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Netherlands Commission for Environmental Assessment

Initial Environmental Examination and

Environmental Impact Assessment Rules 2014

(Draft)

National Impact Assessment Programme

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INITIAL ENVIRONMENTAL EXAMINATION AND ENVIRONMENTAL IMPACT ASSESSMENT RULES 2014

S.R.O._____/2014. Whereas it is expedient in the public interest to provide for achieving the objects of the_____ Environmental Protection Act, _____, the Government of _____ hereby notifies the following Rules in exercise of powers conferred by Section _____read with Section _____of the _____Environmental Protection Act_____:-

1. Short Title and Commencement:

(1) These Rules may be called Initial Environmental Examination and Environmental Impact Assessment Rules, 2014.

(2) They shall come into force at once.

2. Definitions:

(1) In these Rules, unless there is anything repugnant in the subject or context:

a. "Act" means the **(Name of the Province)** Environmental Protection Act, _____.

b. "Activity" means, procurement of project specific goods, machinery and materials, acquisition of land, and any other step for the execution of a project.

c. "Corrective Action Plan" means a plan prepared by the proponent or operator before or after commencement of operations of the project indicating any changes, effects of such changes and the measures for implementing such changes, not requiring a fresh Initial Environmental Examination or Environmental Impact Assessment.

d. "Environmental Assessment Advisory Committee" means the Committee constituted under Rule 18.

e. "Expert" means a person with such educational qualifications, expertise, knowledge and experience in the discipline relevant to the project as laid down in Schedule III.

f. "Guidelines" means all the principles, procedures and parameters issued, or to be issued by Provincial Agency from time to time, for preparation, review and approval of Initial Environmental Examination or Environmental Impact Assessment and all other matters incidental thereto.

g. "Operator" means any person who runs, administers, controls or manages a project and includes a proponent.

h. "Precautionary approach" means that the lack of scientific certainty shall not be a reason to postpone action to avoid potentially significant or irreversible damage to the environment and human welfare.

i. "Provincial Agency" means the Environmental Protection Agency constituted under section _____ of the Act.

j. "Scoping" means determining detailed and comprehensive terms of reference for Environmental Impact Assessment which address all potential environmental impacts of a proposed project.

k. "Screening" means initial scrutiny to determine whether or not a project requires further environmental studies for preparation of an Environmental Impact Assessment depending upon the nature and location of the project.

l. "Section" means a section of the Act.

m. "Sensitive and critical area" means a national park, wildlife sanctuary, game reserve, or any other area protected by law, the habitat of any scheduled species, any critical or sensitive ecosystem, particularly those that provide essential ecosystem services including but not limited to wetlands, mangroves and areas rich in agricultural, archaeological sites, monuments, buildings, antiquities and cultural heritage sites, densely populated areas and such other area that the Provincial Agency may notify.

(2) All other words and expressions used in these Regulations but not defined shall have the same meanings as are assigned to them in the Act.

3. Screening & Categorization of Projects:

(1) Projects requiring an Initial Environmental Examination

A proponent of a project listed in Schedule I shall file an Initial Environmental Examination with the Provincial Agency, and the provisions of section __ of the Act and these Rules shall apply.

(2) Project requiring an Environmental Impact Assessment

A proponent of a project listed in Schedule II shall file an Environmental Impact Assessment with the Provincial Agency, and the provisions of section ___ of the Act and these Rules shall apply.

(3) The Provincial Agency may, on its own accord or on a written complaint, direct, for reasons to be recorded, the proponent of any project, not listed in Schedule I or II, to file either an IEE or an EIA.

Provided that, such direction shall not be issued without specifying reasons therefore and without written recommendations of the Environmental Assessment Advisory Committee constituted under Rule 18.

4. Letter of Intimation:

(1) Every proponent of a project falling in Schedule I shall intimate the Provincial Agency of his intention to set up the project at least one month prior to submission of Initial Environmental Examination.

(2) Such intimation shall include the description of the project and its proposed location.

(3) In case a proponent fails to intimate the Provincial Agency as required by sub rule (1), its Initial Environmental Examination shall not accepted for review.

5. Scoping:

(1) The proponent of any project listed in Schedule II shall submit a scoping report at the time of planning stage of a project, to the Provincial Agency, in accordance with the indicative list of minimum considerations in Schedule IV, read with the Guidelines consistent with these Rules for determination of terms of reference for preparation of Environmental Impact Assessment.

(2) Provincial Agency shall give a public notice of the substance of the scoping report in one English and one Urdu national newspaper and one local newspaper of general circulation in the area affected or to be affected by the proposed project immediately on its receipt and shall invite comments from the public.

(3) The review of scoping report shall be carried out by the Provincial Agency in consultation with relevant government agencies and it may associate experts in the process as and when it may deem fit.

(4) The Provincial Agency shall determine the final terms of reference according to which an Environmental Impact Assessment is to be prepared and shall convey its decision within a period of 21 days to the proponent.

(5) In case the Provincial Agency fails to determine and convey the final terms of reference to the proponent within the aforesaid period, such determination may be made and conveyed within such further period as may be deemed appropriate by it, not exceeding of 21 days.

(6) Every proponent shall pay, with the scoping report, a non-refundable fee according to rates provided in Schedule V.

(7) The Provincial Agency shall post final terms of reference on its website and shall give a public notice of the substance of the scoping report in one English and one Urdu national news paper and one local news paper of general circulation in the area to be affected by the proposed project.

6. Guidelines:

(1) The Provincial Agency shall, by notification in the official gazette, adopt the Guidelines framed by the Federal Environmental Protection Agency and may on its own accord or on the recommendations of the Environmental Assessment Advisory Committee, review, revise and reissue such Guidelines whenever deemed necessary by it. Such guidelines shall, unless inconsistent, shall form part of these Rules. In addition to such Guidelines, the Provincial Agency shall issue such further Guidelines, relating to the projects listed in Schedule I or II, within a period of ____ months that have not been issued so far.

(2) While preparing Initial Environmental Examination or Environmental Impact Assessment, the proponent shall adhere to these Rules and to the Guidelines that have been, or may be issued from time to time.

(3) In case the proponent is unable to follow any requirement of any Guidelines, it shall apply for exemption there from, in writing, setting out the reasons thereof, prior to preparation of the Initial Environmental Examination or Environmental Impact Assessment.

(4) After considering the application for exemption, the Provincial Agency may approve or reject the same for reasons to be recorded.

(5) Where the application for exemption is rejected, the Provincial Agency shall direct the proponent to comply with the Guidelines whose exemption is sought for and in such case, the proponent shall be bound to comply with the requirements of such directions.

7. Preparation and Filing of Initial Environmental Examination or Environmental Impact Assessment:

(1) Initial Environmental Examination shall be in accordance with Schedule VI and the Guidelines as may be applicable.

(2) Environmental Impact Assessment shall be in accordance with the terms of reference as determined in sub-rule (7) of Rule 4, Schedule VII and the Guidelines as may be applicable.

(3) In the case a project listed under Schedule II, is to be executed as a Public Project the proponent shall allocate sufficient amount for preparation of an Environmental Impact Assessments in PC- II and shall obtain approval of Environmental Impact Assessment prior to submission of PC-I.

