ജിയാളജി വിലീർണ് വായാക്കുവാനുള്ള സാധ്യതയുള്ള ഒരു വിവരണം (Environmental Clearance-EC) ലഭ്യമായി എണ്ണാണ്.

1. ആദ്യ ദൃഢകാലാവസാനം പിരിക്കുന്ന കേന്ദ്രഭരണം‌ (എൻ.എൻ.ബി.) പാരിഗതികായത്തിൽ അവസാനമായെങ്കിൽ?

2. ആദ്യ ദൃഢകാലാവസാനം പിരിക്കുന്ന കേന്ദ്രഭരണം‌ പാരിഗതികായത്തിൽ അവസാനമായെങ്കിൽ?

3. ദൃഢകാലാവസാനം പിരിക്കുന്ന കേന്ദ്രഭരണം‌ പാരിഗതികായത്തിൽ അവസാനമായെങ്കിൽ?

4. പാരിഗതികായത്തിൽ അവസാനം പിരിക്കുന്ന കേന്ദ്രഭരണം‌ അവസാനമായെങ്കിൽ?
5. മേഖലാപരയായി വായ്ന്യമനം കൊള്ളുന്നതിന് എത്ര വരുമാനം അവധിയുണ്ടെങ്കിൽ?

ഒരു പ്രക്രിയയിലെ നിർദ്ദേശങ്ങളുടെ വിവരങ്ങൾ സന്ദർഭമായി പ്രയോജനം കൊള്ളുന്നത് നിരോധിച്ചിരിക്കുന്നു. കമിറ്റിയുടെ വിവരങ്ങൾ അനുസരിച്ച് ഏതെങ്കിലും വ്യാപ്തികൾ നിരോധിക്കപ്പെട്ടിരിക്കുന്നു. 

1. ഇതുവഴി മുപ്പതിനായി വരുന്നത് കൂട്ടായി മുപ്പതിനായി വരുന്നത് (Pre-feasibility Report)
2. വളുരുള്ള വിവരങ്ങൾ വായ്ന്യമം മുള്ളായ വിവരങ്ങൾ (Mine/Mining Plan)
3. വളുരുള്ള വിവരങ്ങൾ മുള്ളായ വിവരങ്ങൾ (District Survey Report)
4. വളുരുള്ള വിവരങ്ങൾ മുള്ളായ വിവരങ്ങൾ

6. അന്തോനിയുടെ വിവരങ്ങൾ എന്തെങ്കിലും വിവരങ്ങളെക്കുറിച്ച് മാനേജ്മെന്റ് അപാരിമതി എളുകുക?

മാനേജ്മെന്റ് അപാരിമതി ഉപയോഗിച്ച് സമ്മർദങ്ങളും കാരണങ്ങളും ഉള്ള വിവരങ്ങൾ ലഭ്യമാണ്.

7. അന്തോണിയുടെ വിവരങ്ങളെക്കുറിച്ച് DEIAA ആയി ലഭ്യമാകുന്നു വിവരം (user manual) എളുകുകയോ?

എളുക്കുന്നു. യൂസർ മാനുല്‍ ലഭ്യമാക്കിയതു പ്രായത്തിലെ വിവരങ്ങള്‍ നേടുന്നതിന് പ്രായത്തിലെ പിരിഞ്ഞവും പ്രായത്തിലെ പിരിഞ്ഞവും.
8. മെയൻ/മൈണിംഗ് പണ്ട് വിഭാഗം (Mine/Mining Plan) അവകാശമുള്ളവരെ കാരണം?

ക്ഷേത്രമുപയോഗിച്ച്/നിലകൊള്ളുന്നവരാണ് മെയൻ/മൈണിംഗ് പണ്ട് (RQP), എന്നാണ് ക്ഷേത്രതംശം എന്ന് പറയപ്പെടുന്നു. ക്ഷേത്രതംശം അനുസരിച്ച് സമസ്യാനന്തരം ലഭിച്ചിരിക്കുന്ന ക്ഷേത്രതംശം (NABET) അനുവദിക്കുന്ന ക്ഷേത്രതംശം (Accredited Consultants of Quality Council of India-NABET) അനുവദിക്കുന്നു. ക്ഷേത്രതംശം അനുസരിച്ച് അവരെ (RQP) കൂടാതെ പാരമ്പര്യത്തിന്റെ കുറിപ്പിൽ മെയൻ/മൈണിംഗ് (mining of mineral – open cast) കൌൺസിൽ ഓഫ് ഇൻഡിയ നാഷണൽ അഡീഷനബ്ബെർ (NABET) അനുവദിക്കുന്ന പ്രസ്ഥാനത്തിൽ ഉൾപ്പെടുന്നവർ മെയൻ/മൈണിംഗ് ഓഫ് മിനറൽ- ഓറാൻ കാന് (mining of mineral – open cast)

9. മെയൻ/മൈണിംഗ് പണ്ട് അനുവദിക്കുന്ന പ്രസ്ഥാനത്തിലെ സ്ഥലം സ്ഥാനാനന്തരം അവകാശമുള്ളവരെ കാരണം?

