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S.R.O. No. 53-Law/2023—In exercise of the powers conferred by Section 20 of the Bangladesh Environment Conservation Act, 1995 (Act No. 1 of 1995), the Government hereby makes the following rules, namely—

1. Title and commencement— (1) These rules shall be called the Environment Conservation Rules, 2023.

(2) These rules shall come into force immediately.

2. Definitions— (1) In these rules, unless there is anything repugnant in the subject or context—

(1) "Department" means the Department defined in section 2, clause (a), of the Bangladesh Environment Conservation Act, 1995 (Act No. 1 of 1995);

(2) "Act" means the Bangladesh Environment Conservation Act, 1995 (Act No. 1 of 1995);

(3) "Appellate Authority" means the Appellate Authority constituted under Rule 28(1);

(4) "Schedule" means the Schedule of these rules;

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(5) "Enlisted environmental consultant or expert" means an environmental consultant or expert enlisted under rule 37;

(6) "Environmental Impact Assessment" means the systematic process of identifying, predicting and evaluating the potential environmental impact of any proposed project or activity;

(7) "Environmental Clearance Committee" means an Environmental Clearance Committee constituted under rule 24;

(8) "Environmental Management Plan" means the plan regarding environmental impact mitigation and management;

(9) "Initial Environmental Examination" means the initial examination for the purpose of assessing the environmental impact;

(10) "Director General" means the Director General of the Department; and

(11) "Parameter" means any physical, chemical, biological or any other measurable characteristic which determines the quality of the environment.

(2) Words or expressions used in these rules but not defined shall have the same meaning as used in the Act.

3. Application and remedy for environmental pollution or degradation— (1) For the purpose of sub-section (1) of section 8 of the Act, any person affected or likely to be affected by environmental pollution or degradation of environment may apply to the Director General in accordance with Form-1 for the remedy of such damage or apprehended damage.

(2) The Director General shall dispose of the application mentioned in sub-rule (1) within a maximum of 30 (thirty) working days of its receipt through holding a public hearing or taking any other measures:

Provided that, if it is not possible to dispose of the application within the said period, the Director General may extend the said time limit by a maximum of 15 (fifteen) working days stating the reasons.

4. Notice of sampling— (1) Any officer empowered by the Director General in accordance with the provisions of section 11 of the Act, intending to collect samples of air, water, soil or other substances for the purpose of analysis, shall issue notice as per Form-2 to the owner, occupier or agent of the concerned factory, premises or place.

(2) In case of sample collection mentioned in sub-rule (1), the provisions of sub-sections (3) and (4) of section 11 of the Act shall be followed.

5. Classification of industrial units and projects for the purpose of granting location and environmental clearance— (1) For the purpose of granting location and environmental clearance by the Department, considering the scope of activities of the industrial unit or project and the extent of potential pollution generated from it, magnitude and potential adverse impact on the environment and human health, the industrial units and projects shall be divided into the following categories, namely—

(A) Green;

(B) Yellow;

(C) Orange; and

(D) Red.

Explanation—

(A) Green category industrial unit or project shall mean all those industrial units or projects which have comparatively very little impact on the environment and human health and there is scope for taking environmental pollution mitigation measures for the said category of industrial units or projects;

(B) Yellow category industrial unit or project shall mean all those industrial units or projects which have a moderate impact on the environment and human health and it is necessary to take environmental pollution mitigation measures for this category of industrial units or projects in order to avoid the said impact;

(C) Orange category industrial unit or project shall mean all those industrial units or projects which have a significant impact on the environment and human health, which needs to be avoided for the purpose of environmental conservation and it is essential to reduce the environmental impact of this category of industrial units or projects through taking appropriate environmental pollution mitigation measures; and

(D) Red category shall mean all those industrial units or projects which have a severe impact on the environment and human health which needs to be avoided to an appropriate degree for environmental conservation and it is essential to take significant environmental pollution mitigation measures to reduce the environmental impact of the said category of industrial units or projects.

(2) The list of various categories of industrial units and projects mentioned in sub-rule (1) shall be determined in accordance with Schedule-1:

Provided that, the classification of any industrial unit or project which is not included in the Green, Yellow, Orange and Red categories mentioned in Schedule-1 shall be in accordance with Schedule-14.

6. Obligation to obtain location clearance and environmental clearance—

(1) Before establishing any new industrial unit and undertaking any project of the Yellow, Orange and Red categories mentioned in rule 5, a location clearance initially and subsequently an environmental clearance must be obtained from the Department:

Provided that, prior to the establishment of any new industrial unit and undertaking any project of the Green category, irrespective of where it is established, there shall be no need to obtain a location clearance, only an environmental clearance must be obtained from the Department:

Provided further that, in case of all categories of industrial units or projects to be established in Government or private export processing zones, economic zones or Bangladesh Small and Cottage Industries Corporation industrial cities, there shall be no need to obtain a location clearance, only an environmental clearance must be obtained from the Department.

(2) Without obtaining a location clearance, no land development or construction of any kind of infrastructure for the purpose thereof can be done for establishing any industrial unit or project of the Yellow, Orange and Red categories.

(3) Without obtaining a location clearance, no gas, electricity, water or other necessary utilities can be provided to a new industrial unit or project of the Yellow, Orange and Red categories.

(4) Without obtaining an environmental clearance, no trial production can be done or project operation can be started in any new industrial unit of the Green, Yellow, Orange and Red categories.

7. Procedure for filing application for location clearance and environmental clearance—

(1) The location of the industrial unit or project for which the application for location clearance or environmental clearance is to be made, if it is—

(A) in any district where there is a district office of the Department, then the application shall be submitted to the said district office;

(B) in any district where there is no district office of the Department, then the application shall be submitted to the jurisdictional district office or divisional office;

(C) in any metropolitan area, then the application shall be submitted to the concerned metropolitan office:

Provided that, if there is no separate office for the metropolitan area, the application shall be submitted to the concerned district office;

(D) in more than one district under the same division, then the application shall be submitted to the concerned regional office or divisional office; and

(E) expanded across more than one division, then the application shall be submitted to the head office of the Department.

(2) The application for location clearance and environmental clearance of any industrial unit or project shall be submitted online:

Provided that, if for any reason it is not possible to submit the application online, the application may be filed directly.

(3) The Director General shall monitor the progress of the concerned applications for granting location clearance and environmental clearance within the specified time.

8. Matters to be considered for granting location clearance—

In the case of granting location clearance for any industrial unit or project, the following matters shall be considered, namely-

(A) whether the concerned industrial unit or project is contrary to any development plan, policy or decision of the Government; and

(B) whether the guidelines of Schedule-9 have been followed in selecting the site of the concerned industrial unit and project.

9. Procedure for granting environmental clearance to industrial units and projects of the Green category—

(1) The proponent of the industrial unit or project of the Green category shall submit an application for obtaining environmental clearance by filling out the applicable portions according to Form-3.

(2) In case of making the application mentioned in sub-rule (1), the guidelines of Schedule-9 shall be followed.

(3) Along with the application mentioned in sub-rule (1), the relevant documents, descriptions and the fee mentioned in Schedule-7 shall be submitted.

(4) In order to consider the application mentioned in sub-rule (1), the relevant office of the Department shall inspect on site the concerned industrial unit or project.

(5) Within 7 (seven) working days of receiving the application under sub-rule (1), the relevant office of the Department shall—

(A) upon site inspection and examination of the information mentioned in the application, if satisfied, grant environmental clearance in favor of the concerned proponent; or

(B) if the applicant is ineligible for receiving the environmental clearance, reject his application and inform the applicant in writing stating the reasons thereof.

10. Procedure for granting location clearance to industrial units and projects of the Yellow category—

(1) The proponent of the industrial unit or project of the Yellow category shall submit an application for obtaining location clearance by filling out the applicable portions according to Form-3.

(2) The application mentioned in sub-rule (1) shall be accompanied by the application processing fee specified in Schedule-6 and the relevant documents and particulars. The guidelines in Schedule-9 shall be followed.

(3) In order to consider the application mentioned in sub-rule (1), the relevant office of the Department shall inspect on site the concerned industrial unit or project and prepare a report with justification and opinion.

(4) Within 8 (eight) working days of receiving the application under sub-rule (1), upon examining the information mentioned in the application and inspecting on site the concerned industrial unit or project, if the relevant office of the Department is satisfied, it shall inform the applicant to pay the fee mentioned in Schedule-7.

(5) After being informed under sub-rule (4), upon payment of the applicable fee by the applicant, the location clearance shall be granted in favor of the concerned applicant within 7 (seven) working days.

(6) Upon examining the information mentioned in the application submitted under sub-rule (1) and inspecting on site the concerned industrial unit or project, if the relevant office of the Department is not satisfied, it shall reject the application and inform the applicant in writing stating the reasons thereof within 15 (fifteen) working days of receiving the application.

11. Procedure for granting environmental clearance to industrial units and projects of the Yellow category—

(1) After receiving the location clearance, the proponent of the concerned industrial unit or project of the Yellow category shall submit an application for obtaining environmental clearance with the aim of starting its operation.

(2) In order to consider the application mentioned in sub-rule (1), the relevant office of the Department shall inspect on site the concerned industrial unit or project and prepare a report with justification and opinion.

(3) Within a maximum of 7 (seven) working days of receiving the application under sub-rule (1), the relevant office of the Department, upon considering the submitted application, inspection report, compliance of the conditions of location clearance, etc., if satisfied, shall grant environmental clearance in favor of the concerned proponent, or if not satisfied, reject the application and inform the applicant in writing stating the reasons thereof.

12. Procedure for granting location clearance to industrial units and projects of the Orange category—

(1) The proponent of the industrial unit or project of the Orange category shall submit an application for obtaining location clearance by filling out the applicable portions according to Form-3.

(2) The application mentioned in sub-rule (1) shall be accompanied by the application processing fee specified in Schedule-6, the relevant documents and particulars, and an Initial Environmental Examination report. The applicable guidelines in Schedule-9 shall be followed.

(3) In order to consider the application mentioned in sub-rule (1), the relevant office of the Department shall inspect on site the concerned industrial unit or project and prepare a report with justification and opinion.

(4) The relevant office of the Department, in case of an industrial unit or project from serial no. 1 (one) to serial no. 62 (sixty-two) of the Orange category of Schedule-1, shall send the report prepared under sub-rule (3) along with the application, where applicable, to the concerned Environmental Clearance Committee of the regional, divisional or metropolitan office and in case of an industrial unit or project from serial no. 63 (sixty-three) to serial no. 113 (one hundred thirteen) of the said Schedule, shall send the said report along with the application to the Environmental Clearance Committee of the head office of the Department and its copy, where applicable, shall be sent to the regional and divisional office.

(5) The concerned Environmental Clearance Committee shall take a decision comprehensively considering the application mentioned in sub-rule (1) and the report prepared under sub-rule (3).

(6) Upon the decision to grant the location clearance being made in favor of the applicant by the concerned Environmental Clearance Committee, it shall inform the applicant to pay the fee mentioned in Schedule-7.

(7) Within a maximum of 21 (twenty-one) working days of submission of the application according to sub-rule (1), the location clearance shall be granted in favor of the applicant:

Provided that, if the application is rejected, the concerned applicant shall be informed in writing stating the reasons thereof within a maximum of 5 (five) working days of making the decision of rejection.

13. Procedure for granting environmental clearance to industrial units and projects of the Orange category—

(1) After receiving the location clearance, the proponent of the concerned industrial unit or project of the Orange category shall submit an application to the relevant office of the Department in accordance with rule 7 for environmental clearance with the aim of starting the operation of the concerned industrial unit or project.

(2) In order to consider the application mentioned in sub-rule (1), the relevant office of the Department, after site inspection of the concerned industrial unit or project as necessary, shall review the compliance of the conditions of the location clearance and all relevant matters and prepare a report with justification and opinion regarding the granting or rejection of the environmental clearance.

(3) The relevant office of the Department, in case of an industrial unit or project from serial no. 1 (one) to serial no. 62 (sixty-two) of the Orange category of Schedule-1, shall send the report prepared under sub-rule (9) **[S6]** along with the application, where applicable, to the Environmental Clearance Committee of the regional, divisional or metropolitan office and in case of an industrial unit or project from serial no. 63 (sixty-three) to serial no. 113 (one hundred thirteen) of the said Schedule, shall send the said report along with the application to the Environmental Clearance Committee of the head office of the Department and its copy, where applicable, shall be sent to the regional and divisional office.

(4) The concerned Environmental Clearance Committee shall take a decision comprehensively considering the application mentioned in sub-rule (1) and the report prepared under sub-rule (2).

[S6] Source cross-reference retained: rule 13(3) cites (9), although the report is described in (2).

(5) Within a maximum of 20 (twenty) working days of submission of the application according to sub-rule (1), the environmental clearance shall be granted in favor of the applicant:

Provided that, if the application is rejected, the concerned applicant shall be informed in writing stating the reasons thereof within a maximum of 5 (five) working days of making the decision of rejection.

(6) If, after reviewing the Initial Environmental Examination report of an Orange category industrial unit or project, the Environmental Clearance Committee at the Department's head office considers that the resulting pollution may have a severe impact on the environment and human health, the Committee may recommend an Environmental Impact Assessment study. Upon approval of that recommendation by the Director General, the proponent shall conduct the study.

14. Procedure for granting location clearance to industrial units and projects of the Red category—

(1) The proponent of the industrial unit or project falling under the Red category shall submit an application for location clearance to the relevant office of the Department by filling out the applicable portions according to Form-3.

(2) In case of making the application mentioned in sub-rule (1), the application processing fee mentioned in Schedule-6, relevant documents, descriptions, draft terms of reference for Environmental Impact Assessment must be submitted and the applicable guidelines mentioned in Schedule-9 shall be followed.

(3) The draft terms of reference for Environmental Impact Assessment shall be formulated in accordance with the guidelines mentioned in Schedule-10.

(4) After receiving the application, the relevant office of the Department shall inspect the proposed site, review the documents and all relevant matters, and prepare a report stating its opinion on the justification for granting location clearance. It shall forward the report and the draft terms of reference for Environmental Impact Assessment to the Environmental Clearance Committee at the Department's head office, with copies to the regional and divisional offices, where applicable.

(5) After receiving the documents under sub-rule (4), the Environmental Clearance Committee shall evaluate and consider all contents and present the report in this regard to the Director General for approval.

(6) With the Director General's approval, the relevant office shall issue approval of the draft terms of reference for Environmental Impact Assessment to the proponent within a maximum of 30 (thirty) working days after receiving the application:

Provided that, if any additional information or papers are required, instructions to submit them within a maximum of 7 (seven) working days may be given to the applicant:

Provided further that, if the application is rejected upon comprehensive review, the applicant shall be informed in writing stating the reasons thereof within a maximum of 7 (seven) working days of making the said decision.

15. Environmental Impact Assessment study—

(1) The proponent of any industrial unit or project of the Red category shall conduct an Environmental Impact Assessment study and prepare an Environmental Impact Assessment report on the basis of the approved terms of reference by an enlisted environmental consultant according to the guidelines prepared by the Department:

Provided that, for those sectors for which there are no Environmental Impact Assessment guidelines of the Department, guidelines for Environmental Impact Assessment of any international or development partner agency may be followed for conducting the Environmental Impact Assessment study and in this case, it shall be considered whether it is contrary to any plan, policy or decision adopted by the Government.

(2) The enlisted environmental consultant shall perform their activities independently and impartially in consultation with all concerned in conducting the Environmental Impact Assessment study:

Provided that, in case of preparation of the environmental management plan and monitoring program, discussion and consultation may be held with the proponent.

(3) The enlisted environmental consultants shall follow the guidelines mentioned in Schedule-11 in case of preparing the Environmental Impact Assessment study report and the environmental management plan report as a part of this report.

(4) The concerned proponent of any industrial unit or project of the Red category shall submit a declaration in accordance with Form-6 to the effect that all activities, steps, plans or monitoring programs mentioned in the environmental management plan shall be duly complied with.

(5) The proponent of the industrial units and projects of the Red category shall submit the Environmental Impact Assessment report to the Environmental Clearance Committee of the head office of the Department.

16. Public consultation for Environmental Impact Assessment—

(1) As part of Environmental Impact Assessment, the proponent of a Red category industrial unit or project shall, where applicable, arrange public consultation in the area concerned, in the presence of relevant project stakeholders and officials of the relevant office of the Department:

Provided that, in the case of any large-scale and specialized industrial unit or project, or if the location of the industrial unit or project is expanded across more than one division, arrangements for public consultation at the regional or national level shall be taken.

(2) For public consultation, the proponent of the industrial unit or project shall submit an application to the relevant office with 3 (three) sets of the Environmental Impact Assessment report and a Bengali executive summary thereof and its copy shall be sent to the head office.

(3) Within 7 (seven) working days of receiving the application under sub-rule (2), the proponent of the concerned industrial unit or project shall fix the date, time and venue of the public consultation and publish a notification in one widely circulated local and one national daily newspaper.

(4) Detailed information regarding the public consultation shall be published on the website of the Department and the website of the proponent of the said industrial unit or project, if any.