(4) In the case of a project listed under Schedule II, is to be executed as a Private Project the proponent shall submit the Environmental Impact Assessment to the Provincial Agency, at the planning stage, prior to commencement of any activity.

(5) Ten paper copies and one electronic copy of draft Initial Environmental Examination or draft Environmental Impact Assessment, as the case maybe, shall be filed with the Provincial Agency.

8. Preliminary Scrutiny:

(1) Within 15 working days of filing of draft Initial Environmental Examination or draft Environmental Impact Assessment, the Provincial Agency shall:

(a) Confirm that the draft Initial Environmental Examination or draft Environmental Impact Assessment is complete for purposes of initiation of the review process; or

(b) Require the proponent to submit such additional information as may be specified; or

(c) Return the draft Initial Environmental Examination or draft Environmental Impact Assessment to the proponent for revision, clearly listing the points requiring further study and discussion.

(2) Nothing in sub-rule (1) shall prohibit the Provincial Agency from requiring the proponent to submit additional information and documents at any stage during the review process.

9. Public Participation:

(1) Provincial Agency shall, simultaneously with issue of confirmation of completeness under clause (a) of sub-rule (1) of Rule 8, cause to be published in one English and one Urdu national newspaper and one local newspaper of general circulation in the area to be affected by the proposed project, a public notice mentioning the type of project, its exact location, the name and address of proponent the availability of a draft Initial Environmental Examination or draft Environmental Impact Assessment.

(2) Such public notice and Initial Environmental Examination or Environmental Impact Assessment, as the case maybe, shall be uploaded on the website of the Provincial Agency along with translation of Executive Summary in Urdu or other local language and shall invite written comments on the draft reports.

(3) The Provincial Agency shall take all measures necessary to facilitate the participation of women and disadvantaged and vulnerable groups in the process of public hearing.

(4) The notice issued under sub-rule (1) shall fix a date, time and place for public hearing for receiving comments on the proposed project or its Initial Environmental Examination or Environmental Impact Assessment.

(5) The date fixed under sub-rule (3) shall not be earlier than 21 days from the date of publication of notice.

(6) The Provincial Agency may fix such further dates of public hearing as may be required for the purpose in the circumstances of the case.

(7) The Provincial Agency shall prepare minutes of hearing(s) and shall maintain their records along with the written comments received by it. The minutes of hearing and the written comments shall be uploaded on its website within 10 days of the date of the final hearing.

(8) The comments made during the hearing and received in writing shall be duly considered by the Provincial Agency.

(9) The public hearing shall be conducted in the manner laid down in these Rules and the Guidelines.

10. Government Agencies and Experts:

(1) On the publication of notice of the availability of a Initial Environmental Examination or Environmental Impact Assessment, the Provincial Agency shall simultaneously circulate the report to the concerned Government Agencies and solicit their comments.

(2) The comments received shall be collated, tabulated and duly considered by Provincial Agency and uploaded on the website within 10 days of the date of receipt of the comments.

(3) In reviewing the Environmental Impact Assessment, the Provincial Agency shall engage services of at least one expert and solicit his views and comments to the proposed project. In case of Initial Environmental Examination the Provincial Agency may engage the services of expert(s) if so needed. The expert(s) engaged by Provincial Agency shall be paid his/their professional charges out of the fee paid by the proponent.

(4) The Provincial Agency shall appoint and authorize officers from its own administrative department and may coordinate with District Governments for inspection of the proposed site of a project and shall direct the authorized person(s) to submit their report within 7 days of the inspection of the site.

11. Review:

(1) The Provincial Agency shall make every effort to carry out its review of the Initial Environmental Examination within __ days, and of Environmental Impact Assessment within ___ days after issue of confirmation of completeness under sub-rule (a) (1) of Rule 8. If

Provincial Agency is unable to make a decision on the Initial Environmental Examination or Environmental Impact Assessment within the aforesaid periods, it may apply to the Government for an extension of time for a further period not exceeding __ days for Initial Environmental Examination and __ days for Environmental Impact Assessment respectively.

(2) If within the extended period no decision is taken by the officers of the Provincial Agency appointed for review, such officers shall be liable to minor penalties provided for the Civil Servants according to the applicable law.

(3) The Provincial Agency shall use the precautionary approach to review the Initial Environmental Examination or Environmental Impact Assessment, and it shall be based on quantitative and qualitative assessment of the documents and data furnished by the proponent, comments from the public under sub-rule (7) of Rule 9, findings of Government Agencies received under sub-rule (1) of Rule 10, and views of experts mentioned in sub-rule (3) of Rule 10.

(4) The Director General shall appoint at least two senior officers of the Provincial Agency, to review the Initial Environmental Examination or Environmental Impact Assessment. The review of Environmental Impact Assessment shall be in accordance with the review criteria given in Schedule VIII.

(5) In case of Initial Environmental Examination, the officers so appointed, may, for reasons to be recorded, approve the Initial Environmental Examination with or without conditions or direct the proponent to prepare an Environmental Impact Assessment. In case of an Environmental Impact Assessment, the officers so appointed may approve the environmental report with conditions, or reject it, for reasons to be recorded.

(6) If there is conflict of opinion between the officers appointed pursuant to sub-rules 3 and 4, the Director General shall be the authority to finally decide the matter. The decision of the officers concurring with each other or the decision of the Director General shall be final and deemed to be the decision of the Provincial Agency.

12. Decision:

(1) On completion of the review, the decision of the Provincial Agency shall be communicated to the proponent in the form provided in Schedule IX in the case of Initial Environmental Examination, and in the form provided in Schedule X in the case of Environmental Impact Assessment. Such decision of Provincial Agency shall be communicated to the relevant government agencies and public notice thereof shall also be published in one English and one Urdu national newspaper and one local newspaper of general circulation in the area to be affected by the proposed project.

(2) The decision and its rationale and the final Initial Environmental Examination or Environmental Impact Assessment as the case maybe, shall also be posted on the website of the Provincial Agency.

13. Conditions of Approval and Confirmation:

(1) Every approval of an Initial Environmental Examination or Environmental Impact Assessment shall be subject to the conditions that the project be designed and constructed, and mitigatory and other measures adopted strictly in accordance with the approved Initial Environmental Examination or Environmental Impact Assessment.

(2) The Provincial Agency may impose any other conditions, as it may deem appropriate.

(3) Before commencing any activity, the proponent shall acknowledge acceptance of stipulated conditions mentioned in sub-rule (1) and (2), by executing an undertaking in the form provided in Schedule XI and shall also file an amended Environmental Management Plan that includes all conditions the Provincial Agency may have imposed.

(4) The Provincial Agency shall post the Environmental Management Plan approved by it on its website.

(5) Before operation of a project, the proponent shall obtain from the Provincial Agency written confirmation that the conditions of the approval, the requirements in the approved Initial Environmental Examination or Environmental Impact Assessment and the approved Environmental Management Plan have been duly complied with.

(6) Provincial Agency may proceed and take action against the proponent in accordance with Rule 17.

(7) No project shall be operated unless the proponent has acted upon the directions issued by the Provincial Agency for taking any corrective measures for compliance with conditions and requirements of Rule 13(1).

