ ৭৬০০/- এবং ভ্যাট=১১৪০/-

১০। নবায়নকৃত অর্থবছর ঃ লাইসেন্সের মেয়াদ ৩০ শে জুন ২০২২ পর্যন্ত।

*অগ্নি প্রতিরোধ ও নির্বাপণ আইন ২০০৩ এবং BNBC-2020 এর Fire Protection Plan-এ বর্ণিত অগ্নিনিরাপত্তা ব্যবস্থাসহ ফায়ার এলার্ম, ফায়ার হাইড্রেন্ট, রাইজার, ইমারজেন্সি ফায়ার এক্সিট অবিলম্বে স্থাপন ও শতভাগ কার্যকর নিশ্চিত করার জন্য নির্দেশনা প্রদান করা হল।

উপ-পরিচালক/সহকারী পরিচালক/উপ-সহকারী পরিচালক
ফায়ার সার্ভিস ও সিভিল ডিফেন্স, ঢাকা বিভাগ, ঢাকা।

দিনমনি শর্মা, পিএন-১০০০১৭
উপপরিচালক
ফায়ার সার্ভিস ও সিভিল ডিফেন্স
ঢাকা বিভাগ, ঢাকা।

লাইসেন্সের শর্তাবলী

(১) প্রতি বছর ৩০ জুনের মধ্যে এই লাইসেন্সের অনুকূলে মাশুলের টাকা অগ্রিম লাইসেন্স ফি হিসাবে পরিশোধ করিতে হইবে।

(২) এই লাইসেন্স হস্তান্তরযোগ্য নহে এবং কেবলমাত্র ক্রমিক ২ এ উল্লেখিত অবস্থানের জন্যই প্রযোজ্য হইবে।

(৩) লাইসেন্সের শর্তাবলী যথাযথভাবে পালিত হইতেছে কিনা তাহা যাচাই করার জন্য অধিদপ্তরের ক্ষমতাপ্রাপ্ত কর্মকর্তা যে কোন কার্য দিবসে গুদাম বা কারখানা পরিদর্শন করিতে পারিবেন এবং পরিদর্শনকালে সংশ্লিষ্ট কর্তৃপক্ষ ইস্যুকৃত ফায়ার লাইসেন্সটি প্রদর্শন করিতে বাধ্য থাকিবেন।

(৪) সার্বিক অগ্নি নিরাপত্তা ব্যবস্থা বাংলাদেশ ন্যাশনাল বিল্ডিং কোড ও অগ্নি প্রতিরোধ ও নির্বাপণ আইন ২০০৩ এবং সংশ্লিষ্ট বিধির ভিত্তিতে নিশ্চিত করিতে হইবে।

(৫) অগ্নি প্রতিরোধ ও নির্বাপণ আইন ২০০৩ মোতাবেক লাইসেন্সে শর্ত ভঙ্গ করিলে শাস্তিযোগ্য অপরাধ হিসাবে গণ্য হইবে।

(৬) ভবনে/প্রতিষ্ঠানে ব্যবহৃত Interior Materials অগ্নিপ্রতিরোধক হতে হবে।

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ফাসাসিডি ফরম নং-৫

(প্রাপ্তি স্বীকার পত্রসহ রেজিস্ট্রিকৃত)

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার
উপপরিচালকের কার্যালয়
ফায়ার সার্ভিস ও সিভিল ডিফেন্স
ঢাকা বিভাগ, ঢাকা।

স্মারক নং-সহ/উপ/পরি/ফাসাওসিডি/লা/ ১৭৫০ তারিখ : ৯/৯/২১

প্রতি : ড্রীন হোটেলস এন্ড রিসোর্টস লিমিটেড
প্লট নং-১৬বি, রোড-৩৫, ব্লক-সি, ডব্লিউ এন (বি), গুলশান-২, ঢাকা-১২১২।

বিষয় : গুদামের/কারখানার জন্য ফায়ার সার্ভিস ও সিভিল ডিফেন্স অধ্যাদেশ, ১৯৫৯ সনের অধিনে লাইসেন্স মঞ্জুরকরণ।

আপনাদের ২৫.০৮.২০২১ তারিখের সংখ্যক চিঠির বরাতে আপনাদের উপরোক্ত গুদামের/কারখানার জন্য নিম্নোক্ত শর্তে ডিডি/ঢাকা/৩১৭৯৩/২০২১ নম্বর লাইসেন্স মঞ্জুর করতঃ একটি প্রামাণ্যকৃত পাকা নক্সা সংযুক্ত করিয়া পাঠান হইল। ইহার/এইগুলির প্রাপ্তি স্বীকারের জন্য অনুরোধ করা হল।

এই সঙ্গে আপনাদিগকে ২০০..... সনের মাশুল অনতিবিলম্বে জমা দিতে অনুরোধ করা হইল।

শর্তাবলী

লাইসেন্স পর পৃষ্টায় নক্সা প্রস্তুতের বর্ণনা অনুসারে তৈরীকৃত আপনাদের গুদামের/কারখানার দুইখানা পাকা নক্সা প্রামাণ্যকরণের জন্য চিঠি পাওয়ার ১৫ দিনের মধ্যে অত্র কার্যালয়ে পাঠাইতে হইবে।

লাইসেন্সের পর পৃষ্টায় বর্ণিত অগ্নিপ্রতিরোধ ব্যবস্থা পালন করিতে হইবে। ব্যবস্থাদি স্থাপন করা হইয়াছে কিনা তাহা পত্র প্রাপ্তির ১৫ (পনের) দিনের মধ্যে অত্র দপ্তরকে অবহিত করাইতে অনুরোধ করা হইল।

দিনমনি শর্মা
উপপরিচালক
ফায়ার সার্ভিস ও সিভিল ডিফেন্স
ঢাকা বিভাগ, ঢাকা।

স্মারক নং-সহ/উপ/পরি/ফাসাওসিডি/লা/ ..... তারিখ : .....

ব্যবস্থা গ্রহণের জন্য অনুলিপি প্রদত্ত হইলঃ-

১। প্রতিষ্ঠানের নিকট হইতে দুইখানা পাকা নক্সা ১৫ দিনের মধ্যে অবশ্যই অত্র কার্যালয়ে পাঠাইতে হইবে।

২। লাইসেন্স এর শর্ত মোতাবেক প্রতিষ্ঠান অগ্নি প্রতিরোধ ব্যবস্থা গ্রহণ করিয়াছে কিনা তাহা অত্র দপ্তরকে অবহিত করাইতে হইবে।

দিনমনি শর্মা
উপপরিচালক
ফায়ার সার্ভিস ও সিভিল ডিফেন্স
ঢাকা বিভাগ, ঢাকা।

বাঃসঃমুঃ-২০১১/১২-৬৪৯৯কমসি-১,০০,০০০ কপি, ২০১২ইং।

Scanned with CamScanner

তারিখ	চালান নং	মাশুলের পরিমাণ	অর্থ বছর (১ জুলাই-৩০ জুন)	নবায়নকারীর স্বাক্ষর ও নামাঙ্কিত সীল

ক্রমিক নং

অনিবেপ্র ০০৩
প্রথম সংস্করণ ২০১২

ফায়ার লাইসেন্স

লাইসেন্স নম্বর ডি ডি / ঢা কা / ২ ৪ ৯ ৪ ৯ / ২ ০ ১ ৪

এতদ্বারা অগ্নি প্রতিরোধ ও নির্বাপণ আইন ২০০৩ এর ৪ ধারা অনুযায়ী এবং উল্লেখিত শর্তাবলী সাপেক্ষে ফায়ার লাইসেন্স ইস্যু করা হইল।

১। মালগুদাম/কারখানার মালিক/ব্যবহারকারী/কর্তৃপক্ষের নাম, পদবী ও ঠিকানা :