(5) Opinions may be provided to the relevant office including the website of the Department up to 30 (thirty) working days from the publication of the notification regarding the Environmental Impact Assessment report:

Provided that, the public consultation must be completed within 45 (forty-five) working days of the preparation of the draft Environmental Impact Assessment report:

Provided further that, if it is not possible to complete the public consultation within the stipulated time, the time may be extended up to a maximum of 15 (fifteen) working days.

(6) In the public consultation process, any person, group and institution directly or indirectly connected with the initiative of the concerned industrial unit or project and possessing appropriate knowledge and experience in this regard shall be involved as far as possible.

(7) During the public consultation, the following information shall be presented by the proponent of the concerned industrial unit or project, namely:—

(A) Basic information of the industrial unit or project;

(B) Potential benefits of the project;

(C) Environmental impact of the industrial unit or project and, where applicable, social impact;

(D) Means of mitigation of environmental and social impact; and

(E) Other relevant matters connected therewith.

(8) The relevant office of the Department shall approve the minutes of the public consultation meeting within a maximum of 7 (seven) working days after the meeting.

(9) The minutes approved under sub-rule (8) shall be attached to the Environmental Impact Assessment report.

(10) In light of the environmental opinions received during the public consultation process, necessary changes shall be made to the Environmental Impact Assessment report and environmental management plan.

17. Evaluation of Environmental Impact Assessment report—

(1) The proponent of the concerned industrial unit or project may be invited to the meeting of the Environmental Clearance Committee to provide explanations regarding the information and data of the Environmental Impact Assessment report according to sub-rule (1) of rule 15.

(2) If deemed necessary by the Environmental Clearance Committee, it may seek opinion from the concerned department or agency on the Environmental Impact Assessment report and the said opinion shall be received within the stipulated time frame for granting clearance in favor of the concerned industrial unit or project.

(3) The Environmental Clearance Committee shall consider the following matters in its meeting while evaluating the environmental impact of the concerned industrial unit or project, namely:—

(A) Assessed environmental impact, proposed environmental management plan and monitoring program;

(B) Opinions received upon conducting public consultation and the measures taken in light of the said opinions;

(C) Potential alternatives of the concerned project and, if necessary, site inspection of the proposed site of the said project;

(D) Request to provide additional information if the information in the report is deemed insufficient; and

(E) Review of the compliance conditions of the location clearance.

(4) The Environmental Clearance Committee shall review other reports submitted as per the conditions of the terms of reference of the Environmental Impact Assessment report, such as the social impact assessment report, emergency plan regarding accident and disaster management, plan regarding relocation and rehabilitation of the affected persons, risk assessment and management plan.

18. Approval of Environmental Impact Assessment report—

(1) The Environmental Clearance Committee of the head office of the Department, after receiving the Environmental Impact Assessment report of the concerned industrial units and projects of the Red category, shall consider the following matters and send it with recommendations to the Director General for approval, namely:

(A) Whether environmental or social impact has been assessed to an adequate degree;

(B) Whether the proposed environmental management plan and monitoring program are accurate, effective, realistic and adequate;

(C) Whether through the implementation of the proposed environmental management plan and adoption of mitigation measures, the environmental impact of the proposed industrial unit or project will remain within the acceptable standard limits; and

(D) Whether the proposal of the concerned industrial unit or project is contrary to Government policy and plan.

(2) The Environmental Impact Assessment report shall be approved within a maximum of 30 (thirty) working days of the submission of the Environmental Impact Assessment report according to sub-rule (5) of rule 15.

(3) Upon approval by the Director General of the recommendation for approval of the Environmental Impact Assessment report by the Environmental Clearance Committee, the proponent of the concerned industrial unit or project shall be requested to pay the fee mentioned in Schedule-7 within a maximum of 7 (seven) working days.

(4) Within a maximum of 7 (seven) working days of the submission of the proof of payment of fee to the relevant office according to sub-rule (2), the location clearance shall be granted to the proponent of the industrial unit or project. **[S6]**

(5) Considering the matters mentioned in sub-rule (1), if the Environmental Clearance Committee has any objection regarding the application for location clearance of the concerned industrial unit or project, the applicant shall be informed in writing within a maximum of 7 (seven) working days of making a decision thereon by the Director General.

(6) If the proponent of the concerned industrial unit or project fails to take corrective measures within 7 (seven) working days of receiving the written objection according to sub-rule (3), the concerned application may be rejected. **[S6]**

(7) After obtaining the location clearance, the proponent of the concerned industrial unit or project may commence relevant activities including land development, construction of infrastructure or establishment, and opening of Letters of Credit (L.C).

(8) The approved Environmental Impact Assessment report mentioned in sub-rule (2) shall be uploaded on the website of the Department for public information.

19. Procedure for granting environmental clearance—

(1) After obtaining the location clearance, with the aim of starting the concerned industrial unit or project, the proponent shall apply to the relevant office of the Department for obtaining environmental clearance.

(2) After receiving the application under sub-rule (1), the relevant office of the Department shall inspect on site the industrial unit or project and prepare a report with an opinion upon reviewing all relevant matters including the conditions of the location clearance and the recommendations of the Environmental Impact Assessment report.

(3) The report prepared under sub-rule (2) shall be sent to the Environmental Clearance Committee of the head office of the Department and its copy, where applicable, shall be sent to the concerned regional or divisional office.

(4) Upon reviewing the report received under sub-rule (2) along with relevant documents, the Environmental Clearance Committee shall provide recommendations with an opinion to the Director General regarding the granting of environmental clearance in favor of the concerned industrial unit or project.

[S6] Source cross-references retained: rule 18(4) cites (2), and rule 18(6) cites (3).

(5) After the recommendation received under sub-rule (4) is approved by the Director General, the relevant office shall grant the environmental clearance in favor of the said industrial unit or project.

(6) The environmental clearance shall be granted within 30 (thirty) working days of receiving the application for environmental clearance from the concerned industrial unit or project:

Provided that, if the application for environmental clearance is rejected, the applicant shall be informed in writing stating the reasons thereof within a maximum of 7 (seven) working days of making the decision of rejection:

Provided further that, while an industrial unit or project of the Red category is in operation, instructions may be issued by the Department to the proponent to update the Environmental Impact Assessment report considering the monitoring report and the effectiveness of the environmental management plan and any relevant new environmental or social issue.

20. Validity period of location clearance and environmental clearance—

(1) The validity period of the environmental clearance of an industrial unit or project of the Green category shall be 5 (five) years from the date of its issuance which shall be renewable after every 5 (five) years.

(2) The validity period of the location clearance or environmental clearance of an industrial unit or project of the Yellow category shall be 2 (two) years from the date of its issuance which shall be renewable after every 2 (two) years.

(3) The validity period of the location clearance or environmental clearance of an industrial unit or project of the Orange and Red categories shall be 1 (one) year from the date of its issuance which shall be renewable after every 1 (one) year.

21. Procedure for renewal of location clearance—

(1) At least 30 (thirty) days prior to the expiration of the validity period of the location clearance of an industrial unit or project of all categories, the proponent of the concerned industrial unit or project shall apply to the relevant office in accordance with rule 7 for the renewal of the location clearance by filling out Form-4 along with payment of the fee mentioned in Schedule-7.

(2) The relevant office, after inspecting the site of the industrial unit or project, if satisfied that the conditions mentioned in the location clearance have been duly complied with, shall renew the location clearance granted in favor of the said industrial unit or project.

22. Procedure for renewal of environmental clearance—

(1) The proponent of the concerned industrial unit or project shall apply to the relevant office in accordance with rule 7 for the renewal of the environmental clearance by filling out Form-5 along with payment of the fee mentioned in Schedule-7.

(2) After obtaining the environmental clearance, if the conditions set forth in the said clearance are complied with and the relevant activities including the standards determined by the Department are acceptable, the relevant office shall inspect on site the said industrial unit or project and renew the environmental clearance of the industrial unit or project of the Green and Yellow categories:

Provided that, in the case of an industrial unit or project of the Orange and Red categories, the relevant office of the Department shall send its opinion regarding the renewal of the environmental clearance, inspection report along with relevant documents to the metropolitan, regional or divisional office for taking a decision.

(3) Upon approval of the recommendation received in accordance with sub-rule (2) by the metropolitan, regional or divisional office, the relevant office shall renew the environmental clearance in favor of the said industrial unit or project.

23. Taking measures in case of operating an industrial unit or project without location clearance or environmental clearance—

(1) Where applicable as mentioned in rule 6, if information is received that any industrial unit or project is being operated without obtaining a location clearance or environmental clearance, the Director General shall issue a notice to the proponent of the said industrial unit or project granting a maximum of 10 (ten) working days time to show cause.

(2) Within a maximum of 7 (seven) working days of receiving the reply to the show cause notice according to sub-rule (1), the Director General shall make arrangements for a hearing in the presence of all concerned.

(3) After holding the hearing according to sub-rule (2), if the Director General is not satisfied, he shall request the concerned authority to disconnect utility services such as electricity, water, gas, etc., by stopping the activities of the said industrial unit or project along with issuing necessary instructions, or may take any other necessary measures.

(4) After any measure is taken according to sub-rule (3), if the concerned industrial unit or project is to be restarted, the proponent of the concerned industrial unit or project shall apply to the relevant office in accordance with rule 7 for the location clearance or environmental clearance by filling out Form-3 along with submitting the relevant documents and descriptions, environmental management plan and paying the fee mentioned in Schedule-7.

(5) If an industrial unit or project operates without location clearance or environmental clearance, the Director General shall assess the environmental damage and take measures to recover the assessed compensation within the specified period.

(6) If any compensation is determined by the Director General according to sub-rule (5), the proponent of the concerned industrial unit or project shall be obliged to pay it.

(7) If the owner or management authority of the industrial unit or project fails to pay the assessed compensation or to take the directed remedial measures within the stipulated time, the Director General shall take measures under section (7) of the Act.

24. Constitution of the Environmental Clearance Committee—

(1) For the purpose of fulfilling the objectives of section 12 of the Act, the Director General may—

(A) constitute an Environmental Clearance Committee of at least 5 (five) members comprising officials of the Department by making a Director or an officer of higher rank of the head office of the Department as the convener for the industrial units or projects of the Red category and applicable Orange category;

(B) constitute an Environmental Clearance Committee of at least 3 (three) members comprising officials of the said office by making the concerned head of the office of the regional, divisional or metropolitan office of the Department as the convener for the industrial units or projects of the applicable Orange category:

Provided that, the head of the district office under the jurisdiction of the relevant office shall be included as a member in the committee regarding environmental clearance of the metropolitan, divisional and regional office.

(2) The Environmental Clearance Committee may take assistance from such expert persons capable of making a special contribution regarding the environmental impact of the concerned industrial unit or project.

(3) The members of the committee regarding environmental clearance shall be entitled to an honorarium in accordance with Government rules.

25. Functions of the Environmental Clearance Committee—

(1) The functions of the Environmental Clearance Committee of the head office of the Department shall be as follows, namely—

(A) Review and evaluation of the terms of reference for Environmental Impact Assessment and the Environmental Impact Assessment report of the industrial units or projects of the Red category;

(B) Providing recommendations to the Director General regarding the approval of the terms of reference for Environmental Impact Assessment and the Environmental Impact Assessment report, including the granting of clearance;

(C) Determination of the conditions of the clearance considering the type and characteristics of the industrial unit or project;

(D) Providing recommendations to the Director General regarding the granting of clearance upon review of the Initial Environmental Examination report and the application for clearance of the industrial units or projects of the applicable Orange category;

(E) Providing recommendations to the Director General regarding the granting of clearance upon review of the Environmental Management Plan report and the application for clearance of the industrial units or projects of the Red and applicable Orange categories;

(F) Recommending the proponent of any industrial unit or project to undertake corporate social and environmental responsibilities;

(G) Recommending for the approval of the specifications of the construction of wastewater treatment plant and air pollution control system of the industrial units or projects of the Red and applicable Orange categories;

(H) Site inspection of the proposed site of the concerned industrial unit or project according to necessity; and

(I) Any other function determined by the Director General for fulfilling the objectives of section 12 of the Act.

(2) The functions of the Environmental Clearance Committee of the metropolitan, divisional and regional offices of the Department:

(A) Taking a decision regarding the granting of clearance upon review of the Initial Environmental Examination report and the application for clearance of the industrial units or projects of the applicable Orange category;

(B) Taking a decision regarding the granting of clearance upon review of the environmental management plan report and the application for clearance of the existing industrial units or projects of the applicable Orange category;

(C) Determination of the conditions of the clearance considering the type and characteristics of the industrial unit or project;

(D) Approval of the specifications of the construction of wastewater treatment plant and air pollution control system of the industrial units or projects of the applicable Orange category;

(E) Site inspection of the proposed site of the concerned industrial unit or project according to necessity; and

(F) Any other function determined by the Director General for fulfilling the objectives of section 12 of the Act.

26. Transfer of location clearance and environmental clearance—

(1) If an industrial unit or project is transferred to another person or institution, its location clearance or environmental clearance may be transferred on a written application by its representative, transferor or transferee, with the Director General's approval.

(2) If any location clearance or environmental clearance is transferred in accordance with sub-rule (1), the directions given by the Department or claims for compensation, if any, against it shall also be deemed to have been transferred.

27. Appeal—

(1) Any person, proponent of an industrial unit or project aggrieved by any notice, order or direction issued under the Act or these rules may file an appeal to the Appellate Authority within a maximum of 30 (thirty) days from the receipt of the said notice, order or direction:

Provided that, any proponent of an industrial unit or project who has not applied for environmental clearance shall not file an appeal.

(2) Along with the appeal mentioned in sub-rule (1), the following documents shall be submitted, namely—

(A) Attested copy of the notice, order or direction against which the appeal has been made;

(B) Copy of the updated environmental clearance, where applicable;

(C) Proof of payment of 5 (five) thousand Taka as appeal fee through Treasury Challan;

(D) If an appeal is filed against an order of compensation assessed under section 7 of the Act, 25% (twenty-five percent) of the assessed amount shall be paid through Treasury Challan; and

(E) Written undertaking to the effect that the pollution-related activities have been stopped in accordance with the notice, order or direction.

28. Appellate Authority—

(1) For the purpose of fulfilling the objectives of the Act and rules, an Appellate Authority shall be constituted comprising the following members, namely—

(A) Secretary, Ministry of Environment, Forest and Climate Change, who shall also be its Chairman;

(B) Additional Secretary (Environmental Pollution Control), Ministry of Environment, Forest and Climate Change;

(C) Joint Secretary (Environment-2), Ministry of Environment, Forest and Climate Change;

(D) A representative not below the rank of Joint Secretary nominated by the Legislative and Parliamentary Affairs Division; and

(E) Deputy Secretary (Environmental Pollution Control Branch), Ministry of Environment, Forest and Climate Change, who shall also be its Member-Secretary.

(2) The Chairman shall preside over all the meetings of the Appellate Authority and in his absence, the Additional Secretary (Environmental Pollution Control) shall preside over the meetings of the Appellate Authority.

(3) For the quorum of the meeting of the Appellate Authority, the presence of at least 2 (two) members including the Chairman shall be required, however, in the case of an adjourned meeting, no quorum shall be required.

(4) The members of the Appellate Authority shall receive an honorarium in accordance with Government rules.

29. Procedure to be followed by the Appellate Authority—

(1) The Appellate Authority shall fix a date for holding a hearing on the appeal application and issue notice to all concerned.

(2) To facilitate the appeal hearing, the Appellate Authority may order both parties to submit statements on the matter concerned.

(3) After receiving any application for appeal, the Appellate Authority may take a decision regarding the application upon collecting relevant information along with the relevant documents, written descriptions submitted with the application and, if necessary, taking oral evidence.

(4) Upon holding a hearing, the Appellate Authority may, within 90 (ninety) working days of filing the appeal, cancel, alter or amend the decision taken by the concerned notice, order or direction and give an appropriate decision in consideration thereof.

30. Procedure for appeal hearing—

(1) If the appellant is not present on the date fixed for the hearing, the Appellate Authority may dismiss the appeal:

Provided that, the Appellate Authority may extend the time for appearance for the hearing on the basis of an application of the appellant.

(2) If any application for appeal is dismissed under sub-rule (1), an application may be made to the Appellate Authority for its reconsideration within a maximum of 21 (twenty-one) working days from the date of making the said order of dismissal.

(3) The Appellate Authority shall issue an order in writing with the signature of the majority members and send a copy thereof to the relevant office of the Department and the Director General.

(4) Until the appeal is disposed of, location clearance or environmental clearance for the industrial unit or project concerned shall not be issued or renewed.

31. Determination of environmental standards— Water standards shall be determined according to Schedule-2 and the standards of other components of the environment shall be determined in accordance with the provisions of the concerned rules.

32. Standards for effluent discharge— Sewage discharge standards of any industrial unit or project shall be determined according to Schedule-3, effluent discharge standards according to Schedule-4 and industry category based effluent discharge standards according to Schedule-5.