14. Validity Period of Approval:

(1) The approval accorded by Provincial Agency under section __ read with Rules 12 and 13 shall be valid for commencement of construction, for a period of 3 years from the date of approval unless a period of more than 3 years is allowed by Provincial Agency on the application of the proponent at the time of filing of Environmental Impact Assessment.

(2) The Provincial Agency may in its discretion and for reasons to be recorded, extend the validity period mentioned in sub-rule (1), for such period not exceeding 2 years, if the conditions of the approval do not require significant change.

Provided that Provincial Agency may require the proponent or operator to submit a fresh Initial Environmental Examination, Environmental Impact Assessment or Corrective Action Plan if in its opinion changes in nature, location, design, construction and operation of the subject so warrant.

15. Entry and Inspection:

(1) For the purpose of verification of any matter relating to the review or to the conditions of approval of an Initial Environmental Examination or Environmental Impact Assessment prior to, during or after commencement of construction or operation of a project duly authorized staff of the Provincial Agency and any officers of the District Governments shall be entitled to enter and inspect the project site, factory, building and plant and equipment installed therein.

(2) The inspection report containing the findings of the inspectors relating to the compliance to the conditions and requirements mentioned in sub rule (1) of Rule 13 shall be submitted to the Provincial Agency within 7 days of the date of inspection.

(3) A proponent or operator shall ensure full cooperation by its staff at site to facilitate an inspection, and shall provide such information as may be required by Provincial Agency for this purpose.

16. Monitoring:

(1) After the commencement of operation of a project listed in Schedule II, the operator shall submit bi-annual reports summarizing the operational performance of the project, with reference to the approved Environmental Management Plan.

(2) To enable the Provincial Agency to effectively monitor compliance with the conditions of approval, the operator shall furnish such additional information as the Provincial Agency may require.

(3) The Provincial Agency shall document all monitoring results, including the development and implementation of corrective actions, and shall make periodic monitoring reports available on the Provincial Agency's website.

(4) Third party audit of the operations, management, performance and compliance with the conditions and requirements of the approval of the project shall be conducted after every two years by such experts as may be approved by the Provincial Agency.

17. Cancellation of Approval:

(1) Notwithstanding anything contained in these Rules, if at any time, on the basis of information provided by any person or an inspection report the Provincial Agency is of the opinion that the conditions of an approval have not been complied with, or that the information supplied by the proponent in the approval of an Initial Environmental Examination or Environmental Impact Assessment is incorrect, it shall issue notice to the proponent or operator to show cause within 7 days of the receipt thereof, why the approval should not be cancelled.

(2) If no reply is received or the reply is considered unsatisfactory the Provincial Agency may after giving the proponent an opportunity of being heard:

a. Require the proponent or operator to take such measures and to comply with such conditions within such period as it may specify, failing which the approval shall stand cancelled; or

b. Cancel the approval.

(3) On cancellation of the approval the proponent or operator shall cease construction or operation of the project forthwith.

(4) Action taken under this rule shall be without prejudice to any other action that may be taken against the proponent under the Act, Rules, and Regulations or any other law for the time being in force.

18. Maintenance of Records for Initial Environmental Examination and Environmental Impact Assessment Projects:

(1) Separate registers shall be maintained by the Provincial Agency in the form given in Schedule XII for all projects that require Initial Environmental Examination or Environmental Impact Assessment. All such records shall be deemed to be public records and be open to inspection by the public.

(2) All information and documentation related to the process of preparing, reviewing, deciding and monitoring projects subject to Initial Environmental Examination or Environmental Impact Assessment and their subsequent operation shall be uploaded on the website of the Provincial Agency.

19. Environmental Assessment Advisory Committee:

(1) For the purposes of rendering advice on all aspects of Environmental Assessment including review and preparation of Guidelines assessment procedures and review of Schedules, the Provincial Agency shall constitute an Environmental Assessment Advisory Committee.

(2) The Environmental Assessment Advisory Committee shall comprise of:
   i. Director Environmental Impact Assessment of Provincial Agency (Chairperson)
   ii. One representative of the Planning and Development Department, (member);
   iii. One representative designated by a University of Engineering and Technology (member); and
   iv. One representative of a Non-Governmental Organization primarily dealing with environmental issues, (Member).

(3) Environmental Assessment Advisory Committee may co-opt one or more experts for the purposes of sub-rule 1 whenever it deems appropriate.

(4) Environmental Assessment Advisory Committee constituted under sub-rule 2, shall meet at least twice a year.

20. Environmentally Sensitive and Critical Areas:

(1) Notwithstanding anything contained in these Rules, the proponent of any proposed project whose area of influence includes one or more environmentally sensitive and critical areas shall be required to file an Environmental Impact Assessment with the Provincial Agency.

(2) Provincial Agency shall by notification in the official Gazette designate areas to be Environmentally sensitive and critical areas.

21. Review of Schedules:

(1) The Provincial Agency shall, with the approval of the Government, review Schedule I and II for the purposes of amendments, additions or deletions not later than every two years.

(2) The Provincial Agency may, with the approval of the Government, amend, add to or delete from any entry in schedules other than Schedule I and II as and when it deems necessary.

22. Other Approvals:

(1) The approval of a project for the purposes of Initial Environmental Examination and Environmental Impact Assessment under section __ of the Act and these Rules shall not absolve a proponent or the operator of the obligation to obtain any other approval, consent, NOC, license, renewal, or any other official permission that may be required under any law for the time being in force.

23. Repeal:

(1) On the commencements of these Rules, The Pakistan Environmental Agency Review of Initial Environmental Examination and Environmental Impact Assessment Regulation, 2000 framed by the Pakistan Environmental Protection Agency under Environmental Protection Act, 1997 (Act no. XXXIV of 1997) shall stand rescinded.

24. Validation of Actions etc.:

(2) Notwithstanding the repeal of Pakistan Environmental Agency Review of Initial Environmental Examination and Environmental Impact Assessment Regulation, 2000 all orders passed, notifications issued, powers delegated, contracts entered into proceeding commenced, rights acquired, liabilities incurred, penalties, rates, fees or charges levied, things done, or actions taken under the repealed Regulations shall be deemed to have been validly made, passed, issued, delegated, entered into, commenced, acquired, incurred, levied, done or taken and provisions of the repealed regulations shall have, and shall be deemed always to have had, effect accordingly.