അനുവദിക്കുന്ന പ്രസ്ഥാനത്തിലെ സ്ഥലം സ്ഥാനാനന്തരം അവകാശമുള്ളവരെ മെയൻ/മൈണിംഗ് ഓഫ് മിനറൽ- ഓറാൻ കാന് (mining of mineral – open cast)

10. ഇൻഡിയൻ ബാംഡ് ഓഫ് മെയൻ/മൈണിംഗ് അനുവദിക്കയുള്ളവരെ കാരണം?

ക്ഷേത്രതംശം (RQP) പ്രകാരം തന്നെ ആയ പ്രസ്ഥാനത്തിലെ സ്ഥാനാനന്തരം അവകാശമുള്ളവരെ മെയൻ/മൈണിംഗ് ഓഫ് മിനറൽ- ഓറാൻ കാന് (mining of mineral – open cast)
11. മൈൻ/മൈൻിംഗ് പ്ലാൻ (Mine/Mining Plan) എങ്ങനെയാണ്?

മൈൻ-മൈൻിംഗ് പ്ലാന്റിന് കർത്തുകൾ മൈൻ-മൈൻിംഗ് പ്ലാൻ എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ സിബിയോഗ്രാഫി (Physiography), ജീഓളജി (Geology), ജീഓളജിയോഗ്രാഫി പ്ലാൻ എന്നിവയിൽ മൈൻ-മൈൻിംഗ് പ്ലാൻ എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ സംരക്ഷണ പ്ലാൻ എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ പ്ലാന്റിന് മൈൻ പ്ലാന്റിന് മൈൻ-മൈൻിംഗ് പ്ലാൻ എന്ന് പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ പ്ലാന്റിന് മൈൻ പ്ലാന്റിന് മൈൻ-മൈൻിംഗ് പ്ലാൻ എന്ന് പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ പ്ലാന്റിന് മൈൻ പ്ലാന്റിന് മൈൻ-മൈൻിംഗ് പ്ലാൻ എന്ന് പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. 

12. മൈൻ/മൈൻിംഗ് പ്ലാൻ എങ്ങനെയാണ്?

മൈൻ/മൈൻിംഗ് പ്ലാന്റിന് മൈൻ-മൈൻിംഗ് പ്ലാൻ എന്ന് പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ ദേശീയ പ്ലാൻ എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ പ്ലാന്റിന് മൈൻ പ്ലാന്റിന് മൈൻ-മൈൻിംഗ് പ്ലാൻ എന്ന് പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ പ്ലാന്റിന് മൈൻ പ്ലാന്റിന് മൈൻ-മൈൻിംഗ് പ്ലാൻ എന്ന് പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. 

13. മൈൻ-മൈൻിംഗ് പ്ലാന്റിന് എങ്ങനെ മൈൻ-മൈൻിംഗ് പ്ലാൻ എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു?

മൈൻ മൈൻ പ്ലാൻ എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ മൈൻ പ്ലാൻ എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ മൈൻ പ്ലാൻ എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ മൈൻ പ്ലാൻ എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു.

14. മൈൻ-മൈൻിംഗ് പ്ലാൻ (Environmental Clearance-EC) എങ്ങനെയാണ്?

മൈൻ മൈൻ പ്ലാൻ (Environmental Clearance-EC) എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ മൈൻ പ്ലാൻ (Environmental Clearance-EC) എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു. മൈൻ മൈൻ പ്ലാൻ (Environmental Clearance-EC) എന്ന പേരിലുള്ള പ്ലാൻ പ്രഖ്യാപിക്കുന്നു.
15. മെയൽ വിഭപ്പം (Environmental Clearance-EC) ഭരണാധികാരിക സാധാരണ പ്രവാചനത്തിൽ പരിഹാരം അംഗീകരാവുന്നത് എങ്ങിനെ? 