মেসার্স ডরীন হোটেলস এন্ড রিসোর্টস লিমিটেড

৬/এ গুলশান, উত্তর বা/এ, গুলশান-২, ঢাকা।

ফোন :- ফ্যাক্স :- ই-মেইল :-

২। মালগুদাম/কারখানার অবস্থান : (ক) প্লট নং/হোল্ডিং নং :-

(খ) দাগ নং :- (গ) খতিয়ান নং :- (ঘ) জে এল নং

(ঙ) মৌজা :- (চ) রোড নং :- (ছ) ডাকঘর :-

(জ) থানা গুলশান (ঝ) উপজেলা :- (ঞ) জেলা ঢাকা

৩। ভবনের ব্যবহার শ্রেণী : ওকুপেন্সি শ্রেণী-ইন্ডাস্ট্রিয়াল 'জি-২'(২৫ তলা ভবনের ২টি বেইজমেন্টসহ ১ম-২৫ তলা)

৪। ভবনের নির্মাণ শ্রেণী ও পরিমাপ : 'টাইপ-১'

শ্রেণী-১	শ্রেণী-২	শ্রেণী-৩	দৈর্ঘ্য	প্রস্থ	উচ্চতা	মোট মেঝের ক্ষেত্রফল (বর্গ মিটার)
						১,৬৩,৪০০ বর্গফুট

৫। দাহ্য বস্তুর নাম ও মজুদ পরিমাণ : ফার্নিচার ও বেডিং সামগ্রী "আসবাবপত্র ও কাপড়"

৬। ব্যবসার ধরন : আবাসিক হোটেল

৭। অগ্নি ঝুঁকির মাত্রা : (ক) হালকা-১ (খ) হালকা-২ (গ) সাধারণ-১ (ঘ) সাধারণ-২ (ঙ) সাধারণ-৩ (চ) অতিমাত্রা

৮। অগ্নি ঝুঁকির শ্রেণীবিন্যাস (মোট ফ্লোর এরিয়ার আনুপাত ভিত্তিতে) : A.....৯৮%, B.....২%, C.....%, D.....%, K.....%

৯। মাশুলের পরিমাণ =৭,৬০০/-

১০। নবায়নকৃত অর্থ বছর ২০১৫-২০১৬

স্বাক্ষরিত/মোঃ জহুরুল আমিন মিয়া
তারিখ ৩০.১১.২০১৪

২৫ তলা ভবনের ১২-২৫ তলা ৮৪৭১৪ বর্গফুট ফ্লোর এরিয়ার সাথে একই ভবনের ২টি বেইজমেন্ট (কার পার্কিং), উপ-পরিচালক/সহকারী পরিচালক/উপ-সহকারী পরিচালক ১ম-১১ তম তলা ৭৮৬৮৬ বর্গফুট ফ্লোর এরিয়া সংযোজনসহ ফায়ার সার্ভিস ও সিভিল ডিফেন্স,.....ঢাকা বিভাগ, ঢাকা...। (৮৪৭১৪+৭৮৬৮৬) সর্বমোট = ১,৬৩,৪০০ বর্গফুট ফ্লোর এরিয়া এ লাইসেন্স এর অন্তর্ভুক্ত করা হল।

মোঃ মোজাম্মেল হক
উপ পরিচালক
ফায়ার সার্ভিস ও সিভিল ডিফেন্স

লাইসেন্সের শর্তাবলী

(১) প্রতি বছর উচ্চ ঊনিশ মধ্যে এই লাইসেন্সের অনুকূলে মাশুলের টাকা অগ্রিম লাইসেন্স ফি হিসাবে পরিশোধ করিতে হইবে।

(২) এই লাইসেন্স হস্তান্তরযোগ্য নহে এবং কেবলমাত্র ক্রমিক ২ এ উল্লেখিত অবস্থানের জন্যই প্রযোজ্য হইবে।

(৩) লাইসেন্সের শর্তাবলী যথাযথভাবে পালিত হইতেছে কিনা তাহা যাচাই করার জন্য অধিদপ্তরের ক্ষমতাপ্রাপ্ত কর্মকর্তা যে কোন কার্য দিবসে গুদাম বা কারখানা পরিদর্শন করিতে পারিবেন এবং পরিদর্শনকালে সংশ্লিষ্ট কর্তৃপক্ষ ইস্যুকৃত ফায়ার লাইসেন্সটি প্রদর্শন করিতে বাধ্য থাকিবেন।

(৪) সার্বিক অগ্নি নিরাপত্তা ব্যবস্থা বাংলাদেশ ন্যাশনাল বিল্ডিং কোড ও অগ্নি প্রতিরোধ ও নির্বাপণ আইন ২০০৩ এবং সংশ্লিষ্ট বিধির ভিত্তিতে নিশ্চিত করিতে হইবে।

(৫) অগ্নি প্রতিরোধ ও নির্বাপণ আইন ২০০৩ মোতাবেক লাইসেন্সের শর্ত ভঙ্গ করিলে শাস্তিযোগ্য অপরাধ হিসাবে গণ্য হইবে।