33. Wastewater treatment of industrial units or projects— Matters regarding the construction, approval and operation of a wastewater treatment plant or sewage treatment plant of any industrial unit or project, monitoring of effluent discharge, effluent discharge standards, wastewater analysis procedure, effluent discharge point, sludge disposal, etc., shall be determined according to Schedule-12.

34. Services and related fees— On application by a person, industrial unit, project proponent or organization, the Department may provide analysis of water, wastewater and air samples, noise measurements, and the resulting data and information, on payment of the service fees specified in Schedule-8.

35. Procedure for payment of fees— The fees determined under these rules shall be deposited into the Government treasury through Treasury Challan, Bank Draft, Pay-order or other electronic means and the proof of payment of fee shall be preserved by the depositor.

36. Assessment of environmental damage and realization of compensation—

(1) As an addition to taking measures under section 7 of the Act, the activities of the responsible person, industrial unit or project may be suspended until the pollution is controlled.

(2) In case of failure to pay the compensation money, the location clearance or environmental clearance granted in favor of the concerned person, industrial unit or project may be suspended, canceled or shall not be renewed.

37. Enlistment of environmental consultants or experts—

(1) Any person, institution or organization interested in preparing the Initial Environmental Examination, Environmental Impact Assessment study and Environmental Management Plan reports for any industrial unit or project shall be enlisted with the Department as an environmental consultant or expert:

Provided that, in the case of any internationally recognized domestic or foreign person, institution or organization, enlistment shall not be required.

(2) The Director General shall publish a notification in 2 (two) Bengali national daily newspapers, 1 (one) English national daily newspaper and on the website inviting applications from persons or institutions interested in enlistment as environmental consultants or experts.

(3) The qualifications and experience and other matters for enlistment as environmental consultants or experts shall be in accordance with part 'A' of Schedule-13.

(4) The Director General shall constitute a committee comprising officials of the Department to scrutinize the applications received from persons or institutions interested in enlistment as environmental consultants or experts.

(5) The committee mentioned in sub-rule (4) shall scrutinize the applications and submit an evaluation report to the Director General.

(6) After receiving the evaluation report under sub-rule (5), the Director General may grant approval for enlistment in favor of the concerned applicant or may reject the application.

(7) The application fee for enlistment, enlistment fee and renewal fee as an environmental consultant or expert shall be determined in accordance with part 'B' of Schedule-13.

(8) The tenure of enlistment as an environmental consultant or expert shall be 3 (three) years which shall be renewable after every 3 (three) years.

38. Cancellation, updating, etc. of enlistment of environmental consultants or experts—

(1) If any person, institution or organization applies for enlistment by providing defective, false or incomplete information or receives unethical benefits from the owner or proponent of any industrial unit or project, the Director General shall, upon giving the concerned environmental consultant or expert a reasonable opportunity of hearing, exclude them from the list.

(2) The Director General may, subject to the recommendation of the concerned committee, re-enlist any person, institution or organization excluded from the enlistment.

(3) The Director General shall, from time to time, update the list of environmental consultants or experts.

39. Notification of exceptional incidents— If environmental pollutants are discharged or emitted at any place in excess of the prescribed standards, or if an accident or unforeseen act or event creates a risk of such pollution, the person or persons responsible for the place concerned shall immediately notify the Director General of the incident or risk.

40. Repeal and savings— (1) The Environment Conservation Rules, 1997, hereinafter referred to as the said Rules, and Memo No. 22.00.0000.075.06.001.18-02 issued on the date of January 14, 2018 AD by the Ministry of Environment, Forest and Climate Change are hereby repealed.

(2) Notwithstanding such repeal under sub-rule (1), where applicable, under the said rules—

(A) all acts done shall be deemed to have been done under these rules;

(B) granted location clearance, environmental clearance, notice, order, direction, approval and realized compensation shall be deemed to have been granted and realized under these rules; and

(C) all pending acts shall, as far as possible, be disposed of under these rules.

Form-1

Application for remedy of environmental pollution or degradation of environment

[See sub-rule (1) of rule 3]

To,

Director General

Department of Environment

Government of the People's Republic of Bangladesh

E-16, Agargaon, Dhaka-1207

Sender

.....

.....

.....

Sir,

As a person affected or likely to be affected by environmental pollution or degradation of environment, I pray for remedy regarding the damage to environment or apprehended damage to environment under sub-section (1) of section 8 of the Act:

1. Name and address of the person/persons/institution affected or likely to be affected by environmental pollution or degradation of environment :

2. Cause of being affected :

3. Place of being affected :

4. Description of damage/apprehended damage :

5. Time of occurrence of damage :

6. Name and address of the person/persons/institution, etc. involved in causing the damage :

7. Remedy prayed for :

Date : ..... Signature : .....

Form-2

Notice for sampling

[See sub-rule (1) of rule 4]

No..... Date : .....

To .....

.....

.....

Whereas samples of air, water, soil or other substances must be collected from your industrial unit or project at *** ..... on date ..... at ..... hours to analyze solid waste, wastewater, air emissions or soil pollutants, you are hereby notified to attend, or to arrange for an authorized representative to attend, the industrial unit or project on the sampling date, assist with sample collection and sign the sample collection record.

Signature of sample collecting officer

Name—

Designation—

Note:

*** Description of the source from which the sample is to be collected, such as waste stream, stack, etc.

Form-3

Application for Location Clearance/Environmental Clearance

[See sub-rule (1) of rule 9, sub-rule (1) of rule 10, sub-rule (1) of rule 11, sub-rule (1) of rule 12, sub-rule (1) of rule 14 and sub-rule (4) of rule 23]

For industrial unit

To,

Sir,

I submit the supporting documents and the following information for my proposed industrial unit/existing industrial unit and hereby apply for a location/environmental clearance:

1. Name of the industrial unit:

(A) Location address of the industrial unit:

(B) Present address of the office:

2. (A) Proposed industrial unit:

(a) Estimated project cost:

(b) Amount of land:

(c) Expected date of starting construction:

(d) Expected date of completion of construction:

(e) Expected date of trial production of the industrial unit:

(B) Existing industrial unit:

(a) Date of starting trial production in case of industrial unit:

(b) Total investment:

3. Whether the proposed project is included in an ecologically critical area or included in a prohibited area described in Schedule-9:

4. Name and quantity of produced goods (daily/monthly/yearly):

5. (A) Name and quantity of raw materials (daily/monthly/yearly):

(B) Source of raw materials:

6. (A) Quantity of daily water usage:

(B) Source of water:

7. (A) Name and quantity of fuel (daily/monthly/yearly):

(B) Quantity of electricity usage (in kilowatt-hours) and source of electricity:

8. (A) Location map of the industrial unit:

(B) Layout plan (where applicable, indicating the location of the waste treatment plant):

9. (A) Description of the production process:

(B) Flow-diagram of the production process:

10. (A) Nature of solid waste:

(B) Estimated daily quantity of solid waste:

11. (A) Estimated daily quantity of wastewater (in cubic meters):

(B) Discharge point of wastewater:

12. Nature of gaseous pollutants and their emission method:

13. Potential sources of noise pollution and noise pollution control system:

14. Solid waste management method:

15. Wastewater treatment system (where applicable)*:

16. Air pollution control system (where applicable)**:

17. Measures to be adopted for occupational health protection and safety:

18. Schedule of land and Mouza map:

19. Permission letter of Rajdhani Unnayan Kartripakkha / Chattogram Unnayan Kartripakkha / Khulna Unnayan Kartripakkha / Rajshahi Unnayan Kartripakkha / Local Authority (where applicable):

20. (A) Initial Environmental Examination report/Terms of reference for Environmental Impact Assessment report (where applicable):

(B) Environmental management plan (where applicable):

21. Feasibility study report (where applicable):

22. Other necessary information (where applicable):

Signature of the proponent (with seal)

Name:

Address:

Phone:

E-mail:

Date:

Declaration:

I hereby declare that the information provided in the application is true to the best of my knowledge and no information has been concealed or distorted herein.

(Name and signature of the proponent)

Note:

* Documents related to wastewater treatment in accordance with Schedule-12 shall be submitted.

** Documents related to air pollution control shall be submitted.

*** Every page must contain the signature and seal of the proponent or his representative.

For infrastructure project

To,

Sir,

I submit the supporting documents and the following information for my proposed infrastructure project or existing infrastructure project and hereby apply for a location / environmental clearance:

1. Name of the project:

(A) Location address of the project:

(B) Present address of the office:

2. (A) Proposed project:

(a) Estimated project cost:

(b) Expected date of starting project development work:

(c) Expected date of completion of the project:

(d) Expected date of starting operation of the project (where applicable):

(B) Existing project:

(a) Date of starting operation of the project:

(b) Total investment:

3. Description of project land:

(a) Total amount of land (acres):

(b) Description of land ownership:

(Acres)

By purchase	By record	Lease	Power of Attorney	Khas or Government	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(c) Type/present condition of project land:

(Acres)

Agricultural/Nal	**Homestead**	**Non-agricultural**	**Hill/Hillock**	**Pond/Water body**	**Natural wetland**	**Others**	**Total**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

(d) Whether the proposed project is included in an ecologically critical area or included in a prohibited area described in Schedule-9 :

4. Main activities of the project (land development, infrastructure construction and operation phase):

5. (A) Name and quantity of main materials required for project development and operation:

(B) Source of materials:

6. (A) Quantity of daily water usage:

(B) Source of water:

7. (A) Name and quantity of fuel (daily/monthly/yearly):

(B) Quantity of electricity usage (in kilowatt-hours) and source of electricity:

8. (A) Location map of the project:

(B) Layout plan (where applicable, indicating the location of the drainage/waste/sewage treatment plant):

9. (A) Description of affected families and land for the project (where applicable):

(B) Plan for rehabilitation of the affected persons (where applicable):

10. (A) Nature of solid waste:

(B) Estimated daily quantity of solid waste:

11. (A) Estimated daily quantity of wastewater (in cubic meters):

(B) Discharge point of wastewater:

12. Nature of gaseous pollutants and their emission method:

13. Potential sources of noise pollution and noise pollution control system:

14. Solid waste management method:

15. Wastewater treatment system (where applicable)*:

16. Air pollution control system (where applicable)**:

17. Measures to be adopted for occupational health protection and safety:

18. Schedule of land and Mouza map:

19. Permission letter of Rajdhani Unnayan Kartripakkha / Chattogram Unnayan Kartripakkha / Khulna Unnayan Kartripakkha / Rajshahi Unnayan Kartripakkha / Local Authority (where applicable):

20. (A) Initial Environmental Examination report (where applicable) / Terms of reference for Environmental Impact Assessment report (where applicable):

(B) Environmental management plan report (where applicable):

21. Feasibility study report (where applicable):

22. Project profile (where applicable):

23. Other necessary information (where applicable):

Signature of the proponent (with seal)

Name:

Address:

Phone:

E-mail:

Date:

Declaration:

I hereby declare that the information provided in the application is true to the best of my knowledge and no information has been concealed or distorted herein.

(Name and signature of the proponent)

Note:

* Documents related to wastewater treatment in accordance with Schedule-12 shall be submitted.

** Documents related to air pollution control shall be submitted.

*** Every page must contain the signature and seal of the proponent or his representative.

For healthcare institution

To,

Sir,

I submit the supporting documents and the following information for my proposed healthcare institution or existing healthcare institution and hereby apply for a location / environmental clearance:

1. (A) Name of the healthcare institution:

(B) Address of the institution:

2. (A) Description of proposed healthcare institution

(a) Estimated project cost:

(b) Expected date of starting project work:

(c) Expected date of completion of the project:

(d) Expected date of starting operation of the project:

(B) Description of existing healthcare institution

(a) Date of starting operation of the institution:

(b) Total investment:

3. Description of project land:

(a) Total amount of land:

(b) Amount of land covered by infrastructure:

(c) Other uses of the proposed healthcare institution building (such as: residential, commercial etc.):

4. Type of healthcare institution (put a tick mark on the applicable one):

(A) Clinic (B) Diagnostic Center (C) Hospital

5. Services provided in the institution (put a tick mark on the applicable one or provide necessary information):

(A) Diagnostic Center: (a) Pathological laboratory (b) Radiological investigation (c) Miscellaneous investigation (d) Others .....

(B) Clinic (put a tick mark on the applicable one and provide necessary information): (a) Doctor consultation (b) Pathological laboratory (c) Radiological investigation (d) Miscellaneous investigation (e) Immunization (f) Surgical operation (g) Others .....

(C) Hospital (put a tick mark on the applicable one and provide necessary information): (a) Doctor consultation (b) Pathological laboratory (c) Radiological investigation (d) Miscellaneous investigation (e) Immunization (f) OPD (Outpatient Department) (g) IPD (Inpatient Department) (h) In case of IPD, number of beds: ..... (i) Surgical operation (j) Others.....

6. (A) Quantity of daily water usage:

(B) Source of water:

7. (A) Location map of the project:

(B) Layout plan (where applicable, indicating the location of the waste treatment plant):

8. (A) Estimated daily quantity of general solid waste:

(B) Estimated daily quantity of medical waste:

9. (A) Estimated daily quantity of wastewater (in cubic meters):

(B) Discharge point of wastewater:

10. General solid waste management method:

11. Hazardous medical waste management method:

12. Wastewater treatment system (where applicable)*:

13. Measures to be adopted for occupational health protection and safety:

14. Schedule of land and Mouza map (where applicable):

15. Permission letter of Rajdhani Unnayan Kartripakkha / Chattogram Unnayan Kartripakkha / Khulna Unnayan Kartripakkha / Rajshahi Unnayan Kartripakkha / Local Authority (where applicable):

16. (A) Initial Environmental Examination report (where applicable) / Terms of reference for Environmental Impact Assessment report (where applicable):

(B) Environmental management plan report (where applicable):

17. Feasibility study report (where applicable):

18. Other necessary information (where applicable):

Signature of the proponent (with seal)

Name:

Address:

Phone:

E-mail:

Date:

Declaration:

I hereby declare that the information provided in the application is true to the best of my knowledge and no information has been concealed or distorted herein.

(Name and signature of the proponent)

Note:

* Documents related to wastewater treatment in accordance with Schedule-12 shall be submitted.

** Every page must contain the signature and seal of the proponent or his representative.

Form-4

Application for renewal of location clearance

[See sub-rule (1) of rule 21]

To,

Sir,

I submit the supporting documents and the following information for my existing industrial unit/project and hereby apply for the renewal of location clearance:

1. Name of the industrial unit/project:

2. Location address of the industrial unit/project:

3. (A) In case of proposed industrial unit (a) Name of the product to be produced: (b) Quantity (daily/monthly):

(B) In case of proposed project (a) Main activities of the project:

4. Memo number of issuance of location clearance: ..... Date: ..... (A) Date of latest renewal: ..... Date of expiration: .....

5. Invested money in the project: ..... Taka

6. Amount payable as clearance renewal fee:

Treasury Challan number: ....., Date: .....

Name of the Bank: ....., Branch: .....

7. Amount payable as VAT on clearance renewal fee:

Treasury Challan number: ....., Date: .....

Name of the Bank: ....., Branch: .....

8. Factory construction activities/Project development activities:

Factory/Project activities	o Ongoing	o Closed	o If closed, its date: ...../...../.....
Has there been any change in the production process or development activities?	o Yes	o No	
	o If yes, provide information:		

9. Waste generated as a result of factory construction or project development activities:

Type of waste	**Description**	**Quantity (...../daily)**
General solid waste		
Wastewater		
Air emissions		
Hazardous waste		
Other waste		

10. Pollution control and waste management:

(A) Wastewater treatment system	
(B) Air pollution control system	
(C) Solid waste management	
(D) Sewage treatment system	
(E) Other waste management	
(F) Noise pollution control system	

11. Occupational health and safety:

Occupational health and safety	o Boot o Helmet o Apron/Appropriate clothing	o Dust mask/respirator o Safety glasses o Protective gloves	o First aid

I hereby declare that the information provided in this application is true to the best of my knowledge and no information has been concealed or distorted herein.

Signature of the proponent: (with seal)

Name:

Address:

Phone:

Date:

Note:

• The applicant shall sign every page of this application and the attached documents.

Form-5

Application for renewal of environmental clearance

[See sub-rule (1) of rule 22]

To,

Sir,

I submit the supporting documents and the following information for my existing industrial unit/project and hereby apply for the renewal of environmental clearance:

1. Name of the industrial unit/project: .....

2. Address of the industrial unit/project: .....

3. (A) In case of industrial unit, name and quantity of produced goods (daily/monthly): .....

(B) In case of project, main activities of the project: .....

4. Memo number of issuance of environmental clearance: ..... Date: ...../...../.....

5. Date of latest renewal: ...../...../..... Date of expiration: ...../...../.....

6. Invested money in the project: ..... Taka

7. Amount payable as clearance renewal fee:

Treasury Challan number: ....., Date: ...../...../.....

Name of the Bank: ....., Branch: .....

8. Amount payable as VAT on clearance renewal fee:

Treasury Challan number: ....., Date: ...../...../.....

Name of the Bank: ....., Branch: .....