മെയൽ വിഭപ്പം (Environmental Clearance-EC) ഭരണാധികാരിക സാധാരണ (Acts) പ്രവാചനം (Rules) ഓർമ്മയ്ക്കുന്നതിനായ് (Notifications) ശുദ്ധീകരണം പുനരുദ്ധരണം മൈതാനസംവിധാനം പ്രവാചനം ആയി പ്രവൃത്തിയാവാനുള്ള സംവിധാനത്തിൽ പ്രവാചനം ചെയ്യുന്നു. അതെ മെയിൽ വിഭപ്പം കംപ്യൂട്ടർ വഴി പ്രവാചനം ക്രമാന്തരുപരി നടത്തുന്നു - [http://www.moef.nic.in/]

ഭരണാധികാരിക വിഭപ്പം (State Environmental Impact Assessment Authority) സമരണക്ക് (SEIAA) - [http://www.seiaakerala.org/]

16. 2006-ലെ എൽ EA ഭരണാധികാരിക, മെയൽ വിഭപ്പം പരിഹാരം അസൈന്റ് എയ്കറോ? 

2006-ലെ എൽ EA ഭരണാധികാരിക, മെയൽ വിഭപ്പം സാധാരണ 15-01-2016-ലെ മെയൽ വിഭപ്പം സാധാരണ.

2006-ലെ EA ഭരണാധികാരിക, അല്ലെങ്കിൽ പ്രവൃത്തിയാക്കം സാധാരണ എ 2007 മെയൽ വിഭപ്പം സാധാരണ.

17. മാനേജ്മെന്റ് പ്ലാനിംഗ് എൻഡ് രണ്ടിലെ പ്രവൃത്തികലിനായാലോ? 

മാനേജ്മെന്റ് പ്ലാനിംഗ് എൻഡ് രണ്ടിലെ പ്രവൃത്തികലിനായാലോ? 

മെയൽ വിഭപ്പം കംപ്യൂട്ടർ വഴി പ്രവൃത്തികലിനായാലോ? 

മെയൽ വിഭപ്പം എൻഡ് രണ്ടിലെ പ്രവൃത്തികലിനായാലോ? 

മെയൽ വിഭപ്പം കംപ്യൂട്ടർ വഴി പ്രവൃത്തികലിനായാലോ? 

മെയൽ വിഭപ്പം എൻഡ് രണ്ടിലെ പ്രവൃത്തികലിനായാലോ?

ലെ EA ഭരണാധികാരിക, മെയൽ വിഭപ്പം എൻഡ് രണ്ടിലെ പ്രവൃത്തികലിനായാലോ? 

ൽ EA ഭരണാധികാരിക, മെയൽ വിഭപ്പം എൻഡ് രണ്ടിലെ പ്രവൃത്തികലിനായാലോ? 

ൽ EA ഭരണാധികാരിക, മെയൽ വിഭപ്പം എൻഡ് രണ്ടിലെ പ്രവൃത്തികലിനായാലോ?
Details required for submitting Fresh EC Application

(Category B2 Projects: Mining of Minor Minerals)

1. **Project Sector** (*Non-Coal Mining*)
2. **Project Type** (New, Expansion, Modernization)

If **Project Type** is Expansion or Modernization,

**Details of Existing EC:**

1. MoEFCC File No.
2. Proposal No.

3. **Sub category** (B2)
4. **Type of Lease** (Individual Area, Cluster Area)
   a. **If Individual Area,**
      i. Select Area Range : 0-5 ha
      ii. Area (in ha.)
   b. **If Cluster Area,**
      i. Select Area Range : Cluster area of Mine lease upto 5 ha or Cluster of Mine leases > 5 ha and < 25 ha with no individual lease > 5 ha
      ii. Area (in ha.)
      iii. Name /Details of Cluster

5. **Name of Mining Lease Site**
6. **Expected Cost of the Project**
7. **Select State, District and Tehsil** (Multiple entries of Tehsil are allowed)

If the **Type of Lease** is Individual Area or Cluster Area under 5 ha,

**Form 1M:**

8. **Location of the Mining Lease site (GPS Co-ordinates)**
9. **Upload Site Map** (*Upload KML Only*)
10. **Capacity of the Mining Lease (TPA)**
11. **Period of Mining Lease**
Upload Documents of Pre-feasibility Report, Approved Mine Plan, District Survey Report

1. **Pre Feasibility Report** *(Upload pdf only and attach it as Annexure-Pre Feasibility Report)*
2. **Approved Mine Plan** *(Upload pdf only and attach it as Annexure-document of Mine Plan)*
3. **District Survey Report** *(Upload pdf only and attach it as Annexure-document of District Survey Report)*
4. **Upload Cover Letter** *(Upload pdf only and attach it as Annexure-document of Cover letter)*