তারিখ	চালান নং	মাশুলের পরিমাণ	অর্থ বছর (১ জুলাই-৩০ জুন)	নবায়নকারীর স্বাক্ষর ও নামাঙ্কিত সীল
৩০/০৬/২০১৬	৪৩৪০ ২৫/৭/১৬	টাকা-৭৬০০/-	৩০শে জুন ২০১৬খ্রিঃ	মোঃ শরীফুল ইসলাম ওয়্যারহাউজ ইন্সপেক্টর ফায়ার সার্ভিস ও সিভিল ডিফেন্স ঢাকা।
২৬/৬/১৭	৩৯ ৭/৬/১৭	টাকা-৭৬০০/-	৩০শে জুন ২০১৭খ্রিঃ	মোঃ শরীফুল ইসলাম ওয়্যারহাউজ ইন্সপেক্টর ফায়ার সার্ভিস ও সিভিল ডিফেন্স ঢাকা।
০২/০৭/১৮	৭৪ নগর ভবন শাখা	টাকা= ৭,৬০০/-	৩০ শে জুন/২০১৯ খ্রিঃ	পোলাশ বেগম (৭৭৫৫) ওয়্যারহাউজ ইন্সপেক্টর ফায়ার সার্ভিস ও সিভিল ডিফেন্স ঢাকা।
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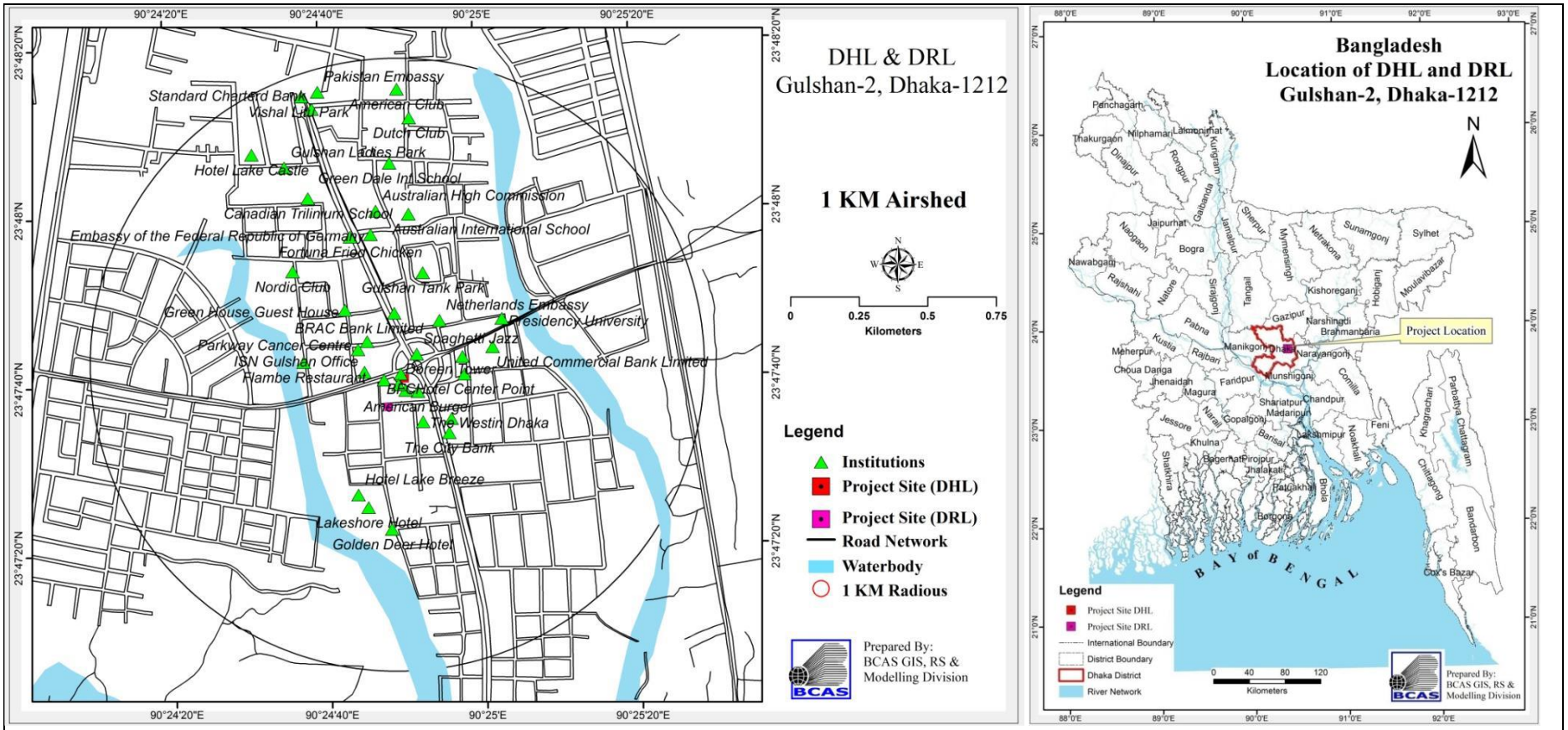
০৪/০৭/১৯	চালান- ১৫৭৯৮৯	টাকা - ৭৬০০/-	৩০শে জুন/২০২০খ্রিঃ	মোঃ তারিকুল ইসলাম ওয়্যারহাউজ ইন্সপেক্টর ফায়ার সার্ভিস ও সিভিল ডিফেন্স ঢাকা
—	—	—	—	
১৭/০৮/২০২০	SB-স্মরণ ৪৬,৪৭ ৪/৮/২০২০	টাকা= ৭৬০০/- ,, =১১৪০/-	৩০শে জুন ২০২১ খ্রিঃ পর্যন্ত	মোঃ তারিকুল ইসলাম ওয়্যারহাউজ ইন্সপেক্টর ফায়ার সার্ভিস ও সিভিল ডিফেন্স ঢাকা
—	—	—	—	
১০/০৬/২১	S.B ৪৬,৪৭ মোবাইল ব্যাংকিং	টা: ৭৬০০/- ভ্যাট: ১১৪০/-	৩০ শে জুন/২০২১খ্রিঃ (২০২১ - ২০২২)	[illegible] ওয়্যারহাউজ ইন্সপেক্টর ফায়ার সার্ভিস ও সিভিল ডিফেন্স ঢাকা।

Annex 3: Location of the project site



Location Map of Doreen Hotels and Suits Project of DHRL

Annex 4: STP arrangement

Photograph: STP Installation Tanks and Filters

Photograph: STP Motors

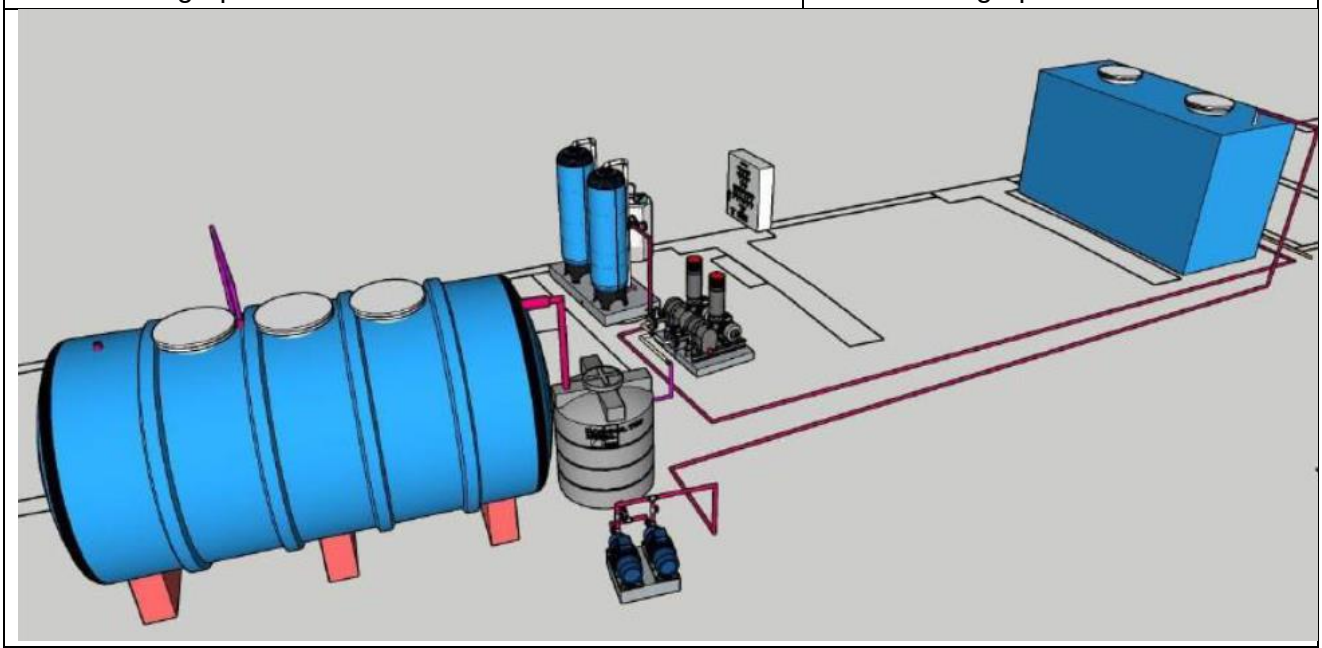
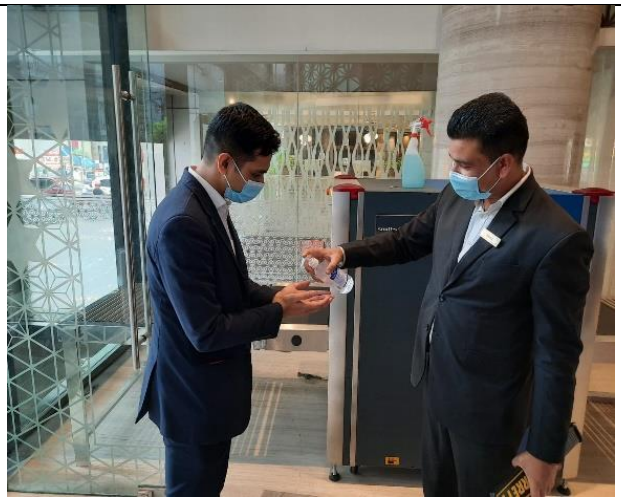