SCHEDULE I
(See Rule 3(1))

List of projects requiring an IEE

A. Agriculture, Livestock and Fisheries

1. Poultry, livestock, stud and fish farms with total cost more than Rs.10 million
2. Projects involving repacking, formulation or warehousing of agricultural products

B. Energy

1. Hydroelectric power generation less than 50 MW
2. Thermal power generation less than 200 KW
3. Transmission lines less than 11 KV, and large distribution projects
4. Oil and gas transmission systems
5. Oil and gas extraction projects including exploration, production, gathering systems, separation and storage
6. Waste-to-energy generation projects

C. Manufacturing and processing

1. Ceramics and glass units with total cost more than Rs.50 million
2. Food processing industries including sugar mills, beverages, milk and dairy products, with total cost less than Rs.100 million
3. Man-made fibers and resin projects with total cost less than Rs.100 million
4. Manufacturing of apparel, including dyeing and printing, with total cost more than Rs.25 million
5. Wood products with total cost more than Rs.25 million

D. Mining and mineral processing

1. Commercial extraction of sand, gravel, limestone, clay, sulphur and other minerals not included in Schedule II with total cost less than Rs.100 million
2. Crushing, grinding and separation processes
3. Smelting plants with total cost less than Rs.50 million

E. Transport

1. Federal or Provincial highways (except maintenance, rebuilding or reconstruction of existing metalled roads) with total cost less than Rs.50 million
2. Ports and harbor development for ships less than 500 gross tons

F. Water management, dams, irrigation and flood protection

1. Dams and reservoirs with storage volume less than 50 million cubic meters of surface area less than 8 square kilometers
2. Irrigation and drainage projects serving less than 15,000 hectares
3. Small-scale irrigation systems with total cost less than Rs.50 million

G. Water supply and treatment

Water supply schemes and treatment plants with total cost less than Rs.25 million

H. Waste disposal

Waste disposal facility for domestic or industrial wastes, with annual capacity less than 10,000 cubic meters

I. Urban development and tourism

1. Housing schemes
2. Public facilities with significant off-site impacts (e.g. hospital wastes)
3. Urban development projects

J. Other projects

Any other project for which filing of an IEE is required by the Federal Agency under sub-regulation (2) of Regulation 5.

SCHEDULE II
(See Rule 3(2))

List of projects requiring an EIA

A. Energy

1. Hydroelectric power generation over 50 MW
2. Thermal power generation over 200 MW
3. Transmission lines (11 KV and above) and grid stations
4. Nuclear power plans
5. Petroleum refineries

B. Manufacturing and processing

1. Cement plants
2. Chemicals projects
3. Fertilizer plants
4. Food processing industries including sugar mills, beverages, milk and dairy products, with total cost of Rs.100 million and above
5. Industrial estates (including export processing zones)
6. Man-made fibers and resin projects with total cost of Rs.100 M and above
7. Pesticides (manufacture or formulation)
8. Petrochemicals complex
9. Synthetic resins, plastics and man-made fibers, paper and paperboard, paper pulping, plastic products, textiles (except apparel),printing and publishing, paints and dyes, oils and fats and vegetable ghee projects, with total cost more than Rs.10 million
10. Tanning and leather finishing projects

C. Mining and mineral processing

1. Mining and processing of coal, gold, copper, sulphur and precious stones
2. Mining and processing of major non-ferrous metals, iron and steel rolling
3. Smelting plants with total cost of Rs.50 million and above

D. Transport

1. Airports

2. Federal or Provincial highways or major roads (except maintenance, rebuilding or reconstruction of existing roads) with total cost of Rs.50 million and above
3. Ports and harbor development for ships of 500 gross tons and above
4. Railway works

E. Water management, dams, irrigation and flood protection

1. Dams and reservoirs with storage volume of 50 million cubic meters and above or surface area of 8 square kilometers and above
2. Irrigation and drainage projects serving 15,000 hectares and above

F. Water supply and treatment

Water supply schemes and treatment plants with total cost of Rs.25 million and above

G. Waste Disposal

1. Waste disposal and/or storage of hazardous or toxic wastes (including landfill sites, incineration of hospital toxic waste)
2. Waste disposal facilities for domestic or industrial wastes, with annual capacity more than 10,000 cubic meters

H. Urban development and tourism

1. Land use studies and urban plans (large cities)
2. Large-scale tourism development projects with total cost more than Rs.50 million

I. Environmentally Sensitive Areas

All projects situated in environmentally sensitive areas

J. Other projects

1. Any other project for which filing of an EIA is required by the Federal Agency under sub-regulation (2) of Regulation 5.
2. Any other project likely to cause an adverse environmental effect

SCHEDULE III
(See Rule 2(1) (e))

ELIGIBILITY CRITERIA OF THE PROJECT SPECIFIC EXPERT FOR THE PURPOSES OF RULES SUB RULE 3 OF RULE 3, SUB-RULE 5 OF RULE 4, SUB-RULE 3 OF RULE 9 AND SUB-RULE 2(iii) OF RULE 18.

Areas of Expertise:

Experts may include (i) Engineers, (ii) Architects/Urban developers, (iii) Lawyers, (iv) Chartered Accountants, (v) Environmental Scientists, (vi) Health Experts, (vii) Environmental Quality Experts, (vii) Sectoral Expert in project Management, (viii) Environmental Impact Assessment Process Experts, (ix) Risk Assessment Experts, (x) Life Science Experts in fauna and flora management, (xi) Forestry and Wildlife Experts and ((xii) Environment Economics with experience in project appraisal etc.

Educational Qualification:

The person should have at least:

(i) 5 years of formal University training in the concerned discipline leading to a MA/MSc Degree, or

(ii) in case of Engineering/Technology/Architecture discipline, 4 years formal training in a professional training course together with prescribed practical training in the field leading to a B.Tech/B.E./B.Arch. Degree, or

(iii) Other professional degree (e.g. Law) involving a total of 5 years of formal University training and prescribed practical training, or

(iv) prescribed apprenticeship/article ship and has passed examinations conducted by the concerned professional association (e.g Chartered Accountancy) or

(v) MS/M.Phil in Environmental Sciences or

(vi) MS/M.Phil in Environmental Sciences with additional Degree in Project Management or

(vii) MS/M.Phil/ in Chemical Engineering or

(viii) MS/M.Phil/ in Biological Sciences or

(ix) MS/M.Phil/ in Economics/Finance or

(x) MS/M.Phil in Health Sciences preferably having degree of MBBS.

Experience:

At least 10 years of experience in the relevant field, or with an advanced degree (e.g. Ph.D.) in a concerned field and at least 7 years of relevant experience.

Age:

below 70 years. However, in the event of the non-availability of paucity of experts in a given field, the maximum age of the expert may be allowed up to 75 years.

SCHEDULE IV
(checklist for Scoping/Environmental Impact (Rule 5 (1)))

Part 1: ALTERNATIVES CONSIDERED

List all alternatives generated and examined, in detail, to determine the best method of achieving project objectives while minimising environmental impacts.

No.	Category of Alternative	Details	Rational for rejecting it
1.	**Demand Alternatives** (e.g. using energy more efficiently rather than building more generating capacity		
2.	**Activity Alternatives** (e.g. providing public transport rather than increasing road capacity)		
3.	**Location Alternatives,** either for the entire proposal or for components (e.g. the location of a processing plant for a mine)		
4.	**Process Alternatives** (e.g. waste-minimising or energy efficient technology, different mining methods)		
5.	**Input Alternatives** (e.g. raw materials, energy sources- such as replacing high sulphur oil with low sulphur oil)		
6.	**"Zero" Alternative**		

Part 2: QUESTIONS ON PROJECT CHARACTERISTICS

No.	Questions to be considered in Scoping	Yes/No/?	Which Characteristics of the Project Environment could be affected and how?	Is the effect likely to be significant? Why?
1. Will construction, operation or decommissioning of the Project involve actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc)?				
1.1	Permanent or temporary change in land use, land cover or topography including increases in intensity of land use?			
1.2	Clearance of existing land, vegetation and buildings?			
1.3	Creation of new land uses?			
1.4	Pre-construction investigations e.g. boreholes, soil testing?			
1.5	Construction works?			
1.6	Demolition works?			
1.7	Temporary sites used for construction works or housing of construction workers?			
1.8	Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations?			
1.9	Underground works including mining or tunneling?			
1.10	Reclamation works?			
1.11	Dredging?			
1.12	Coastal structures e.g. seawalls, piers?			
1.13	Offshore structures?			
1.14	Production and manufacturing processes?			
1.15	Facilities for storage of goods or materials?			
1.16	Facilities for treatment or disposal of solid wastes or liquid effluents?			