Accredited Consultant Details

1. **Have you hired Consultant/ Registered Qualified Person (RQP) for preparing document?** (Yes/No)
   - If No,
     1.1 Reason for not hiring the Consultant
   - If Yes,
     1.2 Accreditation No.
     1.3 Name of Consultant/ RQP
     1.4 Address
     1.5 Mobile No.
     1.6 Landline No.
     1.7 Email Id

Details of Environmental Sensitivity

1. **Nearest rail or Road Bridge over the concerned river, rivulet, nallah etc.**
2. **Distance from the project site** *(in km)* *(Nearest rail or Road Bridge over the concerned river, rivulet, nallah etc.)*
3. **Nearest Infrastructural facilities**
4. **Distance from the project site** *(in km)* *(Nearest Infrastructural facilities)*
5. **Nearest Railway Line**
6. **Distance from the project site** *(in km)* *(Nearest Railway Line)*
7. **Nearest National Highway**
8. **Distance from the project site** *(in km)* *(Nearest National Highway)*
9. **Nearest State Highway**
10. **Distance from the project site** *(in km)* *(Nearest State Highway)*
11. Nearest Major District Road

12. Distance from the project site (in km) (Nearest Major District Road)

13. Nearest Any Other Road

14. Distance from the project site (in km) (Nearest Any Other Road)

15. Nearest Electric transmission line pole or tower

16. Distance from the project site (in km) (Electric transmission line pole or tower)

17. Nearest Canal or check dam or reservoirs or lake or ponds

18. Distance from the project site (in km) (Nearest Canal or check dam or reservoirs or lake or ponds)

19. Nearest In-take for drinking water pump house

20. Distance from the project site (in km) (Nearest In-take for drinking water pump house)

21. Nearest In-take for Irrigation canal pumps

22. Distance from the project site (in km) (Nearest In-take for Irrigation canal pumps)

23. Is proposed mining site located over or near fissure/fracture for ground water recharge?
   (Yes/No)
   If “Yes” is selected,
   23.1 Details

24. Whether the proposal involves approval/clearance under the Forest (Conservation) Act, 1980? (Yes/No)
   If “Yes” is selected,
   24.1 Status (In-Principle(Stage-I) Approval Obtained, Final(Stage-II) Approval Obtained, Forest Clearance Under Process, Application for Forest Clearance yet to be submitted)

25. Whether the proposal involves approval/clearance under the wildlife (Protection) Act, 1972? (Yes/No)
   If “Yes” is selected,
   25.1 Status (Wildlife clearance obtained, Wildlife clearance under process, Application for Wildlife clearance yet to be submitted)

26. Whether the proposal involves approval/clearance under the C.R.Z notification, 2011? (Yes/No)

27. Whether there is any Government Order/Policy relevant/relating to the site? (Yes/No)
   If “Yes” is selected,
   27.1 Upload Order/Policy (only pdf. Attach as Annexure-order/policy)

28. Whether there is any litigation pending against the project and/or land in which the project is proposed to be set up? (Yes/No)
   If “Yes” is selected,
   28.1 Name of the court
   28.2 Sub court
(II) Environmental Sensitivity

1. Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value (Distance in Km./Details)
2. Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests (Distance in Km./Details)
3. Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration (Distance in Km./Details)
4. Inland, coastal, marine or underground waters (Distance in Km./Details)
5. State, National boundaries (Distance in Km./Details)
6. Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas (Distance in Km./Details)
7. Defence installations (Distance in Km./Details)
8. Densely populated or built-up area, distance from nearest human habitation (Distance in Km./Details)
9. Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities) (Distance in Km./Details)
10. Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals) (Distance in Km./Details)
11. Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded) (Distance in Km./Details)
12. Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions) (Distance in Km./Details)

Additional Attachments, If nay (Five multiple entries are allowed)

1. Name of File
2. Upload File (Upload pdf file only, not more than 1 MB)
If the Type of Lease is Cluster Area above 5 ha.