Figure: Proposed STP Diagram

Annex 5: COVID-19 Management

Photograph: Measuring Temperature of every person who enters into the Hotel

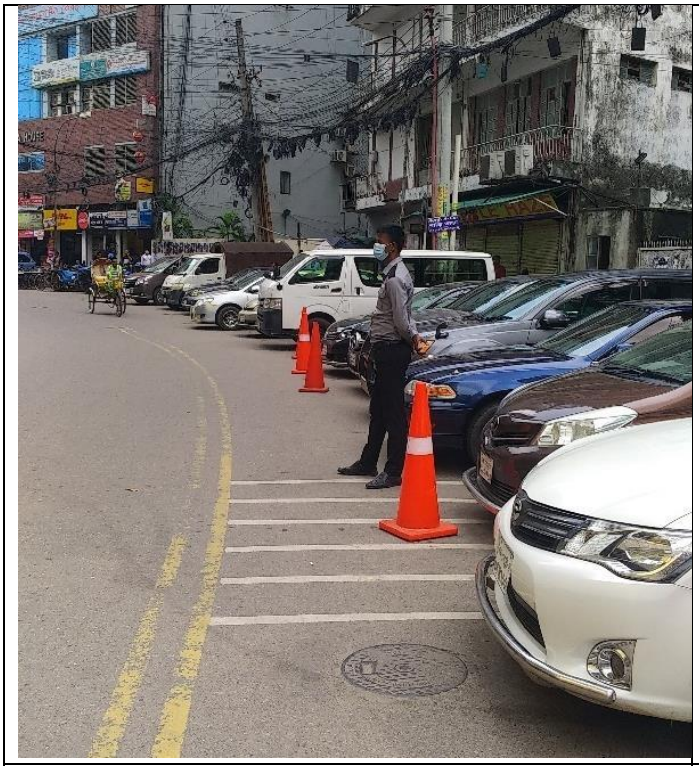


Photograph: Using sanitizer for every person who enters into the Hotel

Photograph: COVID-19 caution notice affixed at the main gate of the Hotel

Photograph: Automatic temperature measurement equipment installed at the main gate of the Hotel