No.	Questions to be considered in Scoping	Yes/No/?	Which Characteristics of the Project Environment could be affected and how?	Is the effect likely to be significant? Why?
1.17	Facilities for long term housing of operational workers?			
1.18	New road, rail or sea traffic during construction or operation?			
1.19	New road, rail, air, waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?			
1.20	Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?			
1.21	New or diverted transmission lines or pipelines?			
1.22	Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers?			
1.23	Stream crossings?			
1.24	Abstraction or transfers of water from ground or surface waters?			
1.25	Changes in water bodies or the land surface affecting drainage or run-off?			
1.26	Transport of personnel or materials for construction, operation or decommissioning?			
1.27	Long-term dismantling or decommissioning or restoration works?			
1.28	Ongoing activity during decommissioning which could have an impact on the environment?			
1.29	Influx of people to an area in either temporarily or permanently?			
1.30	Introduction of alien species?			
1.31	Loss of native species or genetic diversity?			
1.32	Any other actions?			

No.	Questions to be considered in Scoping	Yes/No/?	Which Characteristics of the Project Environment could be affected and how?	Is the effect likely to be significant? Why?
2. Will construction or operation of the Project use natural resources such as land, water, materials or energy, especially any resources which are non-renewable or in short supply?				
2.1	Land especially undeveloped or agricultural land?			
2.2	Water?			
2.3	Minerals?			
2.4	Aggregates?			
2.5	Forests and timber?			
2.6	Energy including electricity and fuels?			
2.7	Any other resources?			
3. Will the Project involve use, storage, transport, handling or production of substances or materials which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health?				
3.1	Will the project involve use of substances or materials which are hazardous or toxic to human health or the environment (flora, fauna, water supplies)?			
3.2	Will the project result in changes in occurrence of disease or affect disease vectors (eg insect or water borne diseases)?			
3.3	Will the project affect the welfare of people eg by changing living conditions?			
3.4	Are there especially vulnerable groups of people who could be affected by the project eg hospital patients, the elderly?			
3.5	Any other causes?			
4. Will the Project produce solid wastes during construction or operation or decommissioning?				
4.1	Spoil, overburden or mine wastes?			
4.2	Municipal waste (household and or commercial wastes)?			

No.	Questions to be considered in Scoping	Yes/No/?	Which Characteristics of the Project Environment could be affected and how?	Is the effect likely to be significant? Why?
4.3	Hazardous or toxic wastes (including radioactive wastes)?			
4.4	Other industrial process wastes?			
4.5	Surplus product?			
4.6	Sewage sludge or other sludges from effluent treatment?			
4.7	Construction or demolition wastes?			
4.8	Redundant machinery or equipment?			
4.9	Contaminated soils or other material?			
4.10	Agricultural wastes?			
4.11	Any other solid wastes?			
5. Will the Project release pollutants or any hazardous, toxic or noxious substances to air?				
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources?			
5.2	Emissions from production processes?			
5.3	Emissions from materials handling including storage or transport?			
5.4	Emissions from construction activities including plant and equipment?			
5.5	Dust or odors from handling of materials including construction materials, sewage and waste?			
5.6	Emissions from incineration of waste?			
5.7	Emissions from burning of waste in open air (eg slash material, construction debris)?			

No.	Questions to be considered in Scoping	Yes/No/?	Which Characteristics of the Project Environment could be affected and how?	Is the effect likely to be significant? Why?
5.8	Emissions from any other sources?			

6. Will the Project cause noise and vibration or release of light, heat energy or electromagnetic radiation?

6.1	From operation of equipment e.g. engines, ventilation plant, crushers?			
6.2	From industrial or similar processes?			
6.3	From construction or demolition?			
6.4	From blasting or piling?			
6.5	From construction or operational traffic?			
6.6	From lighting or cooling systems?			
6.7	From sources of electromagnetic radiation (consider effects on nearby sensitive equipment as well as people)?			
6.8	From any other sources?			

7. Will the Project lead to risks of contamination of land or water from releases of pollutants onto the ground or into sewers, surface waters, groundwater, coastal waters or the sea?

7.1	From handling, storage, use or spillage of hazardous or toxic materials?			
7.2	From discharge of sewage or other effluents (whether treated or untreated) to water or the land?			
7.3	By deposition of pollutants emitted to air, onto the land or into water?			
7.4	From any other sources?			
7.5	Is there a risk of long term build up of pollutants in the environment from these sources?			

No.	Questions to be considered in Scoping	Yes/No/?	Which Characteristics of the Project Environment could be affected and how?	Is the effect likely to be significant? Why?
8. Will there be any risk of accidents during construction or operation of the Project which could affect human health or the environment?				
8.1	From explosions, spillages, fires etc from storage, handling, use or production of hazardous or toxic substances?			
8.2	From events beyond the limits of normal environmental protection eg failure of pollution control systems?			
8.3	From any other causes?			
8.4	Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslip, etc)?			
9. Will the Project result in social changes, for example, in demography, traditional lifestyles, employment?				
9.1	Changes in population size, age, structure, social groups etc?			
9.2	By resettlement of people or demolition of homes or communities or community facilities eg schools, hospitals, social facilities?			
9.3	Through in-migration of new residents or creation of new communities?			
9.4	By placing increased demands on local facilities or services e.g. housing, education, health?			
9.5	By creating jobs during construction or operation or causing the loss of jobs with effects on unemployment and the economy?			
9.6	Any other causes?			
Question - Are there any other factors, which should be considered such as consequential development which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality?				
9.1	Will the project lead to pressure for consequential development which could have significant impact on the environment e.g. more housing, new roads, new supporting industries or utilities, etc?			

No.	Questions to be considered in Scoping	Yes/No/?	Which Characteristics of the Project Environment could be affected and how?	Is the effect likely to be significant? Why?
9.2	Will the project lead to development of supporting facilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: · Supporting infrastructure (roads, power supply, waste or waste water treatment, etc) · Housing development · Extractive industries · Supply industries · Other?			
9.3	Will the project lead to after-use of the site, which could have an impact on the environment?			
9.4	Will the project set a precedent for later developments?			
9.5	Will the project have cumulative effects due to proximity to other existing or planned projects with similar effects?			

PART 3: CHARACTERISTICS OF THE PROJECT ENVIRONMENT

For each project characteristic identified in Part consider whether any of the following environmental components could be affected.