Form 1:

1. Name of the Mining Lease Site
2. Project Sector (Non-Coal Mining)
3. Shape of the Project Land (Block (polygon), Point, Strip)
   When an option is selected
   3.1 Upload GPS file (KML only)
   3.2 Upload copy of Survey of India Toposheet (pdf only- As Annexure Survey of India Toposheet)
4. Site alternative under consideration (If any) (Upload site alternatives)
5. Brief summary of project (Upload at least one page document, Upload pdf only and attach it as Annexure-Brief summary of project)
6. Upload Approved Mine Plan (Upload pdf only and attach it as Annexure-Approved Mine Plan)
7. Does your project location falls under out of any following areas (Ghaziabad (UP), Indore (M.P), Jharsuguda (Orissa), Ludhiana (Punjab), Panipat (Haryana), Panipat (Haryana), Panipat (Haryana), Patancheru-ollaram (A.P.), Singrauli (UP and MP), Vapi (Gujarat), None of above Areas)
8. Town/Village (Name of more than one town may be entered by separating with ‘,’)
9. Plot/Survey/Khasra No. (Name of more than one Plot/Survey/Khasra may be entered by separating with ‘,’)
10. Project/activity in the schedule (in accordance of Project Sector)
11. Project Type
12. Proposed capacity/area/length/tonnage to be handled/command area/lease area/number or wells to be drilled.
13. Category of project i.e. 'B'
14. Sub Category (B2)
15. Does it attract the general condition? (No)
16. Does it attract the specific condition? (Yes/No)
   If “Yes” is selected, following option can be selected
   16.1 If any Industrial Estate/Complex / Export processing Zones /Special Economic Zones/Biotech Parks / Leather Complex with homogeneous type of industries such as Items 4(d), 4(f), 5(e), 5(f), or those Industrial estates with pre –defined set of activities (not necessarily homogeneous, obtains prior environmental clearance, individual industries including proposed industrial housing within such estates /complexes will not be required to take prior environmental clearance, so long as the Terms and Conditions for
the industrial estate/complex are complied with (Such estates/complexes must have a clearly identified management with the legal responsibility of ensuring adherence to the Terms and Conditions of prior environmental clearance, who may be held responsible for violation of the same throughout the life of the complex/estate)

If the above option is selected,

16.2 Status of the Environmental Clearance to the Project (EC Obtained, EC under process, EC application yet to be submitted)

If EC Obtained is selected,

16.2.1 MoEFCC File No.

16.2.2 Upload a copy of Environmental Clearance to the Project (upload pdf only as Annexure-EC letter)

16.2.3 Date of grant of Environmental Clearance to the Project

**Undertaking**

1. Name (auto fill)
2. Designation (auto fill)
3. Company (auto fill)
4. Address (auto fill)

**Project Profile**

1. Nearest railway station
2. Distance from the project site (in km) (Nearest Railway Station)
3. Nearest Airport
4. Distance from the project site (in km) (Nearest Airport)
5. Nearest Town/City/District
6. Distance from the project site (in km) (Nearest Town/City/District)
7. Distance of the project from nearest Habitation
8. Details of alternative sites examined? (Yes/No)

   If “Yes” is selected,
   8.1 Upload details (Upload pdf only and attach it as Annexure-alternative sites examined)

9. Whether part of interlinked projects? (Yes/No)

   If “Yes” is selected,
   9.1 Whether separate application of interlinked project has been submitted? (Yes/No)

      If “Yes” is selected,
      9.1.1 MoEF file number
9.1.2 Date of submission

If “No” is selected,

9.1.3 Reason

10. Whether the proposal involves approval/clearance under the Forest (Conservation) Act, 1980? (Yes/No)

If “Yes” is selected,

10.1 Status (In-Principle (Stage-I) Approval Obtained, Final (Stage-II) Approval Obtained, Forest Clearance Under Process, Application for Forest Clearance yet to be submitted)

11. Whether the proposal involves approval/clearance under the wildlife (Protection) Act, 1972? (Yes/No)

If “Yes” is selected,

11.1 Status (Wildlife clearance obtained, Wildlife clearance under process, Application for Wildlife clearance yet to be submitted)

12. Whether the proposal involves approval/clearance under the C.R.Z notification, 2011? (Yes/No)

13. Whether there is any Government Order/Policy relevant/relying to the site? (Yes/No)

If “Yes”

13.1 Upload Order/Policy (only pdf, Attach as Annexure-order/policy)

14. Whether there is any litigation pending against the project and/or land in which the project is proposed to be set up? (Yes/No)

If “Yes”

14.1 Name of the court

14.2 Sub court

14.3 Case no.

14.4 Orders/Directions of the court, if any and its relevance with the proposed project

Activity (II)