9. Activities of the factory or project:

Present activities of the factory/project	o Running	o Closed	o If closed, date of closure: ...../...../.....
Has there been any change in the production process of the factory or activities of the project?	o Yes	o No	o If yes, provide information below:

10. Waste generated as a result of factory production process or project activities :

Type of waste	Description of waste	Quantity (...../daily)
General solid waste		
Wastewater		
Air emissions		
Hazardous waste		
Other waste		

11. Wastewater treatment plant (where applicable) :

Treatment capacity of ETP	.....cubic meters/daily		Type of ETP	o Chemical o Bio-chemical	o Biological o Others
Flow-meter	Today's date		Today's reading		Total flow (cubic meters)
	Previous date		Previous reading		
Management of sludge generated from ETP	Dewatering	o			
	Storage	o			
	Disposal	o			
Discharge point of final wastewater		o			
Effectiveness of ETP		o ETP running		o ETP closed	

12. Analyzed results of wastewater (where applicable) : The latest obtained results shall be attached.

13. Air pollution control system:

Source of air emission	o Boiler (Fuel: Coal/Diesel/Gas)	o Furnace/Smelter	o Pulverization/Grinding
	o Buffing/Metal polishing	o Acidic fume	o Mixing/Material Handling
	o Cooking/Kitchen emission	o	o
	o	o	o
Air pollution control	o Chimney (Height from ground/roof----m.)	o Wet scrubber/ESP	o Dust collector (Bag filter/Cyclone)
	o Channelization: Hood, ducting and suction system	o Control system: Cyclone/Wet scrubber/.....	
	o Enclosing from all sides o Water spray	o Dry extraction cum bag filter	o Closed belt conveyor

14. Analyzed results of air emission (where applicable): Latest obtained results attached

15. Noise pollution control system (where applicable):

Sources of noise pollution	o o o o
Noise pollution control system	
Measured noise level	o Latest obtained results attached

16. Other waste management:

Solid waste management	o Dumping/Land filling o Recycling	o Composting o Selling o	o Controlled incineration o Burning o
Sewage management	o Septic tank o STP	o Discharge into public sewerage system	o o

17. Occupational health and safety :

Use of personal protective equipment	o Boot o Helmet o Apron / Appropriate clothing o	o Dust mask/ o Respiratory mask o Safety glasses o Protective gloves	o First aid o o o

18. Zero discharge plan (where applicable) :

Whether zero discharge plan has been approved or not?	o Yes	o No
If zero discharge plan is approved	o Date of approval: .../...../.....	o Date of completion of implementation: ..../..../...
Provide details regarding implementation of zero discharge plan:		

I hereby declare that the information provided in this application is true to the best of my knowledge and no information has been concealed or distorted herein.

Signature of the proponent: (with seal)

Name:

Address:

Phone:

Date:

Note:

*The applicant shall sign every page of this application and the attached documents.

Form-6

Declaration

[See sub-rule (4) of rule 15]

I hereby declare that, to the best of my knowledge, the environmental management plan and monitoring program have been prepared. I shall remain responsible for duly implementing all activities/steps/plans mentioned in the environmental management and the monitoring program.

Name of the industrial unit/project.....

Address of the industrial unit/project.....

Signature of the proponent (with seal)

Name:

Address:

Phone: Fax:

Date: E-mail:

Schedule-1

List of classification of industrial units and projects

[See sub-rule (2) of rule 5, proviso to sub-rule (2) of rule 5, sub-rule (4) of rule 12 and sub-rule (3) of rule 23]

Green Category Industrial Unit or Project

Serial No.	Name of the industrial unit/project
(1)	(2)
1.	Confectionery and bakery (daily production capacity up to 500 kilograms).
2.	Powdered milk re-packing.
3.	Wheat, paddy, turmeric-chili, pulse mill (capital from 10 lakh Taka up to 50 lakh Taka, dry process).
4.	Puffed rice/beaten rice mill (capital from 10 lakh Taka up to 50 lakh).
5.	Chanachur/chips manufacturing (from 10 lakh Taka up to 50 lakh Taka).
6.	Bottled drinking water.
7.	Tea processing, blending and packaging.
8.	Candy (daily production capacity up to 500 kilograms).
9.	Wooden/metallic furniture making (capital from 10 lakh up to 20 lakh Taka).
10.	Printing press.
11.	Cardboard, corrugated box and paper goods (excluding paper and pulp manufacturing)
12.	Making and printing of plastic and biodegradable plastic packaging.
13.	Vehicle repairing workshop (capital from 20 lakh up to 50 lakh Taka). **[S8]**
14.	Spectacle frame manufacturing.
15.	Engineering workshop (capital from 20 lakh up to 50 lakh Taka).
16.	Toy manufacturing and assembling.
17.	Electric and electronic goods assembling.
18.	Bicycle assembling (excluding electroplating/galvanizing).
19.	Pen and ball-pen manufacturing.
20.	Ice factory.

[S8] Source category overlap: motor-repair workshops with capital of 20–50 lakh Taka also fall within the Yellow band above 20 lakh.

Serial No.	Name of the industrial unit/project
(1)	(2)
21.	Cork goods manufacturing.
22.	Yarn coning, twisting, inter-lining, elastic manufacturing.
23.	Garments accessories (excluding washing and dyeing).
24.	Plastic goods (excluding PVC) and biodegradable plastic goods manufacturing.
25.	Livestock farm (number from 15 up to 25).
26.	Sports goods manufacturing.
27.	Restaurant (capital above 30 lakh Taka).
28.	Cold storage.
29.	Bio-fertilizer.
30.	Compost plant (capacity not exceeding 5 tons daily).
31.	Solar power plant (up to 1 MW off-grid).
32.	(CNG/LPG/LNG/Fuel gas) filling station.

Note:

All cottage industries belonging to industrial sectors outside this list shall remain outside the requirement of environmental clearance. (Cottage industry shall mean industries engaged in full-time or part-time production or service-oriented activities by family members and where investment is limited up to a maximum of 5 (five) lakh Taka).

Yellow Category Industrial Unit or Project

Serial No.	Name of the industrial unit/project
(1)	(2)
1.	Salt manufacturing (capital up to 10 lakh Taka).
2.	Wheat, pulse and spice mill (capital above 50 lakh Taka).
3.	Rice mill (parboiling, drying and husking, daily production capacity up to 50 tons).
4.	Confectionery and bakery (daily production capacity above 500 kilograms).
5.	Chanachur/chips manufacturing (capital above 50 lakh Taka).
6.	Puffed rice/beaten rice manufacturing (capital above 50 lakh Taka).
7.	Edible oil mill (excluding refining).
8.	Fish and animal feed manufacturing (Feed mill).
9.	Ayurvedic/homeopathic/unani medicine manufacturing (capital not exceeding 50 lakh Taka).
10.	Textile knitting/weaving.
11.	Footwear and leather goods manufacturing (dry process).
12.	Engineering workshop (capital above 50 lakh Taka).
13.	Motor vehicle repairing workshop (capital above 20 lakh Taka). **[S8]**
14.	Utensils from metal circle by pressure only (dry mechanical method)
15.	Glue (excluding animal glue).
16.	Waste plastic recycling (capital above 10 lakh Taka, excluding pyrolysis).
17.	Match manufacturing.
18.	Wooden/metal furniture manufacturing (capital above 20 lakh Taka).
19.	Metal coated CP film.
20.	Aluminum blister foil and tube manufacturing.
21.	Biomass briquette.
22.	Chemical fertilizer mixing and packing.
23.	Poultry farm.
24.	Livestock farm (number above 25).

[S8] Source category overlap: the Yellow motor-repair workshop capital threshold overlaps the Green band of 20–50 lakh Taka.

Serial No.	Name of the industrial unit/project
(1)	(2)
25.	Fish farming (amount of land above 5 acres).
26.	Installation of diesel operated generator (from 100 up to 500 kVA)*.
27.	Watercraft manufacturing (excluding wooden watercraft).
28.	Cement concrete goods (such as, railway sleeper, electrical pole manufacturing, pipe, block, tiles etc.).
29.	CNG/LPG/LNG conversion workshop.
30.	Metal finishing, painting and annealing units, excluding metal and machine fabrication.
31.	Residential hotel (number of rooms more than 20 but less than 100).
32.	Fuel oil filling station.
33.	Fuel gas (CNG, LPG, LNG etc.) bottling.
34.	Solar power plant (from 1 MW up to 50 MW).
35.	Lube oil blending.
36.	Secondary transfer station for municipal waste.
37.	Sawmill.

Note:

* Applicable for all those buildings which do not require clearance.

Orange Category Industrial Unit or Project

Serial No.	Name of the industrial unit/project
(1)	(2)
1.	Mineral exploration.
2.	Coal and oil based thermal power plant (up to 50 MW).
3.	Gas based thermal power plant (up to 100 MW).
4.	Hydroelectric power plant (up to 5 MW).
5.	Biomass/waste-based power plant (up to 5 MW).
6.	Candy (daily production capacity above 500 kilograms).
7.	Food, vegetable and fruit processing.
8.	Solar power (above 50 MW).
9.	Dockyard.
10.	Lime manufacturing.
11.	Paperboard manufacturing.
12.	Yarn manufacturing (spinning).
13.	Foundry (ferrous and non-ferrous).
14.	Pesticide re-packing.
15.	Mosquito coil and repellent.
16.	Printing and writing ink.
17.	Paint (pigment/polish/varnish/enamel etc.).
18.	Ayurvedic/homeopathic/unani medicine manufacturing (capital above 50 lakh Taka).
19.	Land development (from 5 acres up to 25 acres).
20.	River, canal, beel dredging and dredged material management (up to five kilometers).
21.	Road construction/expansion (from 5 up to 10 kilometers).
22.	Bridge construction (from 100 meters up to 500 meters).
23.	Airport reconstruction and less than 50% expansion.
24.	Port and harbor expansion (less than 50%).

Serial No.	Name of the industrial unit/project
(1)	(2)
25.	Residential and commercial building (built-up area from 5,000 up to 20,000 square meters).
26.	Amusement park (from 5 up to 10 acres).
27.	Rubber/tire/tube manufacturing.
28.	Motor vehicle assembling factory.
29.	Jute mill.
30.	Soap/detergent and other cleaning chemicals.
31.	Electricity, oil and gas transmission line (up to 25 km).
32.	Re-rolling mill.
33.	Toothpaste, tooth powder, talcum powder, perfumes and other cosmetic goods manufacturing.
34.	Industrial gas (nitrogen, oxygen and carbon dioxide etc.).
35.	Glass manufacturing and processing.
36.	Metallic and non-metallic pipe manufacturing.
37.	Metallic nut, bolt, screw and wire nail.
38.	All types of goods manufacturing from PVC.
39.	Salt manufacturing (capital above 10 lakh Taka).
40.	Lead acid battery assembling.
41.	Dry cell battery.
42.	Plywood, fiber wood, particle board manufacturing.
43.	Aluminum/brass goods manufacturing.
44.	Electric cable manufacturing.
45.	Concrete ready-mix factory.
46.	Cotton manufacturing from garments waste.
47.	Automatic rice mill (capital above 50 lakh Taka).
48.	Coastal shrimp farming.
49.	Salt farming (above 10 acres).

Serial No.	Name of the industrial unit/project
(1)	(2)
50.	Hospital and clinic (up to 50 beds).
51.	Diagnostic center.
52.	Slaughterhouse.
53.	Residential hotel (if the number of rooms is more than 100).
54.	Brick manufacturing.
55.	Vehicle terminal (up to 10 acres).
56.	Stone crusher.
57.	Generator (above 500 kVA).
58.	Tire retreading.
59.	GI wire manufacturing.
60.	Copper wire manufacturing.
61.	Gas cylinder manufacturing.
62.	Synthetic fiber manufacturing.
63.	All quarry projects.
64.	Ore processing, coal washery and mineral beneficiation (annually not exceeding 1 lakh tons).
65.	Cement factory (manufacturing cement from clinker, production capacity up to 1 lakh tons per year).
66.	Condensate fractionation plant
67.	Pyrolysis plant.
68.	Oil and gas separation plant.
69.	Lube oil recycling.
70.	Sludge oil refinery.
71.	Waste paper recycling.
72.	Pulp and paper plant (daily production capacity up to 10 tons).
73.	Textile dyeing and printing (daily up to 15 tons).

Serial No.	Name of the industrial unit/project
(1)	(2)
74.	Garment/apparel washing (daily up to 15 tons).
75.	Metal ingot/billet manufacturing unit.
76.	Chlor-alkali, soda ash and other alkalis (daily production capacity up to 50 tons).
77.	Other inorganic chemicals (daily production capacity up to 50 tons).
78.	Dye and dye-intermediates (daily production capacity up to 50 tons).
79.	Basic organic chemicals and other synthetic, organic chemicals (daily production capacity up to 50 tons).
80.	Other chemicals (daily production capacity up to 20 tons).
81.	Synthetic resin.
82.	Chemical fertilizer (combined production capacity up to 1 lakh tons per year).
83.	Groundwater abstraction (daily from 2,500 up to 5,000 cubic meters).
84.	Port and harbor construction (cargo capacity less than or equal to 50 lakh metric tons per year). **[S8]**
85.	Housing and urbanization project (less than 25 acres).
86.	Sewage treatment plant (daily up to 1000 cubic meters).
87.	Central industrial wastewater treatment plant (daily up to 5000 cubic meters).
88.	Medical waste/hazardous waste treatment and disposal (Medical waste/Hazardous waste treatment and disposal facility).
89.	Waste-based power plant (above 5 MW).
90.	Electroplating, anodizing, phosphating, galvanizing industry.
91.	Commercial manufacturing of utensils by clay and china clay.
92.	Edible oil production.
93.	Tiles, refractory, insulation and ceramic goods.
94.	Incinerator plant (daily capacity up to 1 ton).
95.	Compost plant (daily production capacity above 5 tons).
96.	Juice and soft drink manufacturing.

[S8] Source category overlap: Orange port construction allows up to 50 lakh metric tons/year, while Red begins above 30 lakh.

Serial No.	Name of the industrial unit/project
(1)	(2)
97.	Goods produced from coal (such as, coke) combined production capacity up to 200 tons per day.
98.	Sugar production (daily production capacity up to 100 tons).
99.	Tobacco processing, zarda production, bidi-cigarette factory.
100.	Finished leather production from wet blue.
101.	Lead acid and dry cell battery recycling.
102.	Electric and electronic parts manufacturing.
103.	Metal treatment and process-based industry, such as, pickling, surface coating, paint baking, paint stripping, heat treatment, finishing etc.
104.	Fish, meat, shrimp processing.
105.	Starch and glucose.
106.	Milk processing.
107.	Ice cream factory.
108.	Pharmaceutical-all drug formulations.
109.	Shipbuilding (Dead weight tonnage less than 3,000).
110.	Industrial carbon, electrode and graphite block, activated carbon, carbon black etc.
111.	Water treatment plant.
112.	E-waste recycling.
113.	Charcoal production.

Red Category Industrial Unit or Project

Serial No.	Name of the industrial unit/project
(1)	(2)
1.	Mining projects (excluding exploration).
2.	Ore processing, including coal washery and mineral beneficiation (above 1 lakh tons/year).
3.	Coal and oil based thermal power plant (above 50 MW).
4.	Gas based thermal power plant (above 100 MW).
5.	Nuclear power plant.
6.	Hydroelectric power plant (above 5 MW).
7.	Raw leather processing.
8.	Cement clinker manufacturing.
9.	Integrated cement plant (clinker and cement manufacturing).
10.	Cement factory (manufacturing cement from clinker, production capacity above 1 lakh tons per year).
11.	Petroleum crude oil refinery.
12.	Basic petrochemicals.
13.	Chemical goods production from basic petrochemicals.
14.	Pulp and paper plant (daily production capacity above 10 tons).
15.	All types of distilleries.
16.	Integrated textile mills (spinning, weaving/knitting, dyeing and finishing).
17.	Textile dyeing, printing (daily production capacity above 15 tons).
18.	Garment/apparel washing unit (daily production capacity above 15 tons).
19.	Ore-based metallurgical industries (gold, silver, iron and steel, aluminum, copper, zinc, lead, ferro-alloys and other alloys etc.).

Serial No.	Name of the industrial unit/project
(1)	(2)
20.	All types of heavy metal production.
21.	Iron and steel industry.
22.	Aluminum, copper, zinc smelter.
23.	Chlor-alkali, soda ash and other alkalis (daily production capacity above 50 tons).
24.	Other inorganic chemicals and gases used in industry (daily production capacity above 50 tons).
25.	Dye and dye-intermediates (daily production capacity above 50 tons).
26.	Basic organic chemicals and other synthetic, organic chemical goods (daily production capacity above 50 tons).
27.	All other chemical goods (daily production capacity above 20 tons).
28.	Chemical fertilizer (combined production capacity above 1 lakh tons per year).
29.	Pesticide and other agricultural chemical goods formulation.
30.	Pharmaceutical raw materials manufacturing (API).
31.	Basic/bulk drug and drug intermediate.
32.	Lead acid and other wet cell battery manufacturing.
33.	Land development (above 25 acres).
34.	River, canal, beel dredging and dredged material management (above five kilometers).
35.	Groundwater abstraction (daily above 5000 cubic meters).
36.	All types of industrial estates.
37.	Under river tunnel/underground tunnel/common utility tunnel construction (more than 200 meters).
38.	Road construction/expansion (above 10 kilometers).
39.	Bridge/flyover construction (above 500 meters).