QUESTION – ARE THERE FEATURES OF THE LOCAL ENVIRONMENTAL ON OR AROUND THE PROJECT LOCATION, WHICH COULD BE AFFECTED BY THE PROJECT?
 	
· Areas which are protected under international or national or local legislation for their ecological, landscape, cultural or other value, which could be affected by the project?
· Other areas which are important or sensitive for reasons of their ecology e.g.
  · Wetlands,
  · Watercourses or other water bodies,
  · The coastal zone,
  · Mountains,
  · Forests or woodlands
· Areas used by protected, important or sensitive species of fauna or flora e.g. for breeding, nesting, foraging, resting, overwintering, migration, which could be affected by the project?
· Inland, coastal, marine or underground waters?
· Areas or features of high landscape or scenic value?
· Routes or facilities used by the public for access to recreation or other facilities?
· Transport routes which are susceptible to congestion or which cause environmental problems?
· Areas or features of historic or cultural importance?

1.1. Question - Is the Project in a location where it is likely to be highly visible to many people?
Question - Is the Project located in a previously undeveloped area where there will be loss of greenfield land?
Question - Are there existing land uses on or around the Project location which could be affected by the Project? For example: · Homes, gardens, other private property, · Industry, · Commerce, · Recreation, · Public open space, · Community facilities, · Agriculture, · Forestry, · Tourism, · Mining or quarrying
Question - Are there any plans for future land uses on or around the location, which could be affected by the Project?
Question - Are there any areas on or around the location, which are densely populated or built-up, which could be affected by the Project?
Question - Are there any areas on or around the location, which are occupied by sensitive land uses, which could be affected by the Project? · Hospitals, · Schools, · Places of worship, · Community facilities

Question - Are there any areas on or around the location, which contain important, high quality, or scarce resources, which could be affected by the Project? For example: · Groundwater resources, · Surface waters, · Forestry, · Agriculture, · Fisheries, · Tourism, · Minerals.
Question - Are there any areas on or around the location of the Project, which are already subject to pollution or environmental damage e.g. where existing legal environmental standards are exceeded, which could be affected by the project?
Question - Is the Project location susceptible to earthquakes, subsidence, landslides, and erosion, flooding or extreme or adverse climatic conditions e.g. temperature inversions, fogs, severe winds, which could cause the project to present environmental problems?
Question - Is the Project likely to affect the physical condition of any environmental media? · The atmospheric environment including microclimate and local and larger scale climatic conditions? · Water - e.g. quantities, flows or levels of rivers, lakes, groundwater. Estuaries, coastal waters or the sea? · Soils - e.g. quantities, depths, humidity, stability or erdodibility of soils? · Geological and ground conditions?
Question - Are releases from the Project likely to have effects on the quality of any environmental media? · Local air quality? · Global air quality including climate change and ozone depletion · Water quality – rivers, lakes, groundwater. Estuaries, coastal waters or the sea? · Nutrient status and eutrophication of waters? · Acidification of soils or waters? · Soils · Noise? · Temperature, light or electromagnetic radiation including electrical interference? · Productivity of natural or agricultural systems?
Question - Is the Project likely to affect the availability or scarcity of any resources either locally or globally? · Fossil fuels? · Water? · Minerals and aggregates? · Timber? · Other non-renewable resources? · Infrastructure capacity in the locality - water, sewerage, power generation and transmission, telecommunications, waste disposal roads, rail?

Question - Is the Project likely to affect human or community health or welfare?

- The quality or toxicity of air, water, foodstuffs and other products consumed by humans?
- Morbidity or mortality of individuals, communities or populations by exposure to pollution?
- Occurrence or distribution of disease vectors including insects?
- Vulnerability of individuals, communities or populations to disease?
- Individuals' sense of personal security?
- Community cohesion and identity?
- Cultural identity and associations?
- Minority rights?
- Housing conditions?
- Employment and quality of employment?
- Economic conditions?
- Social institutions?

SCHEDULE V
(See Rule 5 and .....)
Initial Environmental Examination and Environmental Impact Assessment Fees

Total Project Cost	Initial Environmental Examination	Environmental Impact Assessment
Upto Rs.5,000,000/-	Rs. 25,000/-	——
Rs.5,100,000/- to 10,000,000/-	Rs.40, 000/-	Rs.60, 000/-
Rs.10, 100,000- to 50,000,000/-	Rs.60,000/-	Rs.100,000/-
Rs. 50,100,000/- to Rs. 200,000,000/-	Rs. 80,000/-	Rs. 150,000/-
Rs. 200,100,000/- to Rs. 500,000,000/-	Rs. 100,000/-	Rs. 300,000/-
Above Rs. 500,100,000/-	Rs.150,000/-	Rs. 500,000/-

SCHEDULE VI
(Check list for initial Environmental Examination)
(Rule 7 (1))

Matters to be Addressed

1. Physical changes in the locality (topography, land use, changes in water bodies, etc.) due to construction, operation or decommissioning of the Project

2. If natural resources such as land, water, materials or energy, especially any resources which are non-renewable or in short supply are going to be used during construction or operation of the Project ?

3. Will the Project involve use, storage, transport, handling or production of substances or materials, which could be harmful to human health or the environment or raise concerns about actual or perceived risks to human health?

4. Will the Project produce solid wastes during construction or operation or decommissioning?

5. Will the Project release pollutants or any hazardous, toxic or noxious substances to air?

6. Will the Project cause noise and vibration or release of light, heat energy or electromagnetic radiation?

7. Will the Project lead to risks of contamination of land or water from releases of pollutants onto the ground or into surface waters, groundwater, coastal wasters or the sea?

8. Will there be any risk of accidents during construction or operation of the Project, which could affect human health or the environment?

9. Are there any other factors, which should be considered such as consequential development, which could lead to environmental effects or the potential for cumulative impacts with other existing or planned activities in the locality?

10. Are there any areas on or around the location, which are protected under international or national or local legislation for their ecological, landscape, cultural or other value, which could be affected by the project?

11. Are there any other areas on or around the location, which are important or sensitive for reasons of their ecology, e.g. wetlands, watercourses or other water bodies, the coastal zone, mountains, forests or woodlands, which could be affected by the project?

12. Are there any areas on or around the location which are used by protected, important or sensitive species of fauna or flora e.g. for breeding, nesting, foraging, resting, overwintering, migration, which could be affected by the project?

13. Are there any inland, coastal, marine or underground waters on or around the location, which could be affected by the project?

14. Are there any transport routes on or around the location which are susceptible to congestion or which cause environmental problems, which could be affected by the project?

15. Are there any areas or features of historic or cultural importance on or around the location, which could be affected by the project?

16. Is the project located in a previously undeveloped area where there will be loss of greenfield land?

17. Are there existing land uses on or around the location e.g. homes, gardens, other private property, industry, commerce, recreation, public open space, community facilities, agriculture, forestry, tourism, mining or quarrying which could be affected by the project?

18. Are there any areas on or around the location, which are densely populated or built-up, which could be affected by the project?

19. Are there any areas on or around the location which are occupied by sensitive land uses e.g. hospitals, schools, places of worship, community facilities, which could be affected by the project?