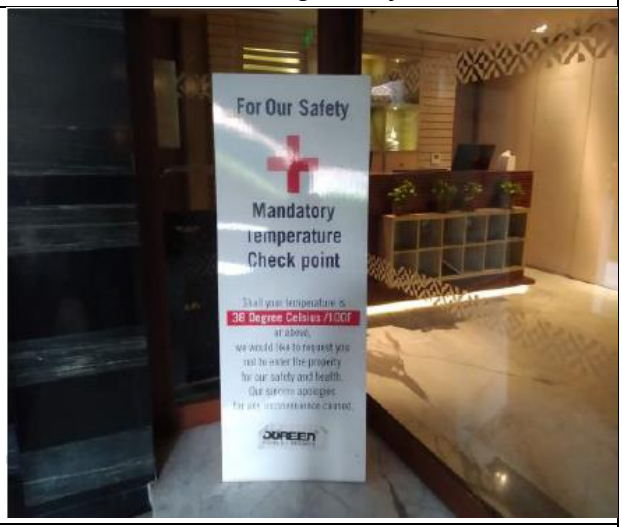
Annex 6: EHS Arrangements



Photograph: Traffic Management

Photograph: Light Arrestor for Lightning for Building Safety

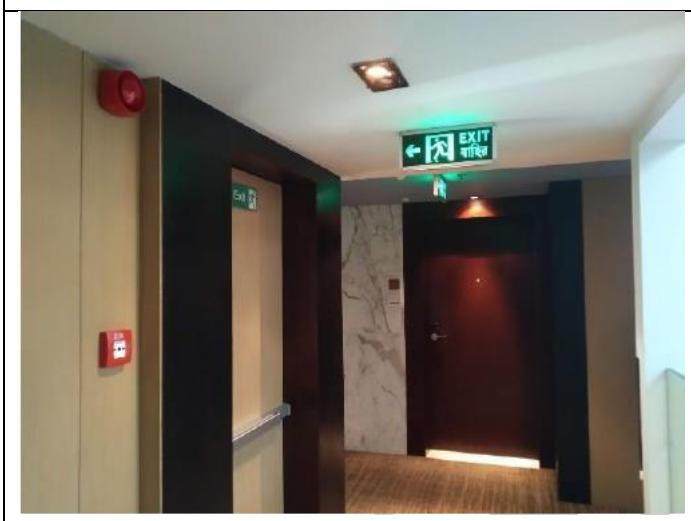
Photograph: Fresh air supplier



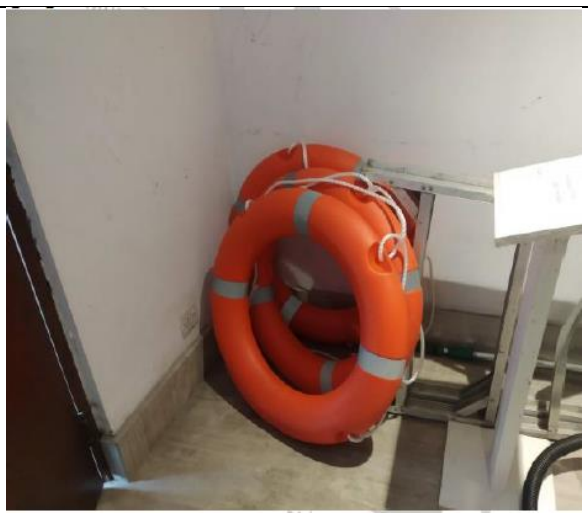
Photograph: Health safety instructions

Photograph: Arrangement of greenery at project site

Photograph: Segregation of Waste at source



Photograph: Emergency Exit Sign

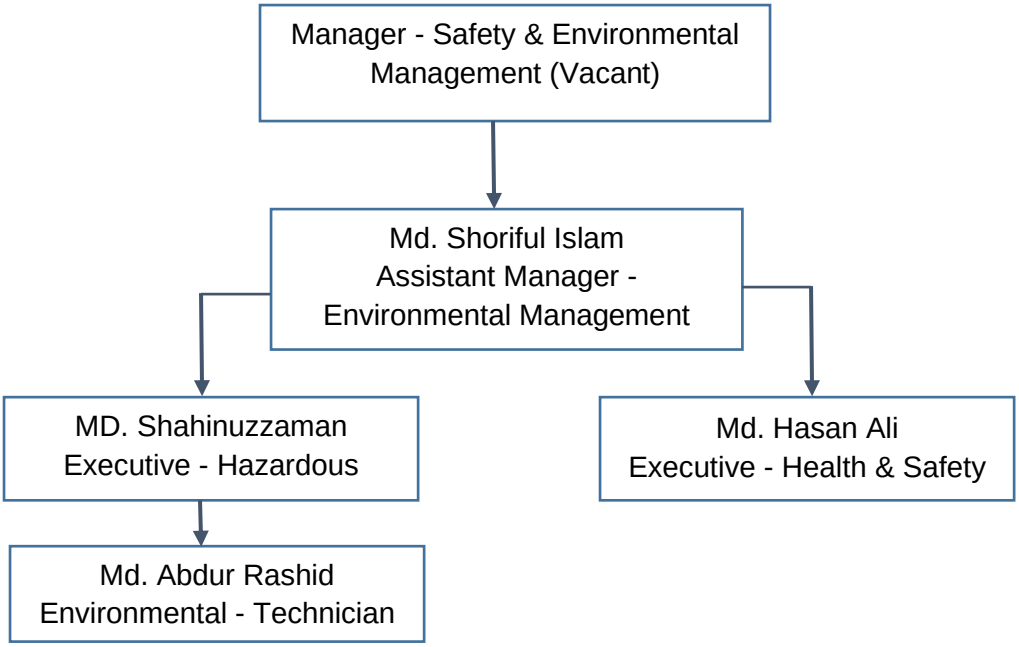


Photograph: Safety equipment at pool

Photograph: Firefighting equipment

Photograph: Safety Kits

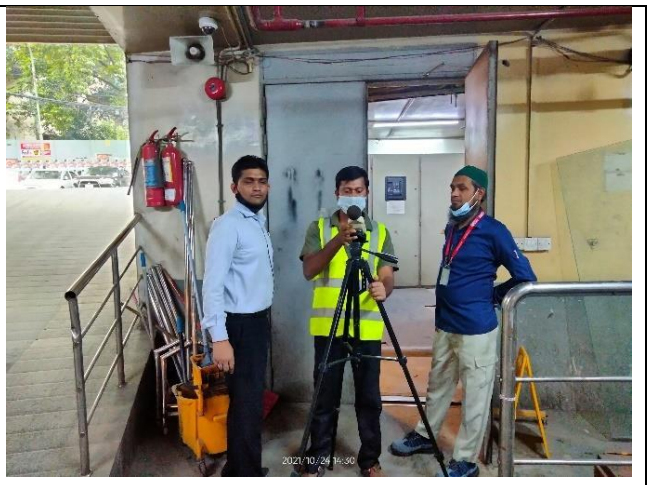
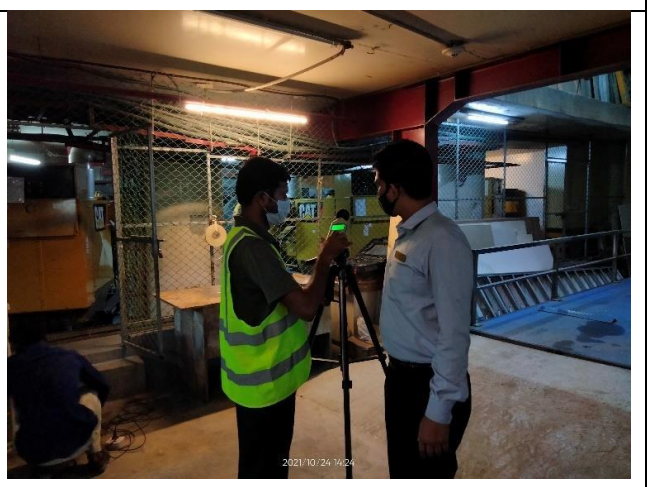
Annex 7: List of Environmental Safeguard Personnel



Annex 8: Environmental Monitoring Sample Collection

Photograph: Ambient Air Quality of DHL	**Photograph: Ambient Air Quality of DSL**
Photograph: Ambient CO Level of DHL	**Photograph: Ambient CO level of DSL**
Photograph: Noise of Inside of SS of DSL	**Photograph: Noise Near Gate of DSL**

Photograph: Noise of Outside Generator of DSL	**Photograph: Noise of Inside Room of DSL**
Photograph: Noise Level of 2nd Floor of DSL	**Photograph: Noise of 3rd Floor of DSL**
Photograph: Noise of Inside of DSL	**Photograph: Noise of Near Gate of DH**

	
Photograph: Noise of N-W side of DHL	**Photograph: Noise of Outside of SS of DHL**
Photograph: Noise of Inside SS Room of DHL	**Photograph: Noise of Inside Generator Room of DHL**
	
Photograph: Noise of East side of DHL	**Photograph: Noise of Outside Generator Room of DHL**

Photograph: Drinking Water Sampling from DHL	**Photograph: Drinking water Sampling from DSL**

Annex 9: Laboratory Test Reports for Environmental Monitoring

Enviro Consultants Ltd.

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Mobile : +8801715327465, 01713117822
E-mail : ecl@enviroconsultant.org
Website : www.enviroconsultant.org

EQRL/Ambient Air/2055/2021

Enviro Quality Laboratory

Test Results of Ambient Air Quality Analysis

Name of the Project	:	Environmental monitoring for Doreen Hotels and Doreen Suites Project.
Address of Project	:	Gulshan-2, Dhaka, Bangladesh
Description of Sample	:	Samples were collected from the Project Area.
Sample Collector	:	Collected by ECL Personnel
Sampling Date	:	24th October, 2021
Date of Analysis	:	25th - 30th October, 2021
Reporting Date	:	4th November, 2021

Description of Analysis

Sample Location with GPS Coordinate	Concentration present of different parameter in ambient air				
	PM_{10}	$PM_{2.5}$	SO_2	NO_x	CO
Doreen Hotels (Near Main Gate) (GPS Coordinate: N 23°47'39.35" & E 90°24'49.55")	146.67	58.82	43.90	98.26	Nil
Doreen Suites (Near Main Gate) (GPS Coordinate: N 23°47'31.11" & E 90°24'48.97")	110.48	45.45	6.97	66.21	Nil
Unit	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$	$\mu g/m^3$	ppm
Method of Analysis	Gravimetric	Gravimetric	West-Geake	Jacob & Hochheiser	Sensor
Duration (hrs.)	8	8	8	8	1
DoE (Bangladesh) Standard (Schedule-2)	150	65	365	100	35

Note:

- *During monitoring the day was sunny and the weather condition was good.*
- *Regular checkup and calibration of the equipment are done by the manufacturers and ECL personnel to avoid any error*

Legends:

1	PM_{10}	Particulate Matter of a diameter upto 10 micron
2	$PM_{2.5}$	Particulate Matter of a diameter upto 2.5 micron
3	NO_X	Oxides of Nitrogen
4	SO_2	Sulphur Di-Oxide
5	CO	Carbon Monooxide

Mohammad Saad
Chemist

ENVIRO CONSULTANTS LTD. 8 Garden Rose (1st Floor) Monipuripara Tejgaon Dhaka-1215

Enviro Consultants Ltd.

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EQRL/Noise Level/2056/2021

Enviro Quality Laboratory

Results of Ambient Noise Level Measurement and Analysis

Name of the Project	:	Environmental monitoring for Doreen Suites Project.
Address of the Project	:	Gulshan-2, Dhaka, Bangladesh
Description of Noise Data	:	Data were collected from the Selected Locations of the Project Area
Data Collector	:	Collected by ECL Personnel
Data Collection Date	:	28th December, 2021
Date of Analysis	:	29th December, 2021
Reporting Date	:	29th December, 2021

Description of Analysis

SN	Location (Doreen Suites)	Results in dB-A (Leq) Day (6 AM-9 PM)	DoE (Bangladesh) Noise Standard for Commercial Area (Schedule-1), Leq
		Doreen Suites	Day Time (6 AM-9 PM)
01	Near Desk of Doreen Suites	65.38	70
02	Inside Building	58.48	70
03	Inside Building	58.64	70
04	Near Generator Room	60.39	70
05	1st Floor Landing	52.45	70
06	1st Floor Landing	52.80	70
07	2nd Floor Landing	46.97	70
08	3rd Floor Landing	50.20	70
Method/Instrument			**Sound Level Meter Model: SL – 4033SD**

Mohammad Saad
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Enviro Consultants Ltd.