Serial No.	Name of the industrial unit/project
(1)	(2)
40.	Railway line installation.
41.	Mass Rapid Transit System.
42.	Port and harbor construction (cargo capacity above 30 lakh metric tons per year). **[S8]**
43.	Port and harbor expansion (above 50%).
44.	Airport construction and above 50% expansion.
45.	Housing and urbanization project (above 25 acres).
46.	Construction of multiple buildings (housing complex) (above 5 acres).
47.	Amusement park (above 10 acres).
48.	Sewage treatment plant (above 1000 cubic meters per day).
49.	Common industrial wastewater treatment plant (above 5000 cubic meters per day).
50.	Hazardous waste storage, treatment, and final disposal project.
51.	Incinerator plant (daily capacity above 1 ton).
52.	Sugar production (above 100 tons daily).
53.	Glue and gelatin production.
54.	Fiberglass production and processing.
55.	Goods produced from coal, such as, coke (combined daily production capacity above 200 tons).
56.	Explosives manufacturing factory.
57.	Refrigerator/air conditioner/air cooler manufacturing.
58.	Automobile manufacturing factory.
59.	Armament factory.
60.	River and basin development, irrigation and flood control and drainage project.
61.	Dam/barrage/cross dam/rubber dam project.

[S8] Source category overlap: Red port construction above 30 lakh metric tons/year overlaps the Orange band up to 50 lakh.

Serial No.	Name of the industrial unit/project
(1)	(2)
62.	Polder construction.
63.	River, canal dredging and dredged material management (above 5 kilometers).
64.	Gas terminal construction.
65.	Production, storage and use of radioactive materials.
66.	Municipal waste landfill site.
67.	Electricity, oil and gas transmission line (above 25 kilometers).
68.	Shipbuilding (Dead weight tonnage above 3,000).
69.	Hospital (above 50 beds).
70.	Plastic or plastic raw material manufacturing (PVC, polypropylene, polystyrene etc.).
71.	Vehicle terminal (above 10 acres).
72.	Ship cutting or breaking activities and ship breaking yard.

Schedule-2

Standards for Water

[See rule 31]

(A) Surface water

(1) Standards for inland surface water

No.	Water use	Parameters											
		pH	DO mg/L	BOD mg/L	NO_3–N mg/L	NH_4–N mg/L	PO_4–P mg/L	Total Cr mg/L	Pb mg/L	Hg mg/L	Total coliform CFU/100 mL	TDS mg/L	COD mg/L
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1.	Source of drinking water for supply only after disinfection	6.5-8.5	≥6	≤2	7.0	0.1	0.1	0.02	0.03	0.001	≤100	1000	10
2.	Water usable for recreational activity	6.5-8.5	≥5	≤3	7.0	0.3	0.5	0.2	0.05	0.001	≤50	1000	10
3.	Source of drinking water for supply after conventional treatment	6-9	≥5	≤3	7.0	0.3	0.5	0.02	0.03	0.001	≤5000	1000	25
4.	Water usable for pisciculture	6-9	≥5	≤6	7.0	0.3	0.5	0.05	0.1	0.004	≤5000	1000	50
5.	Water usable in industry including various processes and cooling	6.5-8.5	≥1	12	-	2.7	-	0.1	0.1	0.05	-	1000	100
6.	Water usable for irrigation	6.5-8.5	-	≤12	5.0	1.5	2.0	0.1	0.1	0.002	≤50,000	1000	100

Note 1. Electrical conductivity of water used for irrigation: 2250 µS/cm at 25 °C; sodium below 26%; boron below 0.1% **[S5]**.

[S5] Source anomaly retained: boron is printed as below 0.1%; the percentage basis is unspecified. No mg/L limit is inferred.

(2) Standards for coastal water

Category		**Conservation**		**Recreation**		**Pisciculture**	**Industry**
Class		**Coral community**	**Natural area[1]**	**Direct contact[2]**	**Secondary contact[3]**	**Aquaculture and shellfish culture**	**Industry and others**
Parameter	Unit						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
pH	-	7.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-8.5	6.5-9.0
Suspended solids (SS)	mg/L	2	25	5	10	50	100
Dissolved oxygen (DO)	mg/L	≥ 5	≥ 5	-	-	≥ 5	≥ 4
Chemical oxygen demand (COD)	mg/L	2	8	-	-	5	5
Total coliform	CFU/100 mL	1000	1000	1000	5000	1000	-
Fecal coliform	CFU/100 mL	200	200	200	1000	200	-
Nitrate nitrogen (NO_3–N) **[S1]**	mg/L	0.2	0.3	0.8	0.8	0.8	1.0
Phosphate (PO_4^{3-})	mg/L	0.04	0.05	0.08	0.08	0.08	0.1
Oil and grease	mg/L	0.01	0.01	-	-	0.14	5.0
Phenolic compounds	mg/L	0.05	0.05	-	-	0.05	0.05
Arsenic (As)	mg/L	0.001	0.001	-	-	0.003	0.003
Cadmium (Cd)	mg/L	0.005	0.005	-	-	0.005	0.005
Cyanide (CN)	mg/L	0.002	0.002	-	-	0.007	0.0014
Hexavalent chromium (Cr(VI))	mg/L	0.05	0.05	-	-	0.05	0.1
Lead (Pb)	mg/L	0.05	0.05	-	-	0.05	-
Mercury (Hg)	mg/L	0.0001	0.0001	-	-	0.0001	0.0001

Note:

1. Conservation of natural areas, including mangroves, seagrass, wildlife habitats, and marine spawning, nursery and feeding grounds;

2. Water sports involving direct contact with water, such as swimming, diving and surfing; and

3. Water sports and activities with minimal likelihood of contact with water, such as boating and fishing.

[S1] Source inconsistency: the Bangla name says nitrite nitrogen; the printed formula NO_3–N denotes nitrate nitrogen. The intended analyte requires clarification.

(B) Standards for drinking water

Serial No.	Parameter	Unit	Standard
(1)	(2)	(3)	(4)
1.	Fecal coliform	CFU/100 mL	0
2.	Total coliform	CFU/100 mL	0
3.	Free residual chlorine	mg/L	0.20
4.	Nitrate (NO_3^-)	mg/L	45
5.	Arsenic (As)	mg/L	0.05
6.	Turbidity	NTU	5
7.	Aluminum (Al)	mg/L	0.20
8.	Ammonia (NH_3)	mg/L	1.50
9.	Barium (Ba)	mg/L	0.70
10.	Benzene (C_6H_6)	mg/L	0.01
11.	Boron (B)	mg/L	1.0
12.	Cadmium (Cd)	mg/L	0.003
13.	Calcium (Ca)	mg/L	75
14.	Chloride (Cl^-)	mg/L	250*
15.	Carbon tetrachloride (CCl_4)	mg/L	0.005
16.	1,1-Dichloroethane ($C_2H_4Cl_2$)	mg/L	0.03
17.	1,2-Dichloroethane ($C_2H_4Cl_2$)	mg/L	0.03
18.	Tetrachloroethane ($C_2H_2Cl_4$)	mg/L	0.04
19.	Trichloroethane ($C_2H_3Cl_3$)	mg/L	0.02
20.	Pentachlorophenol	mg/L	0.009
21.	2,4,6-Trichlorophenol	mg/L	0.20
22.	Chloroform ($CHCl_3$)	mg/L	0.09

Serial No.	Parameter	Unit	Standard
(1)	(2)	(3)	(4)
23.	Total chromium (Cr)	mg/L	0.05
24.	Color	Hazen unit	15
25.	Copper (Cu)	mg/L	1.5
26.	Cyanide (CN)	mg/L	0.05
27.	Fluoride (F^-)	mg/L	1.0
28.	Hardness (as $CaCO_3$)	mg/L	500
29.	Iron (Fe)	mg/L	0.3-1.0
30.	Total Kjeldahl nitrogen	mg/L	1.0
31.	Lead (Pb)	mg/L	0.01
32.	Magnesium (Mg)	mg/L	30-35
33.	Manganese (Mn)	mg/L	0.4
34.	Mercury (Hg)	mg/L	0.001
35.	Nickel (Ni)	mg/L	0.05
36.	Nitrite (NO_2^-)	mg/L	1.0
37.	Odor	-	Odorless
38.	Oil and grease	mg/L	0.01
39.	pH	-	6.5-8.5
40.	Phenolic compounds	mg/L	0.002
41.	Potassium (K)	mg/L	12
42.	Radioactive substances Gross alpha activity	Bq/L	0.1
43.	Gross beta activity	Bq/L	1.0
44.	Selenium (Se)	mg/L	0.01
45.	Silver (Ag)	mg/L	0.02
46.	Sodium (Na)	mg/L	200

Serial No.	Parameter	Unit	Standard
(1)	(2)	(3)	(4)
47.	Suspended solids (SS)	mg/L	10
48.	Sulfide, as Hydrogen Sulfide (H_2S)	mg/L	0.05
49.	Sulfate (SO_4^{2-})	mg/L	250
50.	Total dissolved solids (TDS)	mg/L	1000
51.	Temperature	°C	20-30
52.	Tin (Sn)	mg/L	2.0
53.	Zinc (Zn)	mg/L	5.0
54.	Aldrin and Dieldrin	µg/L	0.03
55.	Anionic Detergents	mg/L	0.2

Note:

* 1000 mg/L in coastal areas.

Schedule-3

Standards for Sewage Discharge

[See rule 32]

Serial No.	**Parameter**	**Unit**	**Maximum limit, except for the pH range**
(1)	(2)	(3)	(4)
1.	Temperature	°C	30
2.	pH	-	6-9
3.	BOD_5 at 20 °C	mg/L	30
4.	Chemical oxygen demand (COD)	mg/L	125
5.	Suspended solids (SS)	mg/L	100
6.	Oil and grease	mg/L	10
7.	Nitrate (NO_3)	mg/L	50
8.	Phosphate (PO_4)	mg/L	15
9.	Total coliform	CFU/100 mL	1000

Conditions:

(1) These standards apply to discharge into surface watercourses.

(2) Before final discharge, sewage shall be disinfected by chlorination. Residual chlorine shall not exceed 0.2 mg/L.

Schedule-4

Standards for Wastewater Discharge from Industrial Units or Projects

[See rule 32]

Serial No.	Parameter	Unit	Maximum limit at the discharge point, except for the pH range		
			Inland surface water	Public sewerage system with secondary treatment	Marine coastal area
(1)	(2)	(3)	(4)	(5)	(6)
1.	Ammoniacal nitrogen (as N)	mg/L	50	50	50
2.	Ammonia (as free NH_3)	mg/L	5	5	5
3.	Arsenic (as As)	mg/L	0.2	0.2	0.2
4.	BOD_5 at 20 °C	mg/L	30	250	100
5.	Boron (B)	mg/L	2	2	4.0
6.	Cadmium (as Cd)	mg/L	2	1	2
7.	Chloride (Cl^-)	mg/L	600	600	-
8.	Total chromium (Cr)	mg/L	0.5	1.0	1
9.	Chemical oxygen demand (COD)	mg/L	200	400	250
10.	Hexavalent chromium (as Cr)	mg/L	0.1	2.0	1
11.	Copper (as Cu)	mg/L	3.0	3.0	3
12.	Fluoride (as F)	mg/L	2	15	15
13.	Sulfide (as S)	mg/L	1	-	5
14.	Iron (as Fe)	mg/L	3	3	3
15.	Total Kjeldahl nitrogen	mg/L	100	-	100
16.	Lead (as Pb)	mg/L	0.1	1.0	2.0
17.	Manganese (as Mn)	mg/L	2	2.0	2
18.	Mercury (as Hg)	mg/L	0.01	0.01	0.01
19.	Nickel (as Ni)	mg/L	1.0	2.0	5
20.	Nitrate (as N)	mg/L	10	-	20

Serial No.	Parameter	Unit	Maximum limit at the discharge point, except for the pH range		
			Inland surface water	Public sewerage system with secondary treatment	**Marine coastal area**
(1)	(2)	(3)	(4)	(5)	(6)
21.	Oil and grease	mg/L	10	20	20
22.	Phenolic compounds (as C_6H_5OH)	mg/L	1.0	5	5
23.	Dissolved phosphorus (as P)	mg/L	5.0	-	-
24.	Radioactive materials (A) Alpha particle emission (B) Beta particle emission	µCi/L	Determined by Bangladesh Atomic Energy Commission	-	-
25.	pH	-	6-9	6-9	6-9
26.	Selenium (as Se)	mg/L	0.05	0.05	0.05
27.	Zinc (as Zn)	mg/L	5	15	15
28.	Temperature	°C	Not more than 5 °C above the receiving water temperature.	-	Not more than 5 °C above the receiving water temperature.
29.	Suspended solids (SS)	mg/L	100	500	100
30.	Cyanide (as CN)	mg/L	0.1	2.0	0.2
31.	Total residual chlorine	mg/L	1.0	-	1.2
32.	Bioassay test (pesticide and pharmaceutical factories only)	-	90% of test fish shall survive 96 hours in the treated effluent.	90% of test fish shall survive 96 hours in the treated effluent.	90% of test fish shall survive 96 hours in the treated effluent.

Conditions:

1. These standards shall be applicable to industrial units or projects other than the industrial categories specified under Schedule-5.

2. In case of industrial units, this standard must be ensured from the moment of going into trial production, and in other cases, from the moment the project starts operating.

3. These standards shall not be exceeded in a grab sample collected at any time. The standards may be made more stringent where the ambient conditions of a location require it.

4. Inland surface water includes drains, ponds, large ponds, waterbodies, depressions, canals, rivers, springs and estuaries.

5. A public sewerage system means a sewerage network connected to a full-scale common treatment system providing primary and secondary treatment.

6. Where a discharge to a public sewerage system or onto land does not conform to the definitions in paragraphs 5 and 6 of the notes, the inland surface water standards shall apply **[S6]**.

7. Groundwater shall not be polluted by any process under any circumstances.

8. Untreated industrial wastewater shall not be discharged, stored or injected underground under any circumstances.

[S6] Source cross-reference retained: condition 6 refers to paragraphs 5 and 6.

Schedule-5

Standards for Wastewater Discharge by Industrial Category

[See rule 32]

1. Fertilizer Factory

(A) Nitrogenous fertilizer factory

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	Ammoniacal nitrogen (as N)	mg/L	50
2.	Total Kjeldahl nitrogen	mg/L	100
3.	Free ammonia	mg/L	5
4.	pH	-	6.0-9.0
5.	Total chromium at the discharge point of chromate removal plant (as Cr)	mg/L	0.5
6.	Hexavalent chromium (Cr(VI))	mg/L	0.1
7.	Suspended solids (SS)	mg/L	100
8.	Oil and grease	mg/L	10
9.	Wastewater Discharge	m^3/ton of urea	10
10.	Temperature	°C	Not more than 5 °C above the receiving water temperature.

(B) Phosphatic Fertilizer Factory

Serial No	Parameter	Unit	Maximum limit
(1)	(2)	(3)	(4)
1.	Fluoride at the discharge point of fluoride removal plant (as F)	mg/L	10
2.	Phosphate (as P)	mg/L	5
3.	Suspended solids (SS) at the chromate removal plant outlet **[S7]**	mg/L	100
4.	Total chromium (as Cr)	mg/L	0.5
5.	Hexavalent chromium (Cr(VI))	mg/L	0.1
6.	Oil and grease	mg/L	10

2. Textile Factory (Washing, Dyeing and Printing)

Serial No	Parameter	Unit	Maximum limit
(1)	(2)	(3)	(4)
1.	pH	-	6-9
2.	Color	Hazen units (Pt-Co)	150
3.	Temperature	°C	Not more than 5 °C above the receiving water temperature.
4.	Suspended solids (SS)	mg/L	100
5.	BOD_5 at 20 °C	mg/L	30
6.	Chemical oxygen demand (COD)	mg/L	200
7.	Total dissolved solids (TDS)	mg/L	2100*
8.	Oil and grease	mg/L	10

[S7] Source sampling point retained: the phosphatic-fertilizer suspended-solids limit is specified at the chromate-removal plant outlet.

Serial No.	Parameter	Unit	Maximum limit
(1)	(2)	(3)	(4)
	Special parameters applicable to dyes used in dyeing or printing		
9.	Total chromium (as Cr)	mg/L	0.5
10.	Sulfide (as S)	mg/L	2.0
11.	Phenolic compounds (as C_6H_5OH)	mg/L	1.0
12.	Lead (Pb)	mg/L	0.1
13.	Cadmium (Cd)	mg/L	0.02
14.	Cobalt (Co)	mg/L	0.5
15.	Nickel (Ni)	mg/L	1.0

Note: *Not applicable in case of discharge into seawater.