20. Are there any areas on or around the location which contain important, high quality or scarce resources e.g. groundwater, surface waters, forestry, agriculture, fisheries, tourism, minerals, which could be affected by the project?

21. Are there any areas on or around the location, which are already subject to pollution or environmental damage e.g. where existing legal environmental standards are exceeded, which could be affected by the project?

22. Is the project location susceptible to earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions e.g. temperature inversions, fogs, severe winds, which could cause the project to present environmental problems?

SCHEDULE VII
(Contents of Environmental Impact Assessment)
(Rule 7 (2))

General Structure of Environmental Impact Assessment document

S.No.	EIA Structure	Contents
1.	Executive Summary	•
2.	Introduction	• Purpose of the report • Identification of proposed project & project proponent • Brief description of nature, size, location of the proposed project and its significance for the country, region • Scope of the assessment as per Terms of Reference
3.	Project Description	• Condensed description of those aspects of the proposed project likely to cause environmental effects. Details should be provided to give clear picture of the following: • Type of project • Need for the project • Location (maps showing general location, specific location, proposed project boundary & proposed project site layout) • Size or magnitude of operation (incl. associated activities required by or for the proposed project • Proposed schedule for approval and implementation • Proposed technology and process description • Schematic representations or drawings showing proposed project layout and physical components of proposed project • Description of mitigation measures incorporated into the proposed project to meet environmental

S.No.	EIA Structure	Contents
		standards, environmental operating conditions, or other EIA requirements (as required by the scope) • Assessment of new & untested technology for the risk of technological failure
4.	Description of the Physical & Socio-Economic Environment	• Assessment area, period, components & methodology • Establishment of baseline for environmental components, as identified in the scope. • Base maps of all environmental components • Identification of disadvantaged and vulnerable groups that would be affected by the proposed project
5.	Anticipated Environmental Impacts & Mitigation Measures	• Details of investigated environmental impacts due to proposed project location, possible accidents, proposed project design, proposed project construction, regular operations, final decommissioning or rehabilitation of a completed project • Assessment of the following potential impacts: indirect as well as direct impacts; cumulative impacts; physical impacts; biological impacts; socioeconomic impacts, including on livelihood, environmental health and safety, and disadvantaged and vulnerable groups, and gender issues; impacts on physical cultural resources; impacts in the context of the proposed project's area of influence; potential climate change impacts; and consideration of natural and social aspects in an integrated way • Measures for minimizing and/or offsetting adverse impacts identified • Irreversible and irretrievable impacts on environmental components • Assessment of significance of impacts (criteria for determining significance, assigning significance) • Mitigation measures
6.	Analysis of Alternatives (Technology & Site)	• Description and examination of each alternative • Summary of adverse impacts of each alternative • Mitigation measures proposed for each alternative and • Selection of alternative and rationale for selecting the alternative

S.No.	EIA Structure	Contents
7.	Environmental Management Plan	A comprehensive plan for managing and monitoring impacts and the effectiveness of mitigation measures, including but not limited to: requirements in sector-specific Guidelines; plan for avoiding pollution and other adverse impacts where possible; plan for minimizing or mitigating pollution and adverse impacts where it is not possible to avoid them; plan for offsetting adverse impacts; plan for enhancing positive impacts; proposed mitigation measures; proposed monitoring schedules, locations, methodologies, frequencies, and data analysis requirements; reporting schedules; institutional or organizational arrangements; capacity development and training measures; implementation schedule; detailed budget; procurement schedules; performance indicators; emergency preparedness and response measures.
8.	Additional Studies	• Public consultation(s) • Risk assessment • Social Impact Assessment, Resettlement & Rehabilitation Action Plans
9.	Difficulties encountered during preparation of this report	For example • Data collection • Public consultation • Consultation with Government agencies etc.
9.	Project Benefits	• Improvements in the physical infrastructure • Improvements in the social infrastructure • Employment potential – skilled; semi-skilled and unskilled • Other tangible benefits

SCHEDULE VIII
(See Rule 11 (3))

The Review Checklist

Section.1 Description of the Project				
No.	**Review Question**	**Relevant**	**Adequately Addressed**	**What further information is needed**
The Alternative considered				
	Were demand alternative considered? ((e.g. using energy more efficiently rather than building more generating capacity)			
	Were Activity Alternatives considered? (e.g. providing public transport rather than increasing road capacity)			
	Location Alternatives, either for the entire proposal or for components (e.g. the location of a processing plant for a mine)			
	Process Alternatives (e.g. waste-minimising or energy efficient technology, different mining methods)			
	Input Alternatives (e.g. raw materials, energy sources- such as replacing high sulphur oil with low sulphur oil)			
	Zero" Alternative			
The objectives and Physical Characteristics of the project				
1.1	Are the need for and objectives of the project explained?			
1.2	Is the programme for implementation of the Project described, detailing the estimated length of time and start and			

	Finish dates for construction, operation and decommissioning? (this should include any phases of different activity within the main phases of the Project, for example extraction phases for mining operations)			
1.3	Are all the main components of the project described as required.			
1.4	Is the location of each Project component identified, using maps, plans and diagrams as necessary?			
1.5	Is the layout of the site (or sites) occupied by the project described? (including ground levels, buildings, other physical structures, underground works, coastal works, storage facilities, water features, planting, access corridors, boundaries)			
1.6	For linear projects, are the route corridor, the vertical and horizontal alignment and any tunnelling and earthworks described?			
1.7	Are the activities involved in construction of the project all described?			
1.8	Are the activities involved in operation of the project all described?			
1.9	Are the activities involved in decommissioning the project all described? (e.g. closure, dismantling, demolition, clearance, site restoration, site re-use etc)			
1.10	Are any additional services required for the project all described? (e.g. transport access, water, sewerage, waste disposal, electricity, telecoms) or developments (e.g. roads, harbours, power lines, pipelines)			
1.11	Are any developments likely to occur as a consequence of the Project identified? (e.g. new housing, roads, water or sewerage infrastructure, aggregate extraction)			
1.12	Are any existing activities which will alter or cease as a consequence of the Project identified?			
1.13	Are any other existing or planned developments with which the Project could have cumulative effects identified?			