1. Construction, operation or decommissioning of the Project involving 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 increase in intensity of land use (with respect to local land use plan) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)
1.2 Clearance of existing land, vegetation and buildings? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.3 Creation of new land uses? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.4 Pre-construction investigations e.g. bore houses, soil testing? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.5 Construction works? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.6 Demolition works? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.7 Temporary sites used for construction works or housing of construction workers? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.8 Above ground buildings, structures or earthworks including linear structures, cut and fill or excavations? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.9 Underground works including mining or tunnelling? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.10 Reclamation works? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.11 Dredging? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.12 Offshore structures? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.13 Production and manufacturing processes? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.14 Facilities for storage of goods or materials? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.15 Facilities for treatment or disposal of solid waste or liquid effluents? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.16 Facilities for long term housing of operational workers? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.17 New road, rail or sea traffic during construction or operation? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)
1.18 New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc.? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.19 Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.20 New or diverted transmission lines or pipelines? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.21 Impoundment, damming, culverting, realignment or other changes to the hydrology of watercourses or aquifers? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.22 Stream crossings? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.23 Abstraction or transfers of water form ground or surface waters? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.24 Changes in water bodies or the land surface affecting drainage or run-off? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.25 Transport of personnel or materials for construction, operation or decommissioning? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.26 Long-term dismantling or decommissioning or restoration works? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.27 Ongoing activity during decommissioning which could have an impact on the environment? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.28 Influx of people to an area in either temporarily or permanently? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.29 Introduction of alien species? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.30 Loss of native species or genetic diversity? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

1.31 Any other actions? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)
2. Use of Natural resources for construction or operation of the Project (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 (ha) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

2.2 Water (expected source & competing users) unit: KLD (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

2.3 Minerals (MT) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

2.4 Construction material – stone, aggregates, sand / soil (expected source – MT) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

2.5 Forests and timber (source – MT) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

2.6 Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

2.7 Any other natural resources (use appropriate standard units) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

3. 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 Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

3.2 Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

3.3 Affect the welfare of people e.g. by changing living conditions? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

3.4 Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc. (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)
3.5 Any other causes (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4. Production of solid wastes during construction or operation or decommissioning (MT/month)

4.1 Spoil, overburden or mine wastes (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.2 Municipal waste (domestic and or commercial wastes) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.3 Hazardous wastes (as per Hazardous Waste Management Rules) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.4 Other industrial process wastes (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.5 Surplus product (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.6 Sewage sludge or other sludge from effluent treatment (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.7 Construction or demolition wastes (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.8 Redundant machinery or equipment (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.9 Contaminated soils or other materials (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.10 Agricultural wastes (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

4.11 Other solid wastes (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

5.1 Emissions from combustion of fossil fuels from stationary or mobile sources (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

5.2 Emissions from production processes (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

5.3 Emissions from materials handling including storage or transport (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)
5.4 Emissions from construction activities including plant and equipment (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

5.5 Dust or odours from handling of materials including construction materials, sewage and waste (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

5.6 Emissions from incineration of waste (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

5.7 Emissions from burning of waste in open air (e.g. slash materials, construction debris) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

5.8 Emissions from any other sources (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

6. Generation of Noise and Vibration, and Emissions of Light and Heat

6.1 From operation of equipment e.g. engines, ventilation plant, crushers (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

6.2 From industrial or similar processes (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

6.3 From construction or demolition (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

6.4 From blasting or piling (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

6.5 From construction or operational traffic (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

6.6 From lighting or cooling systems (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

6.7 From any other sources (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea

7.1 From handling, storage, use or spillage of hazardous materials (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)
7.2 From discharge of sewage or other effluents to water or the land (expected mode and place of discharge) (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

7.3 By deposition of pollutants emitted to air into the land or into water (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

7.4 From any other sources (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

7.5 Is there a risk of long term build-up of pollutants in the environment from these sources? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

8. 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 substances (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

8.2 From any other causes (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

8.3 Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc.)? (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

9. 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 Lead to development of supporting. lities, 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

(Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)
9.2 Lead to after-use of the site, which could have an impact on the environment (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

9.3 Lead to after-use of the site, which could have an impact on the environment (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

9.4 Have cumulative effects due to proximity to other existing or planned projects with similar effects (Yes/No) (if Yes, Details thereof (with approximate quantities/rates, wherever possible) with source of information data)

Environmental Sensitivity

1. Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

2. Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

3. Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

4. Inland, coastal, marine or underground waters (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

5. State, National boundaries (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

6. Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

7. Defence installations (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

8. Densely populated or built-up area (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

9. Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities) (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)
10. Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals) (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

11. Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded) (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions) (Yes/No) (if Yes, Aerial distance (within 15km.) Proposed project location boundary)