3. Pulp and Paper Industry

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6-9
2.	Suspended solids (SS)	mg/L	100
3.	BOD_5 at 20 °C	mg/L	30
4.	Chemical oxygen demand (COD)	mg/L	200
5.	Specific wastewater discharge	m^3/ton of paper	50 for paper made from agricultural raw materials; 25 for paper made from wastepaper
6.	Temperature	°C	Not more than 5 °C above the receiving water temperature.

4. Distillery

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6-9
2.	Suspended solids (SS)	mg/L	100
3.	BOD_5 at 20 °C	mg/L	50
4.	Oil and grease	mg/L	10
5.	Temperature	°C	Not more than 5 °C above the receiving water temperature.

5. Sugar Industry

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6-9
2.	Suspended solids (SS)	mg/L	100
3.	BOD_5 at 20 °C	mg/L	50
4.	Oil and grease	mg/L	10
5.	Wastewater discharge (per ton of crushed sugarcane)	m^3/ton	0.5
6.	Temperature	°C	Not more than 5 °C above the receiving water temperature.

6. Tannery Industry

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6-9
2.	Suspended solids (SS)	mg/L	100
3.	BOD_5 at 20 °C	mg/L	30
4.	Sulfide (as S)	mg/L	1
5.	Total chromium (as Cr)	mg/L	2
6.	Oil and grease	mg/L	10
7.	Wastewater discharge per ton of hides processed	m^3/ton	30
8.	Chloride (Cl^-)	mg/L	2000
9.	Phenols	mg/L	1.0

Note :

1. Salt shall be recovered at the tannery by mechanical desalting and segregation of soak liquor.

2. In case of chrome tanning, a Chrome Recovery Plant must be installed.

7. Food Processing, Fish Processing, Dairy and Starch

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	Temperature	°C	Not more than 5 °C above the receiving water temperature.
2.	pH	-	6-9
3.	Suspended solids (SS)	mg/L	100
4.	BOD_5 at 20 °C	"	30
	Wastewater flow		
5.	Starch	-	8 cubic meters per ton of raw material
6.	Dairy Products	-	3 cubic meters per ton of milk

8. Crude Oil Refinery

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6-9
2.	Oil and grease	mg/L	10
3.	BOD_5 at 20 °C	mg/L	30
4.	Phenolic compounds	mg/L	0.5
5.	Sulfide (as S)	mg/L	1.0
6.	Suspended solids (SS)	mg/L	50
7.	Chemical oxygen demand (COD)	mg/L	150
8.	Benzene (C_6H_6)	mg/L	0.1
9.	Benzo(a)pyrene	mg/L	0.2
10.	Lead (Pb)	mg/L	0.1
11.	Nickel (Ni)	mg/L	1.0
12.	Mercury (Hg)	mg/L	0.01
13.	Copper (Cu)	mg/L	1.0
14.	Cyanide (CN)	mg/L	0.1
15.	Temperature	°C	Not more than 5 °C above the receiving water temperature.

9. Pesticide (Manufacturing & Formulation)

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6.5-8.5
2.	Temperature	°C	Not more than 5 °C above the receiving water temperature.
3.	BOD_5 at 20 °C	mg/L	30
4.	Chemical oxygen demand (COD)	mg/L	200
5.	Oil and grease	mg/L	10
6.	Suspended solids (SS)	mg/L	100
7.	Bioassay Test		90% of test fish shall survive 96 hours in the treated effluent.
8.	Arsenic (As)	mg/L	0.2
9.	Copper (Cu)	mg/L	1.0
10.	Manganese (Mn)	mg/L	1.0
11.	Mercury (Hg)	mg/L	0.01
12.	Antimony (Sb)	mg/L	0.1
13.	Zinc (Zn)	mg/L	1
14.	Tin (Sn)	mg/L	0.01
15.	Nickel etc. (heavy metals individually)		Shall not exceed 5 times the drinking water standard.
16.	Cyanide (CN)	mg/L	0.2
17.	Nitrate (NO_3)	mg/L	45
18.	Phosphate (as P)	mg/L	5.0
19.	Phenol and phenolic compounds	mg/L	1.0
20.	Sulfur (S)	mg/L	0.03

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
21.	Carbonyl **[S2]**	mg/L	0.01
22.	Copper Sulfate ($CuSO_4$)	mg/L	0.05
23.	Copper Oxychloride	mg/L	9.6
24.	Dimethoate	mg/L	0.45
25.	Endosulfan	mg/L	0.01
26.	Fenitrothion	mg/L	0.01
27.	Malathion	mg/L	0.01
28.	Methyl Parathion	mg/L	0.01
29.	Paraquat	mg/L	2.3
30.	Phenthoate	mg/L	0.01
31.	Phorate	mg/L	0.01
32.	Proponil **[S3]**	mg/L	7.3
33.	Pyrethrum	mg/L	0.01
34.	Ziram	mg/L	1.0
35.	Other pesticides (individually)	mg/L	0.1

Note. Total dissolved solids (TDS), sulfate and chloride in the discharged effluent shall remain within the standards applicable to the receiving water.

[S2] “Carbonyl” is printed in the source; it does not uniquely identify a pesticide. **[S3]** “Proponil” is printed in the source; substitution with propanil is unconfirmed.

10. Battery Manufacturing Industry

(A) Lead acid Battery Manufacturing Industry

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6.5-8.5
2.	Suspended solids (SS)	mg/L	50
3.	Lead (Pb)	mg/L	0.1

(B) Dry Cell Battery Manufacturing Industry

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6.5-8.5
2.	Suspended solids (SS)	mg/L	100
3.	Manganese (Mn)	mg/L	2
4.	Mercury (Hg)	mg/L	0.02
5.	Zinc (Zn)	mg/L	5

11. Paint manufacturing

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6.5-8.5
2.	Suspended solids (SS)	mg/L	100
3.	BOD_5 at 20 °C	mg/L	30
4.	Phenols	mg/L	1
5.	Oil and grease	mg/L	10
6.	Chemical oxygen demand (COD)	mg/L	200

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
7.	Bioassay Test	-	90% of test fish shall survive 96 hours in the treated effluent.
8.	Lead (Pb)	mg/L	0.1
9.	Hexavalent chromium (Cr(VI))	mg/L	0.1
10.	Copper (Cu)	mg/L	2.0
11.	Nickel (Ni)	mg/L	2.0
12.	Zinc (Zn)	mg/L	5.0

12. Ceramic tiles and sanitary ware manufacturing factory

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6.0-9.0
2.	Suspended solids (SS)	mg/L	100
3.	BOD_5 at 20 °C	mg/L	30
4.	Oil and grease	mg/L	10

13. Brick kilns

Wastewater

Serial No.	Parameter	Unit	Maximum limit, except for the pH range
(1)	(2)	(3)	(4)
1.	pH	-	6-9
2.	Suspended solids (SS)	mg/L	100

Schedule-6

Application Processing Fee for Location Clearance or Environmental Clearance

[See rule 10 sub-rule (2), rule 12 sub-rule (2) and rule 14 sub-rule (2)]

Serial No.	Category of Industrial Unit or Project	Fee (Taka)
(1)	(2)	(3)
1.	Yellow	2,000
2.	Orange	5,000
3.	Red	10,000

Note: VAT at the rate prescribed by the Government shall be added with the fee.

Schedule-7

Fee for obtaining Location Clearance or Environmental Clearance and renewal thereof

[See rule 9 sub-rule (3), rule 10 sub-rule (4), rule 12 sub-rule (6), rule 18 sub-rule (3), rule 21 sub-rule (1), rule 22 sub-rule (1) and rule 23 sub-rule (4)]

1. Industrial Unit or Project:

Clearance & Clearance Renewal Fee

Name of Ministry/ Institution & Code	**Economic Code**	**Description**	**Rate/Value**	
(1)	(2)	(3)	(4)	(5)
Department of Environment 14503	1422319	**Amount of invested money (Taka)**	**Clearance Fee (Taka)**	**Clearance Renewal Fee (Taka)**
		(A) From 1 (one) lakh to 5 (five) lakh	3,000	Half of the fee mentioned in column (4)
		(B) From 5 (five) lakh 1 (one) to 10 (ten) lakh	6,000	Half of the fee mentioned in column (4)
		(C) From 10 (ten) lakh 1 (one) to 50 (fifty) lakh	10,000	Half of the fee mentioned in column (4)
		(D) From 50 (fifty) lakh 1 (one) to 1 (one) crore	20,000	Half of the fee mentioned in column (4)
		(E) From 1 (one) crore 1 (one) to 5 (five) crore Taka	40,000	Half of the fee mentioned in column (4)
		(F) From 5 (five) crore 1 (one) to 20 (twenty) crore	80,000	Half of the fee mentioned in column (4)
		(G) From 20 (twenty) crore 1 (one) to 50 (fifty) crore	1,60,000	Half of the fee mentioned in column (4)
		(H) From 50 (fifty) crore 1 (one) to 100 (one hundred) crore	2,40,000	Half of the fee mentioned in column (4)
		(I) From 100 (one hundred) crore 1 (one) to 200 (two hundred) crore	4,00,000	Half of the fee mentioned in column (4)

Ministry/ Institution Name & Code	Economic Code	Description	Rate/Value	
(1)	(2)	(3)	(4)	(5)
		(J) From 200 (two hundred) crore 1 (one) to 500 (five hundred) crore	6,00,000	Half of the fee mentioned in column (4)
		(K) From 500 (five hundred) crore 1 (one) to 1000 (one thousand) crore	8,00,000	Half of the fee mentioned in column (4)
		(L) From 1000 (one thousand) crore 1 (one) to 20000 (twenty thousand) crore	10,00,000	Half of the fee mentioned in column (4)
		(M) 20000 (twenty thousand) crore 1 (one) or above	15,00,000	Half of the fee mentioned in column (4)

Note:

(A) In case of obtaining Location Clearance, the amount of money mentioned in column (4) against the invested money mentioned in column (3) shall be paid as fee;

(B) In case of renewal of Location Clearance and obtaining Environmental Clearance subsequent to obtaining Location Clearance, half of the amount of money mentioned in column (4) against the invested money mentioned in column (3) shall be paid as fee;

(C) In case of obtaining Environmental Clearance directly without Location Clearance, the amount of money mentioned in column (4) against the invested money mentioned in column (3) and in case of renewal of Environmental Clearance, half of the amount of money mentioned in column (4) shall be paid as fee; and

(D) In case of obtaining Environmental Clearance while the validity of Location Clearance or renewal has 6 (six) months remaining, no clearance fee shall be paid; however, if the validity of Location Clearance or renewal is less than 6 (six) months, clearance fee at the prescribed rate shall be submitted in case of obtaining Environmental Clearance.

(E) VAT at the rate prescribed by the Government shall be applicable with the clearance and clearance renewal fee.

2. Brick kiln:

Fee for Obtaining Location Clearance or Environmental Clearance & Renewal thereof

Name of Ministry/ Institution & Code	**Economic Code**	**Description**	**Rate/Value**	
(1)	(2)	(3)	(4)	(5)
Department of Environment 14503	1422319	**Amount of invested money (Taka)**	**Clearance Fee (Annual) (Taka)**	**Clearance Renewal Fee (Taka)**
		(A) From 1 (one) lakh to 1 (one) crore Taka	40,000	Half of the fee mentioned in column (4)
		(B) From 1 (one) crore 1 (one) Taka to 5 (five) crore Taka	50,000	One-fourth of the fee mentioned in column (4)
		(C) From 5 (five) crore 1 (one) Taka to 20 (twenty) crore Taka	80,000	One-fourth of the fee mentioned in column (4)
		(D) 20 (twenty) crore 1 (one) Taka or above	1,20,000	One-fourth of the fee mentioned in column (4)

Note:

(A) In case of obtaining Location Clearance, the amount of money mentioned in column (4) against the invested money mentioned in column (3) shall be paid as clearance fee;

(B) In case of renewal of Location Clearance and obtaining Environmental Clearance subsequent to obtaining Location Clearance, half of the amount of money mentioned in column (4) against the invested money mentioned in column (3) shall be paid as fee;

(C) In case of obtaining Environmental Clearance directly without Location Clearance, the amount of money mentioned in column (4) against the invested money mentioned in column (3) and in case of renewal of Environmental Clearance, half of the amount of money mentioned in column (4) shall be paid as fee;

(D) In case of obtaining Environmental Clearance while the validity of Location Clearance or renewal has 6 (six) months remaining, no clearance fee shall be paid; however, if the validity of Location Clearance or renewal is less than 6 (six) months, clearance fee at the prescribed rate shall be submitted in case of obtaining Environmental Clearance; and

(E) VAT at the rate prescribed by the Government shall be applicable with the clearance and clearance renewal fee.

Schedule-8

Fees for analysis of water, wastewater and air samples, noise measurements, and supply of the resulting data and information by the Department of Environment

[See rule 34]

(A) Water or Wastewater or Any Other Sample

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
1.	Coliform	2,000	Department of Environment 14503 Economic Code 1422329
2.	Chlorine (Cl)	1,000	Department of Environment 14503 Economic Code 1422329
3.	Total Hardness	1,000	Department of Environment 14503 Economic Code 1422329
4.	Iron (Fe)	1,600	Department of Environment 14503 Economic Code 1422329
5.	Calcium (Ca)	1,600	Department of Environment 14503 Economic Code 1422329
6.	Magnesium (Mg)	1,600	Department of Environment 14503 Economic Code 1422329
7.	Color	300	Department of Environment 14503 Economic Code 1422329
8.	Electrical Conductivity (EC)	400	Department of Environment 14503 Economic Code 1422329
9.	pH	300	Department of Environment 14503 Economic Code 1422329
10.	Suspended solids (SS)	1,200	Department of Environment 14503 Economic Code 1422329
11.	Total Solids (TS)	800	Department of Environment 14503 Economic Code 1422329
12.	Total dissolved solids (TDS)	800	Department of Environment 14503 Economic Code 1422329

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
13.	Ammonia/Ammoniacal nitrogen	1,600	Department of Environment 14503 Economic Code 1422329
14.	Arsenic (As)	2,000	Department of Environment 14503 Economic Code 1422329
15.	Boron (B)	1,600	Department of Environment 14503 Economic Code 1422329
16.	Cadmium (Cd)	2,000	Department of Environment 14503 Economic Code 1422329
17.	Chemical oxygen demand (COD)	1,600	Department of Environment 14503 Economic Code 1422329
18.	Biochemical oxygen demand (BOD)	1,600	Department of Environment 14503 Economic Code 1422329
19.	Chloride (Cl^-)	1,000	Department of Environment 14503 Economic Code 1422329
20.	Hexavalent chromium (Cr(VI))	2,000	Department of Environment 14503 Economic Code 1422329
21.	Total chromium (Cr)	2,000	Department of Environment 14503 Economic Code 1422329
22.	Cyanide (CN)	1,600	Department of Environment 14503 Economic Code 1422329
23.	Fluoride (F)	1,600	Department of Environment 14503 Economic Code 1422329
24.	Lead (Pb)	2,000	Department of Environment 14503 Economic Code 1422329
25.	Mercury (Hg)	2,000	Department of Environment 14503 Economic Code 1422329
26.	Nickel (Ni)	2,000	Department of Environment 14503 Economic Code 1422329

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
27.	Total Kjeldahl nitrogen	1,600	Department of Environment 14503 Economic Code 1422329
28.	Oil and grease	1,200	Department of Environment 14503 Economic Code 1422329
29.	Phosphate	1,600	Department of Environment 14503 Economic Code 1422329
30.	Phenol	1,600	Department of Environment 14503 Economic Code 1422329
31.	Sulfate	1,600	Department of Environment 14503 Economic Code 1422329
32.	Zinc (Zn)	2,000	Department of Environment 14503 Economic Code 1422329
33.	Temperature	200	Department of Environment 14503 Economic Code 1422329
34.	Turbidity (JTU)	400	Department of Environment 14503 Economic Code 1422329
35.	Turbidity (NTU)	400	Department of Environment 14503 Economic Code 1422329
36.	Phenolphthalein alkalinity (P-alkalinity)	1,000	Department of Environment 14503 Economic Code 1422329
37.	Total alkalinity (T-alkalinity)	800	Department of Environment 14503 Economic Code 1422329
38.	Acidity	800	Department of Environment 14503 Economic Code 1422329
39.	Carbon Dioxide (CO_2)	800	Department of Environment 14503 Economic Code 1422329
40.	Calcium Hardness	1,000	Department of Environment 14503 Economic Code 1422329