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Website : www.enviroconsultant.org

EQRL/Wastewater/2053/2021

Enviro Quality Laboratory

Test Results of Wastewater Quality Analysis

Name of the Project	:	Environmental monitoring for Doreen Hotels and Doreen Suites Project.
Address of the Project	:	Gulshan-2, Dhaka, Bangladesh.
Description of Sample	:	Sample was collected from the project area.
Sample Collector	:	Collected by ECL Personnel
Sampling Date	:	24th October, 2021
Date of Analysis	:	25th – 30th October, 2021
Reporting Date	:	4th November, 2021

Description of Analysis

SN	Parameter	Unit	Concentration of Wastewater		Bangladesh (DoE) Standard for Inland Surface Water (ECR 1997, Schedule-10)
			Doreen Hotels	Doreen Suites	
01	pH		8.44	8.16	6-9
02	DO	mg/l	5.8	7	4.5-8
03	BOD_5	mg/l	7.8	8.4	50
04	COD	mg/l	224	320	200
05	EC	µS/cm	1245	362	1200
06	TDS	mg/l	622	181	2100

Note:
NYS - Not Yet Set

Mohammad Saad
Chemist

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Website : www.enviroconsultant.org

EQRL/Ground Water/2054/2021

Enviro Quality Laboratory

Test Results of Drinking Water Quality Analysis

Name of the Project : Environmental monitoring for Doreen Hotels and Doreen Suites Project.
Address of the Project : Gulshan-2, Dhaka, Bangladesh

Description of Sample : Sample was collected from water filter.
Sample Collector : Collected by ECL Personnel
Sampling Date : 24th October, 2021
Date of Analysis : 25th - 30th October, 2021
Reporting Date : 4th November, 2021

Description of Analysis

SN	Parameter	Unit	Concentration of Water Samples		Bangladesh (DoE) Standard for Ground Water (Schedule-3-B)
			Doreen Hotels	Doreen Suites	
01	pH		5.64	6.74	6.5 – 8.5
02	EC	µS/cm	415	267	NYS
03	DO	mg/l	6.0	6.5	6
04	TDS	mg/l	208	134	1000
05	Iron (Fe)	mg/l	< LOD	< LOD	0.3-1
06	Arsenic (As)	ppm	< LOD	< LOD	0.05
07	Total Coliform	N/100 ml	8	416	0

Note:
NYS - Not Yet Set
LOD -Lower of Detection Limit (As - 0.001 mg/L, Fe – 0.01 mg/l)

Mohammad Saad
Chemist

ENVIRO CONSULTANTS LTD. 8 Garden Rose (1st Floor) Monipuripara Tejgaon Dhaka-1215

Government of the People's Republic of Bangladesh
Office of the Chief Chemist
Department of Public Health Engineering
Central Lab, 38-39, Mohakhali C/A, Dhaka-1212
Phone: 88-02-9881927, Fax: 88-02-9882003 , Email: wqmsc_central_lab@yahoo.com

Lab Memo: 306/ CC, DPHE, CL, Dhaka

Date: 27-10-2021

Physical /Chemical/ Bacteriological Analysis of Water Sample

Sample ID: CEN2021100214	Sample Receiving date: 24-10-2021
Ref. Memo No: ECL/2021/Nill & Dated: 24-10-2021	Sample Source: Others
Sent by:Dr. Jagadish Chandra Saha ,Managing Director , Enviro Consultants Ltd., Tejgaon, Dhaka.	Dist:Dhaka, Upa:
Care Taker: Enviro Consultants Ltd. (S :02,Drinking water)	Union:, Vill.:16/B, Doreen Hotels & Resorts Ltd.
Sample Collection date: 24-10-2021	Date of Testing: 24/10/2021-25/10/2021

LABORATORY TEST RESULTS:

Sl.#	Water quality parameters	Bangladesh Standard	Concentration present	Unit	Analysis Method	LOQ
1	Coliform (Total)	0	416	N/100ml	MFM	-

Comments: Sample was collected & supplied by client.
N.B: MFM- Membrane Filtration Method,LOQ- Limit of Quantitation.

Test Performed by:	Signature	Countersigned/Approved by:	Signature
1.) Name: Md. Saiful Alam Khosru Designation: Sample Analyzer	27.10.2021	1.) Name: Mita Sarker Designation: Senior Chemist	27/10/2021
2.) Name: Taslima Akhter Designation: Sample Analyzer	27.10.21	2.) Name: Md. Biplab Hossain Designation: Chief Chemist	Md. Biplab Hossain Chief Chemist Department of Public Health Engineering Central Laboratory Mohakhali, Dhaka

Government of the People's Republic of Bangladesh
Office of the Chief Chemist
Department of Public Health Engineering
Central Lab, 38-39, Mohakhali C/A, Dhaka-1212
Phone: 88-02-9881927, Fax: 88-02-9882003 , Email: wqmsc_central_lab@yahoo.com

Lab Memo: 306/ CC, DPHE, CL, Dhaka

Date: 27-10-2021

Physical /Chemical/ Bacteriological Analysis of Water Sample

Sample ID: CEN2021100213	Sample Receiving date: 24-10-2021
Ref. Memo No: ECL/2021/Nill & Dated: 24-10-2021	Sample Source: Others
Sent by:Dr. Jagadish Chandra Saha ,Managing Director , Enviro Consultants Ltd., Tejgaon, Dhaka.	Dist:Dhaka, Upa:
Care Taker: Enviro Consultants Ltd. (S :01,Drinking water)	Union:, Vill.:6/A, Doreen Hotels & Resorts Ltd.
Sample Collection date: 24-10-2021	Date of Testing: 24/10/2021-25/10/2021

LABORATORY TEST RESULTS:

Sl.#	Water quality parameters	Bangladesh Standard	Concentration present	Unit	Analysis Method	LOQ
1	Coliform (Total)	0	8	N/100ml	MFM	-

Comments: Sample was collected & supplied by client.
N.B: MFM- Membrane Filtration Method,LOQ- Limit of Quantitation.

Test Performed by:	Signature	Countersigned/Approved by:	Signature
1.) Name: Md. Saiful Alam Khosru Designation: Sample Analyzer	27.10.2021	1.) Name: Mita Sarker Designation: Senior Chemist	27/10/2021
2.) Name: Taslima Akhter Designation: Sample Analyzer	27.10.21	2.) Name: Md. Biplab Hossain Designation: Chief Chemist	Md. Biplab Hossain Chief Chemist Department of Public Health Engineering Central Laboratory Mohakhali, Dhaka

Annex 10: Environmental and Social Compliance Activities in the reporting period

Environmental management and implementation schedule are presented in the following tables.

Environmental monitoring parameters

Name of the Parameter	Details of Monitoring	Frequency	Responsible Person
Air Quality	• 50m outside of the project • SPM, PM_{10}, $PM_{2.5}$, SOx, NOx and CO	Quarterly	In-house monitoring system of DHRL/Third Party Consultant
Noise Monitoring	• Within 100m and 300m outside) • Limits in dBA	Quarterly	In-house monitoring system of DHRL/Third Party Consultant
Surface water/wastewater	• pre-monsoon and post-monsoon • pH, Temperature, DO, BOD, COD, TDS, Nitrate • Nearby water natural body	Bi-Annual	In-house monitoring system of DHRL/Third Party Consultant/ Recognized Laboratory
Ground water	pH, Temperature, DO, BOD, COD, TDS, Oil	Bi-Annual	In-house monitoring system of DHRL/Third Party Consultant/ Recognized Laboratory
Sewage Discharge	• Pre-monsoon and post-monsoon • pH, Temperature, DO, BOD, COD, TDS, TSS, Oil and grease and Chloroforms • Outlet from the STP	Bi-Annual	In-house monitoring system of DHRL/Third Party Consultant/ Recognized Laboratory

Environmental Monitoring and Management Budget

Environmental monitoring is conducted to compare the change between baseline condition and after project scenario, by testing some environmental parameters of air, water and noise. ESMU is fully responsible for environmental monitoring as well as implementation of environmental management plan. As testing environmental parameters required sophisticated instruments, DHRL is conducting some of the environmental monitoring with third party consultant but gradually ESMU will able to measure in-house monitoring after purchasing some of the equipment. However, a tentative environmental monitoring budget has been prepared in the following Table.