Attachments

1. Upload EMP for all lease in the cluster (Upload pdf only and attach it as Annexure- EMP for all lease in the cluster)
2. Upload scanned copy of covering letter (Upload pdf only)
3. Upload Pre-feasibility Report (PFR) (Upload pdf only and attach it as Annexure-Pre-feasibility Report (PFR) File)
4. Upload District Survey Report (Upload pdf only and attach it as Annexure-District Survey Report File)

Additional Attachments, If nay (Five multiple entries are allowed)

1. Name of File
2. Upload File (Upload pdf file only, not more than 1 MB)
ONLINE SUBMISSION AND MONITORING OF ENVIRONMENTAL CLEARANCES (OSMEC)

Category-'B2' Projects: Mining of Minor Minerals

USER MANUAL FOR PROJECT PROPOSER (Version 1.0)
ABOUT THE MANUAL

**Audience**
This manual is meant for project proponents who are supposed to submit application for seeking prior environment clearances from DEIAAs/DEACs (Category- ‘B2’ Projects: Mining of Minor Minerals) for appraising the impact of the planned project on the environment and minimizing the same.

**Purpose**
The purpose of this document is to provide an interface between user and OSMEC (an “Online Submission and Monitoring of Environmental Clearances”) portal. It will help the user to understand major features, benefits and workflow of the system. It will also help proponent to submit the proposal along with all required attachments.

**Authorship**
This manual has been prepared by Ministry of Environment, Forest and Climate Change, Government of India, New Delhi – 110003.

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1.0 ABOUT ENVIRONMENT CLEARANCE PORTAL

1.1 INTRODUCTION

In order to bring more transparency and accountability in the environment clearance process, Ministry of Environment, Forests and Climate Change, Government of India has rolled out a portal named as “Online Submission and Monitoring of Environmental Clearances” (OSMEC, Category-‘B2' Projects: Mining of Minor Minerals).

OSMEC is a web based, role based, G2B and G2G workflow application that are developed for online submission and monitoring of the proposals(Category-'B2' Projects: Mining of Minor Minerals) submitted by the proponent for seeking Environment Clearances. It automates the entire tracking of proposals which includes online submissions of a new proposal, editing/updating the details of proposals and displays status of the proposals at each stage of the workflow.

The system is based on the Web Architecture. It uses IIS as an application server, .Net as a framework and SQL Server as a database server.

1.2 OBJECTIVE

The following are the main objectives of the System:

- Enhance efficiency, transparency and accountability in the environment clearance process.
- Reduction in turnaround time for activity.
- Enhance responsiveness through workflows automation and availability of real time information.
- Enhance ease and convenience of citizens and businesses in accessing information and services.
- Achieve standardization in processes across regional and state level.
- Online real-time monitoring and adherence to timelines for verification.
- A more user-friendly application.
1.3 CORE FEATURES OF THE PORTAL

1) A role based workflow application that helps project proponents in online submission of the proposals seeking environment clearances and tracking the proposals.
2) Facilitate management in effective monitoring.
3) Delays in the clearance process can be ascertained.
4) Accessible from any PC having internet facility.
5) 24x7 Online.

1.4 ROLES

The following Roles have been defined as per the responsibility:

1.4.1 PROJECT PROPONENT (PP)

Any project proponent has to register with the EC portal before submitting any proposal (Category-’B2’ Projects: Mining of Minor Minerals) for seeking Environment Clearance. Only one-time registration is required for submitting the application (Note: Proponents need not re-register themselves if they are already registered on the portal). Once, PP register with the portal an acknowledgement slip containing user-id and password would be sent by the system automatically to proponent’s email id. PP can login into EC portal by using user-id and password communicated through email and then PP can submit EC application for Category-’B2’ Projects: Mining of Minor Minerals online along with all relevant documents. The PP can track the status of the proposal at any stage after submitting it online.

1.4.2 DEIAA (DISTRICT ENVIRONMENT IMPACT ASSESSMENT AUTHORITY)

After receiving the proposal online, MS (Member Secretary) of DEIAA can examine the proposal for its completeness and the same will be forwarded (after assigning DEIAA file no.) to DEAC (District Environment Appraisal Committee). If proposal is not complete, MS of DEIAA can raise query and may ask PP to submit the complete proposal. If proposal is complete, the same will be forwarded by MS of DEIAA to DEAC for their recommendation.