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
41.	Dissolved oxygen (DO)	1,200	Department of Environment 14503 Economic Code 1422329
42.	Nitrate	1,600	Department of Environment 14503 Economic Code 1422329
43.	Nitrite	1,600	Department of Environment 14503 Economic Code 1422329
44.	Silica (SiO_2)	1,200	Department of Environment 14503 Economic Code 1422329
45.	Organohalide Compounds	5,000	Department of Environment 14503 Economic Code 1422329
46.	Organophosphate Compounds	5,000	Department of Environment 14503 Economic Code 1422329
47.	Polycyclic aromatic hydrocarbons (PAHs)	5,000	Department of Environment 14503 Economic Code 1422329
48.	Pesticides	5,000	Department of Environment 14503 Economic Code 1422329
49.	Bioassay Test	2,000	Department of Environment 14503 Economic Code 1422329
50.	Copper (Cu)	2,000	Department of Environment 14503 Economic Code 1422329
51.	Manganese (Mn)	2,000	Department of Environment 14503 Economic Code 1422329
52.	Phosphorus (P)	2,000	Department of Environment 14503 Economic Code 1422329
53.	Potassium (K)	2,000	Department of Environment 14503 Economic Code 1422329
54.	Sodium (Na)	2,000	Department of Environment 14503 Economic Code 1422329

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
55.	Aluminum (Al)	2,000	Department of Environment 14503 Economic Code 1422329
56.	Cobalt (Co)	2,000	Department of Environment 14503 Economic Code 1422329
57.	Silicon (Si)	2,000	Department of Environment 14503 Economic Code 1422329
58.	Antimony (Sb)	2,000	Department of Environment 14503 Economic Code 1422329
59.	Silver (Ag)	2,000	Department of Environment 14503 Economic Code 1422329
60.	Selenium (Se)	2,000	Department of Environment 14503 Economic Code 1422329
61.	Sulfide (as S)	1,500	Department of Environment 14503 Economic Code 1422329
62.	GMO Detection	20,000	Department of Environment 14503 Economic Code 1422329
63.	Fat	1,000	Department of Environment 14503 Economic Code 1422329
64.	Lactose	1,500	Department of Environment 14503 Economic Code 1422329
65.	Protein	1,500	Department of Environment 14503 Economic Code 1422329
66.	Enzyme Assay	1,500	Department of Environment 14503 Economic Code 1422329
67.	Escherichia coli (E. coli)	2,000	Department of Environment 14503 Economic Code 1422329
68.	Antibiotic	10,000	Department of Environment 14503 Economic Code 1422329

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
69.	Total bacterial count	2,000	Department of Environment 14503 Economic Code 1422329
70.	Saponification value	1,300	Department of Environment 14503 Economic Code 1422329
71.	Loss on Drying	800	Department of Environment 14503 Economic Code 1422329
72.	Steroid (Identification)	10,000	Department of Environment 14503 Economic Code 1422329
73.	Narcotics (Identification)	10,000	Department of Environment 14503 Economic Code 1422329
74.	Total organic carbon (TOC)	3,500	Department of Environment 14503 Economic Code 1422329
75.	Any parameter which is not mentioned above.	3,000	Department of Environment 14503 Economic Code 1422329

Explanation: In case of compounds, fee for each compound

(B) Air Sample

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
1.	Suspended particulate matter (SPM)	3,000	Department of Environment 14503 Economic Code 1422329
2.	Particulate matter (PM)	3,000	Department of Environment 14503 Economic Code 1422329
3.	PM_{10}	3,000	Department of Environment 14503 Economic Code 1422329
4.	$PM_{2.5}$	3,000	Department of Environment 14503 Economic Code 1422329
5.	Sulfur Dioxide (SO_2)	3,000	Department of Environment 14503 Economic Code 1422329
6.	Oxides of Nitrogen (NO_x)	2,000	Department of Environment 14503 Economic Code 1422329
7.	Carbon Monoxide (CO)	2,000	Department of Environment 14503 Economic Code 1422329
8.	Lead (Pb)	5,000	Department of Environment 14503 Economic Code 1422329
9.	Ammonia (NH_3)	3,000	Department of Environment 14503 Economic Code 1422329
10.	Mercury (Hg)	5,000	Department of Environment 14503 Economic Code 1422329
11.	Ozone (O_3)	1,200	Department of Environment 14503 Economic Code 1422329
12.	Sulfuric Acid Mist	3,000	Department of Environment 14503 Economic Code 1422329
13.	Hydrogen Chloride (HCl)	3,000	Department of Environment 14503 Economic Code 1422329

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
14.	Hydrogen Fluoride (HF)	3,000	Department of Environment 14503 Economic Code 1422329
15.	Acetaldehyde	1,200	Department of Environment 14503 Economic Code 1422329
16.	Hydrogen Sulfide	1,200	Department of Environment 14503 Economic Code 1422329
17.	Dimethyl disulfide	1,200	Department of Environment 14503 Economic Code 1422329
18.	Methyl Mercaptan	1,200	Department of Environment 14503 Economic Code 1422329
19.	Dimethyl sulfide	1,200	Department of Environment 14503 Economic Code 1422329
20.	Styrene	1,200	Department of Environment 14503 Economic Code 1422329
21.	Trimethylamine	1,200	Department of Environment 14503 Economic Code 1422329
22.	Hydrocarbon	1,200	Department of Environment 14503 Economic Code 1422329
23.	Black Smoke	1,200	Department of Environment 14503 Economic Code 1422329
24.	Dioxins and furans	5,000	Department of Environment 14503 Economic Code 1422329
25.	Manganese (Mn)	5,000	Department of Environment 14503 Economic Code 1422329
26.	Any parameter of air which is not mentioned	3,000	Department of Environment 14503 Economic Code 1422329

(C) Noise measurement

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
1.	Noise	600	Department of Environment 14503 Economic Code 1422329

(D) Supply of Various Data or Information Generated from Analysis

Serial No.	Parameter	Fee (Taka)	Name of Ministry/Institution & Code
(1)	(2)	(3)	(4)
1.	Year-wise data or information of surface water and groundwater excluding rivers of all monitoring stations of Dhaka/ Chattogram/ Sylhet/ Khulna/ Barishal/ Rajshahi/ Rangpur and Mymensingh divisions (A) For government agencies (B) For other agencies	9,000 18,000	Department of Environment 14503 Economic Code 1422329
2.	Year-wise data or information of all river water monitoring stations of Dhaka/ Chattogram/ Sylhet/ Khulna/ Barishal/ Rajshahi/ Rangpur and Mymensingh divisions (A) For government agencies (B) For other agencies	12,000 18,000	Department of Environment 14503 Economic Code 1422329
3.	Year-wise data or information of air of all monitoring stations of Dhaka/ Chattogram/ Sylhet/ Khulna/ Barishal/ Rajshahi/ Rangpur and Mymensingh divisions (A) For government agencies (B) For other agencies	7,000 12,000	Department of Environment 14503 Economic Code 1422329
4.	For use by researchers including students/ teachers of various educational institutions and institutions involved in environment related research activities	Free of cost on the basis of written request and recommendation of the head of the organization/ head of the educational institution/ head of the department	-

Note: VAT at the rate prescribed by the Government shall be added with the fee.

Schedule-9

Guidelines for determining the location of industrial unit or project

[See rule 4 clause (B), rule 9 sub-rule (2), rule 10 sub-rule (2), rule 12 sub-rule (2) and rule 14 sub-rule (2)]

The following guidelines shall be followed for determining the appropriate location of a project or industrial unit:

(A) Areas which shall be avoided in case of site selection of an industrial unit or project:

(1) Protected areas under the law considering environmental importance, heritage sites, ecologically critical areas; sanctuaries or areas protected by international conventions;

(2) Places important or sensitive for environment or biodiversity, such as- habitats of endangered/threatened/endemic species, wetlands, hills, natural forest, mangrove forests, coral reefs etc.;

(3) Forest land declared by the Government;

(4) Highly important agricultural land; and

(5) Historical places, monument areas, parks/playgrounds, health centers, residential areas, hospitals, archaeological areas; educational institutions and areas which have been identified as sensitive by the Government or by law.

(B) Matters which shall be considered for site selection of an industrial factory:

(1) Approved industrial zones or areas designated for industrialization;

(2) Of similar nature to adjacent industries;

(3) Suitable and adequate utility supply, waste management and storm drainage facilities;

(4) Places where there is adequate space accommodation for setting up ETP and creating green belt etc.;

(5) Flood-free high land 250 meters away from the flood flow zone (where applicable);

(6) 500 meters away from the high tide line of the coast (where applicable); and

(7) Adequate buffer zone exists between the site for setting up the industry and the sensitive receptor.

(C) The following buffer distance shall be maintained between various categories of industrial factories and sensitive areas:

Category of Industry	Type of Industry	Buffer distance
(1)	(2)	(3)
Red Category	High risk factories, installations or activities which have the following characteristics: • High-risk for fire, radiation and highly hazardous chemicals; • Some of the raw materials used in the production process are highly hazardous; • Emission of air pollutants in significant quantities; • Generates huge quantity of hazardous waste some of which are very complicated to treat.	• Minimum 500 m. or • Where applicable considering the type and extent of risk associated with the factory or activity, the actual buffer distance shall be determined through modeling.
Orange or Red	Heavy industry or activity which has the following characteristics: • Potential for high level of pollution and risky for fire, radiation and highly hazardous chemicals; • Emission of air pollutants in high quantities; • Creates excessive noise pollution or vibration; • Huge quantities of raw materials are used-transfer, warehousing etc. of which generates dust in significant quantities; • Substantial quantities of hazardous waste are generated some of which are very complicated to treat	• Minimum 300 meters, or • Where applicable considering the type and extent of risk associated with the factory or activity, the actual buffer distance may be determined through modeling.
Orange or Red	Medium industry or activity which has the following characteristics: • Potential for medium level of pollution and risky for fire, radiation and highly hazardous chemicals; • Emission of air pollutants in medium quantities; • Creates medium level of noise pollution or vibration; • Hazardous waste is generated which is treated within the factory boundary.	• Minimum 100 meters; • Where applicable the actual buffer distance may be determined through modeling.

Category of Industry	Type of Industry	Buffer distance
(1)	(2)	(3)
Green or Yellow	Light industry or activity which has the following characteristics: • Very low or no potential for air pollution, noise, vibration, odor, fire or explosion; • Hazardous substances are not used as raw materials or generated in the production process; • No hazardous solid waste is generated.	• Minimum 50 meters; • Where applicable the actual buffer distance may be determined through modeling.
Green or Yellow Category	Small industry which has the following characteristics: • Very low or no potential for air pollution, noise, vibration, odor, fire or explosion; • Invested capital excluding land at any time of the year does not exceed 40 lakh Taka and annual turnover does not exceed 60 lakh Taka; • Dry nature of production process. Wastewater may be generated through washing, wiping and cleaning, but potential for water pollution due to its discharge is low; • No hazardous solid waste is generated.	• If heat and noise pollution are generated, a minimum buffer distance of 10 meters may be maintained.

Schedule-10

Guidelines for preparing Terms of Reference for Environmental Impact Assessment

[See rule 14 sub-rule (3)]

Serial No.	Subject	Description
(1)	(2)	(3)
1.	Proponent of the industry/ project	Name and contact address of the proponent; • Name, designation, phone number and e-mail of the person responsible for inquiry regarding any matter related to Environmental Impact Assessment
2.	Study team	Detailed description of each member of the study team, which must include the following information: • Registration number of the Department of Environment • Educational qualification • Experience • Area of study • Declaration (signature)
3.	Necessity of the industry/ project (Statement of Need)	The necessity of the project shall be clearly established at the initial stage of planning. The basis and justification of undertaking the project (Project concept) and the objective of the project shall be mentioned. A description of what benefits will be obtained if the proposed project is undertaken shall be provided.
4.	Description or concept of the industry/ project (Project description/ concept)	The proposed project shall not be contrary to any development plan, policy or decision of the Government. While providing the description of the project, the following matters shall be included: • Clear description of the concept of the proposed project (Project concept), size of the project, components, technology to be used in the production process (where applicable) and development phases.

Serial No.	Subject	Description
(1)	(2)	(3)
		• Clear, colored and readable map, diagram and photograph for clearly understanding the location and nature of the project. General location, specific location, boundary of the project and site/layout plan of the project shall be included among the location maps. • Description of production process with clear flow chart in case of industrial project.
5.	Project alternatives	Brief description of the project alternatives—selection of acceptable option and justification for rejecting the other alternatives.
6.	Description of existing environment	The following matters shall be included in case of providing the description of existing environment: • Geographical boundary of the identified site considering environmental issues; • Condition of physico-chemical, biological and human environment prior to implementation of the project; • Environmentally sensitive areas which may be impacted due to the proposed project considering other scientific, socio-economic and cultural aspects.
7.	Baseline data of proposed project area (physical, chemical, biological, social etc.)	Sampling methods, sampling location, monitoring station and parameter
8.	Location of the project and existing land use	• Actual location of the proposed project; • Existing land use and constraints; • Distance of the proposed project from ecologically critical or sensitive area; • Macro scale map (1: 50,000 and 1: 25,000), plan, photograph or satellite image indicating the location of the proposed project;

Serial No.	Subject	Description
(1)	(2)	(3)
		• Clear, readable, colored land use map. Map prepared using updated satellite image may be used for understanding the recent existing environmental condition. Area of minimum 5 km. radius shall be included in the land use map. • Any map according to the type of the proposed project to explain the existing environmental condition, such as- topography map, geological map, hydrological map etc.
9.	Potential significant impacts	• Brief description of potential significant impacts which will be examined on the basis of important issues of the proposed project; • Outline of methodologies of impact analysis/assessment
10.	Mitigation and abatement measures	Which activities will be considered for mitigation and abatement of impacts of the proposed project shall be determined.
11.	Residual impact	Outline of the significant environmental impacts (long term) which have the possibility of remaining residual after taking mitigation measures of the proposed project
12.	Environmental Management Plan (EMP)	Brief description of the matters which will be included in the environmental management plan.
13.	Environmental Monitoring & follow-up Plan	Brief description of the matters which will be included in the environmental monitoring and follow-up plan.
14.	Decommissioning plan (where applicable)	Brief description of the matters which will be included in the decommissioning plan of the project.

Schedule-11

Guidelines for Preparing Environmental Impact Assessment Report

of Industrial Factory or Project

[See rule 15 sub-rule (3)]

Environmental Impact Assessment Report

Serial No.	Subject	Description
(1)	(2)	(3)
1.	Executive Summary	Executive summary shall contain the information and recommendations obtained in the study written in non-technical language. The following information shall be included in it: • Project description: Brief description of the proposed project. • Study findings: Summary of the assessed impact, mitigation measures and monitoring program in the light of the major environmental issues identified through the terms of reference or study of the Environmental Impact Assessment.
2.	General Information	In case of providing general information, the following information shall be included: • Name and contact address of the project and project proponent; name, designation, phone number and e-mail of the person responsible for the project and name, designation, phone number and e-mail of the person responsible for inquiry of any matter related to Environmental Impact Assessment. • Environmental consultant: Name, contact address and e-mail of the consulting firm; list of names of each member of the study team, area of study and signature.
3.	Project Description & Project Alternatives	• At the time of providing project description the following matters shall be included— • Necessity of the project: Justification, objective and benefits of the project;

Serial No.	Subject	Description
(1)	(2)	(3)
		• Project description: In case of providing project description, project activities, location, layout, phases of project implementation including schedule and matters of potential expansion of the project shall be mentioned. It shall contain the following matters: • Amount of land: Required amount of land, land ownership, land acquisition etc. • Project location and surrounding area: Project location (including location map), layout plan which shall show utilities, machinery, storage yard, infrastructure, transport route and other structures. • Project description: Detailed description of production process including site layout, flow diagram, production capacity, name and quantity of manufactured products and description of utilities. • Project activities and implementation schedule: List of main activities to be undertaken during land development, infrastructure construction and operation of the project; phases of project development and implementation period (Schedule). • Demand for resources and utility services: Demand for fuel like oil, gas, electricity, coal etc.; list, quantity and source of raw materials; demand and source of water; infrastructure to be constructed for handling and storage of raw materials and manufactured products; demand for other supporting infrastructure, utilities and services; employment opportunities during development and operation of the project. • Pollution potential: • Project alternatives: Brief description of options, selection of acceptable option and justification for rejecting the other alternatives.

Serial No.	Subject	Description
(1)	(2)	(3)
4.	Existing Environmental Condition of the Project Area	In the Environmental Impact Assessment, information and data on the following subjects shall be provided in the description of the existing environment of the study area: • Physical environment: Topography, geology, geomorphology, soil, drainage, hydrology and water resources, weather and climate, air and water quality, noise level, existing sources of pollution etc. • Biological environment: Ecosystems (flora, fauna, terrestrial habitats, marine/aquatic habitats), wetlands, endemic/threatened/endangered species, nearest protected, sensitive or critical habitats . • Land use: Existing and proposed land use, ecologically important areas for conservation. • Social environment: Population distribution, economic activities, physical infrastructure and services, socio-cultural amenities, public health. • Map, graph and photograph: With the description of the project area the following information, map, photograph and other visual information shall be added. • Updated photographs of the environment of the project and surrounding area. • Project location (including latitude and longitude), project area and geographical boundary of the study area; macro scale map (1: 50,000 and 1: 25,000) indicating the location of the proposed project, plan, photograph or satellite image; clear, readable, colored land use map.