Activity	Units	Total Cost (Tk.)
Fire extinguisher refilling, Maintenance of Firefighting systems, Fire detection systems and suppression equipment etc.	1	200,000
Fire Training	4	60,000
Fire safety drill from Fire Services	1	40,000
Cost of occupational health and safety equipment	1	150,000
Quarterly test of ambient air quality (SPM, SOx, NOx)	4	120,000
Half yearly test of surface water (pH, Temperature, DO, BOD, COD, TDS, Oil and grease)	2	40,000
Half yearly test of ground water (pH, Temperature, DO, BOD, COD, TDS, Oil and grease)	2	40,000

Activity	Units	Total Cost (Tk.)
Half yearly test of Sewage (pH, Temperature, DO, BOD, COD, TDS, TSS, Oil and grease and Chloroforms)	2	50,000
Quarterly noise monitoring	4	40,000
Environmental Training	4	80,000
ESMU Staff's annual salary	3	900,000
Gross Total		**1,720,000**

**Environmental And Social Monitoring Budget Has Been Prepared Based On The ESIA Report And Current Rate.

Environmental & Safety Inspection Program

ESMU members are responsible for the regular environmental and safety inspection of the Hotel Premises and report to the top management through arranging meetings. Responsibilities are specified below:

Sl	Name of Inspection	Department	Frequency	Responsible Person
01	Sample Inspection Checklist	-	Monthly	Compliance Manager
02	Concierge	Safety & Security	Monthly	Md. Samedul Huda
03	Front Desk	Front Desk	Monthly	Utpal Dutta
04	Housekeeping	Housekeeping	Monthly	Md. Mahbub Murshed
05	Food & Beverage	Food & Beverage	Monthly	Tareq Islam
06	Kitchen	Kitchen	Monthly	Stefan Babits
07	Laundry	Housekeeping	Monthly	Ratan Kumar Dastider
08	Engineering	Engineering	Monthly	Shoriful Islam

Annex 11: Workshop and Training Program in the reporting period

Introduction:

The hospitality industry consumes large amounts of energy and resources, which can be detrimental to the environment and the business itself. Explore some sustainability and environmental issues in this industry and learn about the benefits of sustainable development.

Issues in Hospitality:

Doreen Hotels & Resorts Ltd. (DHRL) continues by explaining that there are a number of sustainability and environmental issues that plague the hospitality industry.

- Water usage - DHRL have a lot of water waste from long guest showers and huge pools. In restaurants, they use water for dishes and often the machines are not efficient at saving water.
- Energy usage - This impacts all organizations in the hospitality industry. This includes the electricity of restaurants, hotels, and resorts, as well as the gas used by tourism, ski resorts, and more.
- Food waste - Often time's foods are not reusable and are then thrown away. This creates problems for the environment, both in the action of throwing out the food and the demand it places on the environment to produce more.
- Pollution - This is an issue anytime there are high outputs of oil, natural gas, gasoline, or coal. Whether these are used for energy, or they are used for transportation, the amount of pollution caused by organizations in hospitality can be a big problem.
- Garbage/waste - This becomes important because items that are not recyclable will eventually clog up the environment and create trash. Anything from cups to the way a company prints agendas and maps, can either increase or decrease the trash produced, which can litter the environment.

All these issues have become important in all facets of the hospitality industry. DHRL goes on to say that with a global push for sustainability and 'green' operations by customers, pressure is placed on organizations, like Environmental Resorts, to invest in more environmentally friendly operations.

Sustainable Development:

DHRL explains to their supervisors that watching Environmental Resorts throw out food, waste energy, and create trash has pushed her to explore sustainable development. DHRL explains that a sustainable development in business is developing operating procedures that meet the organizations needs without compromising the environment or the local culture of the future.

DHRL shows how sustainable development brings together the environmental, social, and economic needs of a community. DHRL explains that all three factors are influencing sustainability and the success of an organization.

Some Pictures of this training program:

Photograph: Training program conducted on DHRL Premises

Annex 12: Tree Plantation Inventory in the project site

Table 1: Tree Plantation List – Doreen Tower

Sl.	Tree Name	Qty	Place	Remarks
1	Chinese Taggar	200	Outside	
2	Keba Flower Plant	100	Outside	
3	Bamboo	20	Outside	
4	Mali Plant	60	Inside & Outside	
5	Chameli Flower	10	Outside	
6	Kamini Flower	4	Outside	
7	Areca Palm	25	Inside & Outside	
8	Neil Parul	10	Outside	
9	Bakul Flower	8	Inside & Outside	
10	Kentia Palm	2	Inside	
11	Dumb Cane	4	Inside	
12	Pata Bahar	5	Inside	
13	Rhapis Palm	5	Inside & Outside	
14	Lolina Palm Tree	2	Inside	

Table 2: Tree Plantation List – Doreen Suites

Sl.	Tree Name	Qty	Place	Remarks
1	Bamboo	20	Roof Top	
2	Mali Plant	300	Flair Outside, Roof Top & Outside	
3	Kamini Flower	50	Roof Top	
4	Areca Palm	10	Roof Top	
5	Bakul Flower	5	Roof Top	
6	Dumb Cane	5	Roof Top	
7	Pata Bahar	8	Roof Top	
8	Chinese Palm	7	Roof Top	
9	Edelia tree	150	Outside	
10	Kena Tree	25	Flair Outside	

Annex 13: Waste Generation Inventory

Table: Domestic Waste Inventory

Area	General Wastes	Approximate Monthly Waste Generation (Kg/ton)	Disposal Arrangements
Administration Areas	Office paper	50 Kg	Reuse & Sale
	Carton boxes, Envelops, Packaging Materials	400 Kg	Reuse & Sale
	Ink tonner/Cartridges	15 Pcs	Disposed to municipal waste yard
	Disposable cups	250 Pcs	Disposed to municipal waste yard
Guest Rooms and Other Guest Facilities	Newspaper, Magazines	250 Kg	Sale
	Beverage cans/Bottles	1500 Pcs	Disposed to municipal waste yard
	Container for personal care, Plastic wrapper etc.	30 Kg	Disposed to municipal waste yard
Housekeeping and Laundry	Off-specification/Surplus materials	750 Kg	Disposed to municipal waste yard
	Chemical drums	15 Pcs	Disposed to municipal waste yard
	Hangers	15 Kg	Reuse & Sale
	Laundry bags etc.	150 Pcs	Sale
Kitchen, Restaurant and Drinking areas	Beverage cans/Bottles,	9000 Pcs	Disposed to municipal waste yard
	Food trimmings, Uneaten food	300 Kg	Disposed to municipal waste yard
	Grease/Oil	250 Liters	Sale
	Single-serving condiment packages, Drinking straws, Paper mats, Packaging waste like cardboard, Plastic wrappers, Pallets etc.	50 Kg	Disposed to municipal waste yard

Table: Solid Waste Inventory (Engineering damaged materials list of Doreen Suites)

SL No	Items Name	Picture	Unit	Qty.
1	Blender Machine Body		Piece	**1**
2	Emergency Light		Piece	**1**
3	Strip Light Driver		Piece	**15**
4	UPS Battery		Piece	**18**
5	Hand mixer		Piece	**1**
6	UPS		Piece	**5**

SL No	Items Name	Picture	Unit	Qty.
7	Broken Marble		Lot	**1**
8	LP Gas Cylinder		Piece	**2**
9	Damaged wooden		Lot	**1**
10	Induction		Piece	**1**
11	Broken Chair (Plastic)		Piece	**1**
12	Broken Chair		Piece	**1**

SL No	Items Name	Picture	Unit	Qty.
13	Weight Scale		Piece	**2**
14	Damaged Oil		Gallon	**2**
15	Cooling Fan Motor		Piece	**3**
16	LED Light		Piece	**3**
17	Carpentry Router Machine		Piece	**1**
18	Chiller Cooling Fan Motor		Piece	**1**

SL No	Items Name	Picture	Unit	Qty.
19	Door Closer		Piece	**2**
20	Basin Mixer		Piece	1

Table: Solid Waste Inventory (Engineering damaged materials list of Doreen Tower)

SL No	Items Name	Picture	Unit	Qty.
1	Glass		Piece	**1**
2	HDMI Cable		Piece	**3**
3	Chiller Fan Motor		Piece	**2**