The size of the Project				
1.14	Is the area of land occupied by each of the permanent project components quantified and shown on a scaled map? (including any associated access arrangements, landscaping and ancillary facilities)			
1.15	Is the area of land required temporarily for construction quantified and mapped?			
1.16	Is the reinstatement and after use of land occupied temporarily for operation of the Project described? (e.g. land used for mining or quarrying)			
1.17	Is the size of any structures or other works developed as part of the Project identified? (e.g. the floor area and height of buildings, the size of excavations, the area or height of planting, the height of structures such as embankments, bridges of chimneys, the flow or depth of water)			
1.18	Is the form and appearance of any structures or other works developed as part of the Project described? (e.g. the type, finish and colour of materials, the architectural design of buildings and structures, plant species, ground surfaces, etc)			
1.19	For urban or similar development projects, are the numbers and other characteristics of new populations or business communities described?			
1.20	For projects involving the displacement of people or businesses, are the numbers and other characteristics of those displaced described?			
1.21	For new transport infrastructure or projects generating substantial traffic flows, is the type, volume, temporal pattern and geographical distribution of new traffic generated or diverted as a consequence of the Project described?			
Production processes and resources used				
1.22	Are all the processes involved in operating the Project described? (e.g. manufacturing or engineering processes, primary raw material production, agricultural or forestry			

	production methods, extraction processes)			
1.23	Are the types and quantities of outputs produced by the Project described? (these could be primary or manufactured products, goods such as power or water or services such as homes, transport, retailing, recreation, education, municipal services (water, waste, etc)			
1.24	Are the types and quantities of raw materials and energy needed for construction and operation discussed?			
1.25	Is efficiency in use of energy and raw materials discussed?			
1.26	Are any hazardous materials used, stored, handled or produced by the Project identified and quantified? · during construction · during operation · during decommissioning			
1.27	Are the transport of raw materials to the Project and the number of traffic movements involved discussed? (including road, rail and sea transport) · during construction · during operation · during decommissioning			
1.28	Are the access arrangements and the number of traffic movements involved in bringing workers and visitors to the Project estimated? · during construction · during operation · during decommissioning			
1.29	Is the housing and provision of services for any temporary or permanent employees for the Project discussed? (relevant for Projects requiring migration of a substantial new workforce into the area for either construction or the long term)			
Residues and Emissions				
1.30	Are the types and quantities of solid waste generated by the Project identified? (including construction or demolition wastes, surplus spoil, process wastes, by-products, surplus or reject products, hazardous wastes, household or commercial wastes, agricultural or			

	forestry wastes, site clean-up wastes, mining wastes, decommissioning wastes) · during construction · during operation · during decommissioning			
1.31	Are the compositions and toxicity or other hazards of all solid wastes produced by the Project discussed?			
1.32	Are the methods for collecting, storing, treating, transporting and finally disposing of these solid wastes described?			
1.33	Are the locations for final disposal of all solid wastes discussed?			
1.34	Are the types and quantities of liquid effluents generated by the Project identified? (including site drainage and run-off, process wastes, cooling water, treated effluents, sewage) · during construction · during operation · during decommissioning			
1.35	Are the compositions and toxicity or other hazards of all liquid effluents produced by the Project discussed?			
1.36	Are the methods for collecting, storing, treating, transporting and finally disposing of these liquid effluents described?			
1.37	Are the locations for final disposal of all liquid effluents discussed?			
1.38	Are the types and quantities of gaseous and particulate emissions generated by the Project identified? (including process emissions, fugitive emissions, emissions from combustion of fossil fuels in stationary and mobile plant, emissions from traffic, dust from materials handling, odours) · during construction · during operation · during decommissioning			
1.41	Are the compositions and toxicity or other hazards of all emissions to air produce by the Project discussed?			
1.42	Are the methods for collecting, treating and finally discharging these emissions to air described?			
1.43	Are the locations for discharge of all emissions to air identified and the characteristics of the discharges			

	identified? (e.g. height of stack, velocity and temperature of release)			
1.44	Is the potential for resource recovery from wastes and residues discussed? (including re-use, recycling or energy recovery from solid waste and liquid effluents)			
1.45	Are any sources of noise, heat, light or electromagnetic radiation from the Project identified and quantified? (including equipment, processes, construction works, traffic, lighting, etc)			
1.46	Are the methods for estimating the quantities and composition of all residues and emissions identified and any difficulties discussed?			
1.47	Is the uncertainty attached to estimates of residues and emissions discussed?			
Risks of Accidents and Hazards				
1.48	Are any risks associated with the Project discussed? · risks from handling of hazardous materials · risks from spills fire, explosion · risks of traffic accidents · risks from breakdown or failure of processes or facilities · risks from exposure of the Project to natural disasters (earthquake, flood, landslip, etc)			
1.49	Are measures to prevent and respond to accidents and abnormal events described? (preventive measures, training, contingency plans, emergency plans, etc)			
Other Questions on Description of the Project				

SCHEDULE IX
(See Rule 12 (1))

Decision on IEE

1. Name and address of proponent _____

   _____

2. Description of project _____

3. Location of project _____

4. Date of filing of IEE _____

5. After careful review of the IEE, the Provincial Agency has decided –

   (a) To accord its approval, subject to the following conditions:

   _____

   _____

   (b) Reasons for the approval:

   _____

   _____

OR

   (c) That the proponent should submit an EIA of the project, for the following reasons–

   _____

   _____

[Delete (a) or (c), whichever is inapplicable]

Dated _____

Tracking no.___

Director-General
Provincial Agency
(with official stamp/seal)

SCHEDULE X
(See Rule 12 (1))

Decision on Environmental Impact Assessment

1. Name and address of proponent _____

2. Description of project _____

3. Location of project _____

4. Date of filing of EIA _____

5. After careful review of the EIA, and all comments thereon, the Federation Agency has decided –

(a) To accord its approval, subject to the following conditions:

_____

_____

Detailed reasons for the decision:

_____

_____

OR

(b) That the proponent should submit an EIA with the following modifications-

_____

_____

Detailed reasons for the decision:

_____

_____

OR

(c) To reject the project, being contrary to environmental objectives, for the following reasons:

_____

_____

[Delete (a)/(b)/(c), whichever is inapplicable]

Dated _____
Tracking no.___

Director-General
Provical Agency
(With official stamp/seal)

SCHEDULE XI
(See Rule 13 (3))

Undertaking

For Initial Environmental Examination

I, (full name and address) as proponent for (name, description and location of project) do hereby solemnly affirm and declare that I fully understand and accept the conditions contained in the approval accorded by the Provincial Agency bearing tracking no._____ dated _____, and undertake to design, construct and operate the project strictly in accordance with the said conditions and Initial Environmental Examination.

Or

For Environmental Impact Assessment

I, (full name and address) as proponent for (name, description and location of project) do hereby solemnly affirm and declare that I fully understand and accept the conditions contained in the approval accorded by the Provincial Agency bearing tracking no._____ dated _____, and undertake to design, construct and operate the project strictly in accordance with the said conditions, Environmental Impact Assessment and revised Environmental Management Plan.

Date _____

Signature, name and _____
designation of proponent
(with official stamp/seal)

Witnesses
(full names and addresses)

(1) _____

(2)_____

SCHEDULE XII
(See Rule 18 (1))

Form of Registers for Initial Environmental Examination and Environmental Impact Assessment projects

S. No.	Description	Relevant Provisions
1	2	3
1.	Tracking number	
2.	Category type (as per Schedules I and II)	
3.	Name of proponent	
4.	Name and designation of contact person	
5.	Name of consultant	
6.	Description of project	
7.	Location of project	
8.	Project capital cost	
9.	Date of receipt of IEE/EIA	
10.	Date of confirmation of completeness	

11. Approval granted (Yes/No)

12. Date of approval granted or refused

13. Conditions of approval/ reasons for refusal

14. Date of Undertaking

15. Date of extension of approval validity

16. Period of extension

17. Date of commencement of construction

18. Date of issue of confirmation of compliance

19. Date of commencement of operations

20. Dates of filing of monitoring reports

21. Date of cancellation, if applicable

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