Serial No.	Subject	Description
(1)	(2)	(3)
		Recent satellite imagery may be used to understand existing environmental conditions. The land-use map shall cover an area with a radius of at least 5 km. • Any other map according to the type of the proposed project for explaining the existing environmental condition, such as- topography map, geological map, hydrological map etc.
5.	Environmental Impact Prediction and Evaluation	Impact assessment of those environmental issues which have been identified in the terms of reference for Environmental Impact Assessment or the further additional environmental issues which have been identified in the Environmental Impact Assessment study shall be done. Impact assessment shall primarily be completed in the following three steps, namely: • Impact identification: Specific and detailed impact of each phase of the project shall be identified. All significant impacts shall be considered. At the same time potential significant indirect and cumulative impacts shall also have to be identified. • Impact prediction: Nature, magnitude, extent and duration etc. of the significant impacts shall be predicted. There are multiple qualitative or quantitative prediction tools for impact assessment. In this case appropriate tool or model shall be selected for the project under study and the project area. • Impact evaluation: The environmental impact generated as a result of project activities shall be evaluated on the basis of the following determinants:

Serial No.	Subject	Description
(1)	(2)	(3)
		Magnitude of impact; extent of effect; duration of impact; reversibility of the affected area or condition; and cumulative impact. Based on these determinants, impacts arising from project activities shall be classified as follows: no impact; significant impact; insignificant impact; unknown impact; or mitigable impact.
6.	Mitigation measures	Recommendation shall be made for adopting realistic, available and effective mitigation measures for prevention of environmental impact. By evaluating all potential alternative means for prevention of environmental impact, advice shall be provided for the best solution, the cost of which is affordable for the proponent and logically acceptable for elimination of the negative impact of the project. The effectiveness of the mitigation measures must be measurable so that it can be proven through monitoring and auditing. Detailed description of each recommended mitigation measure shall be provided. It shall be mentioned when and how these will be included in the detailed design of the project. The estimated cost of all proposed mitigation measures shall be provided if possible.

Serial No.	Subject	Description
(1)	(2)	(3)
7.	Monitoring program	In case of monitoring program description on the following matters shall be provided: • Monitoring of implementation of mitigation measures: Monitoring methodology shall be determined for ensuring proper implementation of the recommended mitigation measures. For this purpose the following information shall be provided: Methodology for examining whether the recommended mitigation measures have been implemented properly; Location for taking mitigation measures and map and photograph indicating the monitoring site; Schedule mentioning the number of site inspections during the project period; Methodology and schedule for sending report and reviewing/auditing of results • Monitoring of environmental impact of the project: Negative environmental changes shall be observed under the monitoring program and to this end detailed description on the following matters shall be included in the monitoring program: Indicator for major environmental issue, environmental standard and their application in the project, monitoring methodology, location and schedule, responsibility of the proponent (required manpower, budget and requirement of consulting services for implementation of monitoring program), monitoring reporting

Environmental Management Plan Report

Serial No.	Subject	Description
(1)	(2)	(3)
1.	Introduction	• Objective of the report
2.	Project Description	• Location, area and objective of the project • Layout and design of the project • Implementation plan and schedule of the project • Other necessary information of the project
3.	Environmental Policy	• Policy of the company regarding environmental management and conservation
4.	Environmental Compliance Requirements	• Applicable legal standards • Environmental conditions provided by the Department of Environment or any other agency • Objectives and indicators which shall be fulfilled • Policies which shall be adhered to continuously • Best practices which shall be applied
5.	Environmental Impacts & Mitigation Measures	• Detailed list of project activities and significant environmental impacts; • Pollution control measures to be adopted; • Conservation activities to be adopted for protection of natural resources, environmental systems, site, characteristics of the area or species; • Measures to address social and public issues (cultural and religious)
6.	Environmental Surveillance, Monitoring & Auditing	• Outline of surveillance and monitoring program to be adopted to ensure proper implementation of proposed mitigation measures; Outline of the procedures and methods which will be adopted for monitoring the environmental condition; How frequently surveillance and monitoring will be conducted; Proposed audit program for verifying compliance of the conditions of environmental clearance; Data collection and preparation of report for submission to the Department of Environment

Serial No.	Subject	Description
(1)	(2)	(3)
7.	Contingency planning	• Plan for addressing abnormal and emergency situations (such as: breakdown of production process machinery, fire, gas leak, dispersion of hazardous substances, breakdown of pollution control machinery). • The following matters shall be included in the plan for managing emergency situations, namely: Procedures and measures to be adopted in managing emergency situations Safety measures (for working staff and general public) Agencies/who shall be contacted during emergency situation and to be informed subsequently Safety awareness raising and educational activities
8.	Organizational structure	• Organizational structure of the institution (including staff responsible for implementation of EMP and supervision of related works) • Responsibilities and work procedures of the staff related to the works of implementation of EMP • Process of reporting to the internal and external agencies (such as: Department of Environment) of the institution (Reporting hierarchy) • Necessity of receiving services from external agencies or individuals (such as: laboratory for environmental monitoring, contractor for sludge disposal) • Training program
9.	Budget & implementation program	• EMP implementation program • Budget allocation in the following sectors: o Implementation of mitigation measures o Surveillance, monitoring and auditing o Training and emergency response

Schedule-12

Wastewater Treatment Plants for Industrial Units or Projects

[See rule 33]

(1) Construction approval of wastewater treatment plant:

(A) For approval to construct an industrial effluent treatment plant, sewage treatment plant or combined industrial wastewater and sewage treatment plant, the proponent shall submit an application to the relevant office of the Department of Environment, either with the clearance application or separately, together with the following documents:

(a) A layout plan of the industrial unit or project site at a scale of 1:200 showing the location of the wastewater treatment plant. Dimensions shall be shown in meters; and

(b) Site plan or area design of the industrial unit or project area which shall contain the following information, namely:

1. The drainage route from the proposed ETP to the effluent discharge point.

2. If the effluent discharge point is in a canal or another drainage channel, the location at which that canal or channel joins the river.

3. If there are any pre-existing effluent discharge or water withdrawal points in the water body (river, canal or drainage channel) where the wastewater will be discharged from the proposed wastewater treatment plant, their locations.

4. A north arrow showing the correct orientation of the drawing.

(c) The wastewater treatment plant layout and hydraulic flow diagram. The hydraulic flow diagram shall show the dimensions of the process units, the process flow path, and the locations and elevations of hydraulic structures, channels, pipelines, weirs and control valves.

(d) Technical description of the proposed wastewater treatment plant which shall contain the following information, namely:

1. Water consumption for production processes and utilities, including wet processing, sanitation, water treatment, cooling, steam generation and firefighting;

2. Wastewater generation from production processes and utilities, and the treatment capacity of the proposed wastewater treatment plant;

3. Characteristics of the generated wastewater and the treated effluent;

4. The treatment scheme and general process flow diagram;

5. Engineering designs, design parameters and calculations for the individual wastewater treatment units.

(e) The wastewater treatment plant design and calculations shall be prepared and signed by a technically qualified person.

(B) The Clearance Committee formed for the category of industry or project for which the wastewater treatment plant will be constructed according to Schedule-1 shall grant approval for the construction of the wastewater treatment plant.

(C) The wastewater treatment plant shall be constructed by the proponent in accordance with the approved design:

Provided that, if deemed appropriate, the Director General may give direction for renovation, alteration, replacement or installation of additional machinery of the wastewater treatment plant and the proponent shall comply with the said direction.

(2) Operation of wastewater treatment plant:

(A) The proponent shall operate and maintain the wastewater treatment plant in accordance with sound engineering practice, treat the wastewater, and ensure that all plant equipment functions properly.

(B) Appropriately qualified manpower shall be appointed for operation of the wastewater treatment plant.

(C) The Department shall approve the manpower structure and qualification.

(3) Monitoring of effluent discharge:

(A) If the wastewater generated from an industry or project is discharged on the surface or into inland water body, the proponent of the said industry or project shall, at his own cost—

(a) monitor the parameters of the wastewater mentioned in the condition of the clearance;

(b) install flow meters, sampling equipment, monitoring instruments and other necessary equipment;

(B) The proponent shall properly retain effluent monitoring records and make them available to Department officers during inspection;

(C) The Department shall determine the wastewater sampling and discharge monitoring methods; and

(D) The proponent shall submit the monitoring data of discharged wastewater to the Department in accordance with the condition provided in the clearance.

(4) Effluent discharge standards: Effluent shall not be discharged at levels exceeding the prescribed limits for the parameters in the applicable schedules referred to in rule 32.

(5) Methodology of wastewater analysis:

(A) An authorized officer of the Department may analyze wastewater from an industrial unit or project in situ or ex situ;

(B) Wastewater from an industrial unit or project shall be analyzed using the methods in Standard Methods for the Examination of Water and Wastewater, jointly published by the American Public Health Association, the American Water Works Association and the Water Environment Federation.

(C) The wastewater analyses referred to in serial no. (3), clauses (a) and (b), shall be performed on grab samples. A grab sample is an individual sample collected over a period of less than 15 (fifteen) minutes **[S6]**.

(6) Effluent discharge point:

(A) Wastewater of industrial unit or project shall be discharged through the discharge point (Discharge Point) shown in the design of the wastewater treatment plant approved by the Department.

(B) Subject to approval of the Department the effluent discharge point mentioned in clause (A) may be changed.

(7) Unauthorized bypass discharge: Wastewater from an industrial unit or project shall not bypass the wastewater treatment plant and be discharged onto an unauthorized land surface, underground, into a waterbody or into a wetland.

(8) Dilution of effluent: Untreated or treated wastewater from an industrial unit or project shall not be diluted at the point of generation or subsequently:

[S6] Source cross-reference retained: Schedule-12 clause 5(c) cites serial no. (3), clauses (a) and (b).

Provided that, on application by the industrial unit or project, the Department may, if it considers it appropriate, permit dilution of the wastewater subject to suitable conditions.

(9) Changes in effluent quantity or composition: The quantity or composition of wastewater discharged to the environment from an industrial unit or project shall not be changed without the Department's prior approval.

(10) Sludge disposal: Sludge generated in an industrial unit or project, production process, wastewater treatment plant, water treatment system or by any other means shall be disposed of in accordance with Bangladesh Standards and Guidelines for Sludge Management.

Schedule-13

Enlistment of Environmental Consultant or Experts

[See rule 37 sub-rule (3) and (7)]

Part 'A':

(1) Any person, government or non-government organization, proprietary firm, company, research institutions shall be considered for enlistment in the following 3 (three) categories, namely—

(a) Environmental consultant (individual);

(b) Environmental consultant (institution); and

(c) Subject matter expert.

(2) Qualification and experience of environmental consultant or experts:

Serial No.	Category	Minimum Educational Qualification	Experience
(1)	(2)	(3)	(4)
1.	Environmental consultant (individual)	Master's degree in any subject of science or engineering	Must have minimum 5 (five) years of environmental impact assessment experience including involvement with environmental impact assessment study of any project or factory.
2.	Subject matter expert	Master's degree in concerned subject	Must have minimum 5 (five) years of working experience in one or more subjects of the fields of environmental impact assessment study.

(3) Matters to be considered for enlistment of environmental consultant institution as applicable:

(A) A permanent office, registration, TIN number and bank account;

(B) Minimum 1 (one) regular salaried environmental consultant who is enlisted with the Department of Environment; and

(C) Minimum 3 (three) subject matter experts contracted with the institution who are enlisted with the Department of Environment.

(4) Fields of environmental impact assessment study: Ecology and biodiversity, air quality, land use planning, water quality, waste management, general environmental management, geology and soil, mining, noise and vibration, groundwater and hydrology, social impact assessment, risk management, health impact assessment, etc.

Part 'B':

Enlistment fee:

Serial No.	Category	Application Fee (Taka)	Enlistment fee (Taka)	Enlistment Renewal Fee (Taka)
(1)	(2)	(3)	(4)	(5)
1.	Environmental consultant (individual)	500	5,000	2,000
2.	Environmental consultant (institution)	1,000	10,000	5,000
3.	Subject matter expert	500	5,000	2,000

(A) All types of fees shall be deposited in the government treasury through treasury challan or through any other government approved medium or electronic medium;

(B) Environmental consultant or expert shall deposit the application fee (non-refundable) along with the application for enlistment; and

(C) Enlistment fee shall be deposited subject to the receipt of the letter of final selection for enlistment as consultant by the Department of Environment.

Schedule-14

Determinants for classification of industrial unit or project

[See proviso to sub-rule (2) of rule 5]

Serial No.	Nature of pollutants generated by the activities of the industrial unit or project			Industrial unit or project category	Remarks
	Wastewater pollutants	Air emissions	Solid waste		
(1)	(2)	(3)	(4)	(5)	(6)
1.	(A) COD of wastewater > 1500 mg/L and (B) Toxic	(A) Particulate matter is generated in the production process and requires control technology such as ESP, bag filter, scrubber, etc. for control; and (B) Presence of hazardous substances in air emission	(A) Hazardous solid waste which requires treatment or incineration for disposal.	Red	(A) If the nature of wastewater or air emission or solid waste of an industrial unit or project is of the type mentioned in serial no. 1, it shall be classified as Red; and (B) If the total volume of industrial and domestic wastewater of an industrial unit or project classified as Orange according to the determinant exceeds 100 cubic meters per day, it shall be classified as Red.
2.	(A) COD of wastewater >700 - <1500 mg/L and (B) Non-toxic	(A) Particulate matter is generated in the production process and can be controlled using appropriate technology; and (B) Presence of oxides of nitrogen, carbon monoxide, carbon dioxide in air emission.	(B) Hazardous solid waste which does not require treatment or incineration for disposal, such as: slag, fly ash, mining rejects.	Orange	(A) If the nature of wastewater or air emission or solid waste of an industrial unit or project is of the type mentioned in serial no. 2, it shall be classified as Orange; and (B) If the total volume of industrial and domestic wastewater of an industrial unit or project classified as Yellow according to the determinant exceeds 100 cubic meters per day, it shall be classified as Orange.

[S4] Source COD bands contain overlaps and gaps: Green <400; Yellow ≥700; Orange >700 and <1500; Red >1500 mg/L. The exact 1500 boundary is unassigned.

Serial No.	Nature of pollutants generated by the activities of the industrial unit or project			Industrial unit or project category	Remarks
	Wastewater pollutants	Air emissions	Solid waste		
(1)	(2)	(3)	(4)	(5)	(6)
3.	(A) COD of wastewater ≥ 700 mg/L. and (B) Non-toxic **[S4]**	(A) Particulate matter is generated in the production process; (B) Generated particulate matter can be removed by simple means.	(A) Non-hazardous solid waste; (B) Biodegradable organic waste; and (C) Easily recyclable solid waste.	Yellow	(A) If the nature of wastewater or air emission or solid waste of an industrial unit or project is of the type mentioned in serial no. 3, it shall be classified as Yellow; and (B) If the total volume of industrial and domestic wastewater of an industrial unit or project classified as Green according to the determinant exceeds 10 cubic meters per day, it shall be classified as Yellow.
4.	(A) COD of wastewater < 400 mg/L.	(A) Fugitive dust is generated; (B) Particulate matter is not generated due to combustion of fuel or processing of chemicals; and (C) Generated particulate matter can be removed by simple means.	(A) Biodegradable solid waste; and (B) Packaging solid waste.	Green	If the nature of wastewater or air emission or solid waste of an industrial unit or project is of the type mentioned in the entry above **[S6]**, it shall be classified as Green.

Explanation—

1. Toxic means the presence of such pollutants in the wastewater whose discharge standard according to Schedule-4 is < 10 mg/L., such as: Total Residual Chlorine, Fluoride, Sulfide, Free Ammonia, Arsenic, Mercury, Lead, Cadmium, Chromium, Cyanide, Phenolic compounds, etc.; and

[S4] Source classification inequalities are retained, including Yellow COD ≥700 mg/L. **[S6]** The Green remarks omit the serial number being referenced.

2. Non-toxic, for this classification, means the presence in wastewater of pollutants whose discharge standards in Schedule-4 are 10-50 mg/L, such as ammoniacal nitrogen, total nitrogen, and oil and grease.

3. Non-toxic also includes, for this classification, pollutants whose maximum discharge standards in Schedule-4 are greater than 50 mg/L, such as total Kjeldahl nitrogen, suspended solids and chloride **[S4]**.

4. Hazardous substances in air emission: Dioxin, Furan, Lead, Mercury, Cadmium, Nickel, Vanadium, Pesticide, Asbestos, Ammonia, Hydrocarbon, Chlorine, Hydrochloric Acid vapor, Methyl Chloride, Fluorine, Hydrogen Fluoride, Hydrogen Sulfide, Sulfur Dioxide, Sulfuric Acid mist, Phosphorus Pentoxide, Phosphoric Acid, etc.

Note: Director General shall determine the office for approval of Location Clearance or Environmental Clearance of the industrial unit or project of Orange category determined according to Schedule-14.

By order of the President

Dr. Farhina Ahmed
Secretary

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[S4] “Toxic” and “non-toxic” are the source’s classification terms; the COD bands on pages 3113–3114 contain unresolved overlaps and gaps.

Translator: Engr. Arif Anwar