SL No	Items Name	Picture	Unit	Qty.
4	AC Fan Motor		Piece	**2**
5	Round Lock		Piece	**2**
6	Water Filter Jar		Piece	**2**
7	LED Light Driver		Piece	**2**
8	Tissue Box		Piece	**1**
9	Sliding Drawer Channel		Piece	**4**

SL No	Items Name	Picture	Unit	Qty.
10	Door Closer		Piece	**1**
11	Boiler Heater		Piece	**1**
12	Charger Drill Machine		Piece	**1**
13	Computer Keyboard		Piece	**1**
14	Printer Cadiz		Piece	**1**
15	Push Shower		Piece	**15**

SL No	Items Name	Picture	Unit	Qty.
16	Basin Mixer		Piece	**1**
17	Strip Light Driver		Piece	**1**
18	Water Tab		Piece	**1**
19	Trolly Wheel		Piece	**6**
20	Plastic Pipe		Feet	**20**
21	Deep Fat Fryer Heater		Piece	**3**

SL No	Items Name	Picture	Unit	Qty.
22	WC Parts		Piece	**1**
23	Water Filter Pump		Piece	**1**
24	Refrigerant Ceylinder		Piece	**6**
25	Sink Mixer		Piece	**4**
26	PA Speaker		Piece	**5**
27	UPS Battery		Piece	**8**

SL No	Items Name	Picture	Unit	Qty.
28	Compressor		Piece	**3**
29	Exhaust Fan		Piece	**4**
30	Fire Door panic Bar		Piece	**2**
31	SS Stand		Piece	**2**
32	Weight Scale		Piece	**1**
33	GP Sheet Duct		Piece	**1**

SL No	Items Name	Picture	Unit	Qty.
34	Swimming Pool Filter Valve		Piece	**1**
35	Stand Light		Piece	**1**
36	Swimming Pool Heater Coil		Piece	**1**
37	Beast Wooden Chair		Piece	**1**
38	Waffle Heater		Piece	**1**
39	Glove Valve 3/4"		Piece	**1**

SL No	Items Name	Picture	Unit	Qty.
40	Gate Valve 1"		Piece	**2**
41	Gate Valve 1.5"		Piece	**2**
42	Acctuator Valve 1"		Piece	**1**
43	Door Lock		Piece	**2**
44	AC Thermostate		Piece	**4**
45	Spot Light Driver		Piece	**30**

Annex 14: Sampling Location Maps for Environmental Monitoring

Figure: Ambient Air Quality Sampling Location for Doreen Suites

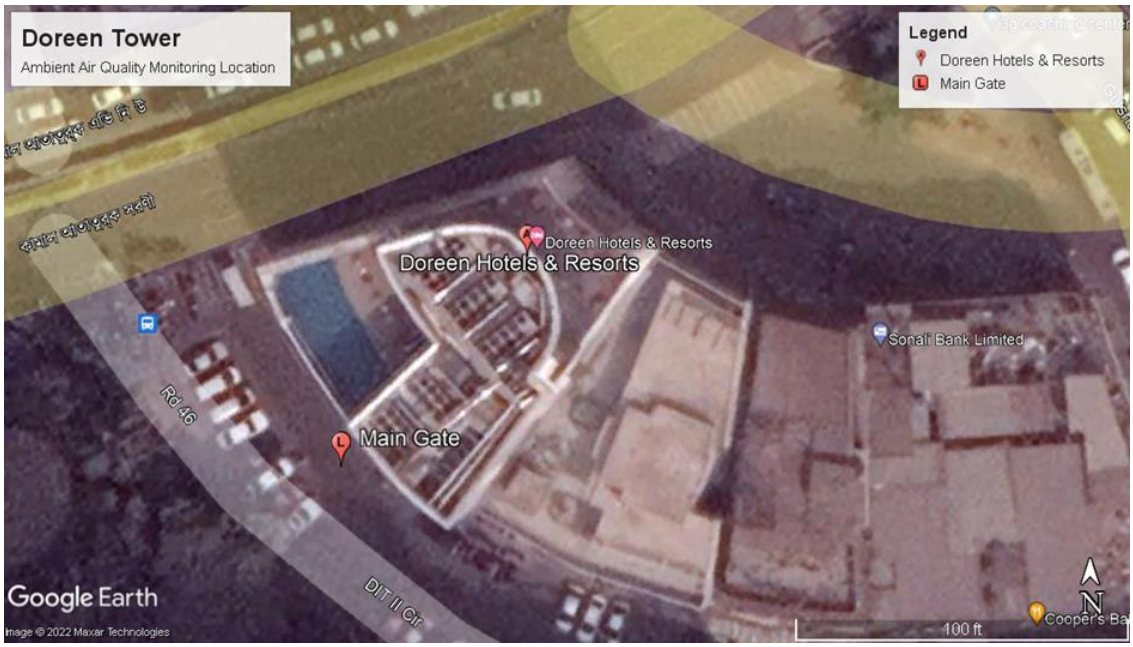

Figure: Ambient Air Quality Sampling Location for Doreen Tower

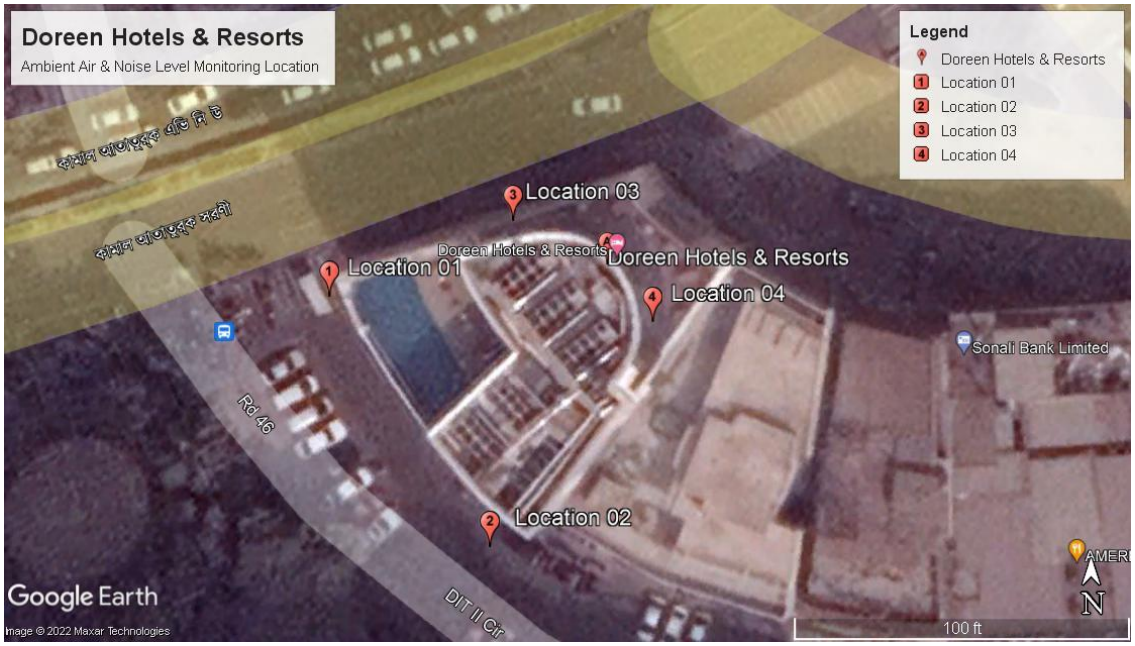

Figure: Ambient Noise Level Sampling Location for Doreen Tower

Figure: Ambient Noise Level Sampling Location for Doreen Suites

Annex 15: Training Calendar for the Year 2021

Sl.	Month	Participant Numbers
1	January	20
2	February	10
3	March	5
4	April	8
5	June	15
6	July	10
7	August	20
8	September	15
9	October	16
10	November	10
11	December	9