The proposal will come again to DEIAA after the completion of process from DEAC along with their recommendation. MS of DEIAA would process it finally and will upload the decision.
1.4.3 DEAC (DISTRICT EXPERT APPRAISAL COMMITTEE)

After receiving the proposal online from DEIAA, the concerned MS of DEAC can view the proposal (along with all the relevant documents) submitted by PP. They will examine it and may raise query (if any) to DEIAA. After that, MS of DEAC will conduct the meeting and upload the agenda, minutes of the meeting and recommendation of DEAC on the portal. If, they upload the recommendation, the proposal would be forwarded automatically to DEIAA.

1.5 WORK FLOW

**Project Proponent (PP)** can register to get the login credentials from [http://environmentclearance.nic.in](http://environmentclearance.nic.in). Thereafter, project details can be submitted along with all required documents. When PP submits all these details, an acknowledgement letter would be sent (by System) automatically to registered email-id of PP. Acknowledgement letter may contain some information including unique proposal number. PP may refer this unique proposal number for future reference.

**MS of DEIAA logs-in to the portal** and scrutinizes the proposal (within 5 working days) and sends an acceptance letter to PP (after assigning DEIAA file number), if all relevant documents are uploaded properly by PP. If any document is missing or any other information is needed, MS of DEIAA may ask PP to upload those missing information. Timeline will start only, when MS of DEIAA accepts the proposal.

When, DEIAA sends the acceptance letter to PP, proposal details are forwarded automatically to DEAC for further processing.

**MS of DEAC** can view the proposal after logging into portal and can take print out (if needed) of the entire details and then process it. After that, he/she uploads the agenda, minutes of the meeting and recommendations on the portal.

When, DEAC uploads recommendations on the portal, proposal details are forwarded automatically to DEIAA for further processing.

**MS of DEIAA** will again login into portal and will conduct DEIAA meeting and then will upload agenda, minutes of the meeting and recommendations/decision on the portal.
Automatic mailer notifications will be triggered for each and every transaction committed in the OSMEC System.

The status of proposal will be updated at each transaction and the same would be reflected automatically in the reports available in public domain.
2.0 NEW PROJECT PROONENT REGISTRATION AND LOGIN

2.1 NEW REGISTRATION

For submitting application EC, Project Proponent has to first register online with EC portal, if proponent is already registered with Environment, Forest or Wildlife Clearance Portal, he may not reregister himself. Registration can be done in the following manner:

Step 1. Type [http://environmentclearance.nic.in](http://environmentclearance.nic.in) in the address bar of the web browser i.e. Internet Explorer, Mozilla Firefox, Google Chrome etc. and press Enter.

A **Home** page of OSMEC portal will appear as shown in Figure-2.1.

Step 2. Click on Register New Proponent as shown in the Figure-2.1.

![Figure-2.1: Home Page of OSMEC portal](image)
New Registration form of the OSMEC portal will appear as shown in figure-2.2.

![New Registration Form](image)

**Figure-2.2 New Proponent Registration Form**

Step 3. Fill-in the data in the above mentioned form and then press **SUBMIT** button.

After successful registration, new user will get the notification on registered email-id.

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2.2 **LOGIN**

To login into the EC portal, do the following:

*Step 1.* Click on the Login (Proponent) as shown in figure 2.3

![Home Page of OSMEC](image)

**Figure-2.3 Home Page of OSMEC**

*Step 2.* Type the user id in the text box.

*Step 3.* Type the password in the **Password** text box.

*Step 4.* Type the code in the text box shown in the **Captcha** image below it.

*Step 5.* Click on **Login** button as shown in Figure-2.4.

**Note:** The drop down lists on the top of the home page in LIVE STATISTICS is of the already registered States and Districts for this portal. Proponents can apply for a proposal only if the concerned District is registered.
After successful login, Change password page will be displayed as shown in figure 2.5.

PP has to change password assigned through email generated after registration. When PP changes the password, the following page (Figure-2.6) would be displayed on screen.
The option for changing password is available under ‘**My Account**’ tab also as shown in the figure 2.7.

**Figure-2.6 First time logged-in page for PP**

**Figure-2.7 Change password Screen**
2.3 LOGOUT

To logout from OSMEC portal, click on the option “Logout” at the upper right corner of the screen as shown in the figure 2.8.

Figure-2.8 Log out
3.0 ADDING, EDITING & TRACKING PROPOSALS

3.1 ADD NEW PROPOSAL

After login, PP can submit application online for EC (Category-B) along with other required documents. After submitting the proposal details, PP can track the status of the proposal submitted as per the flow defined in the system. They are supposed to check their emails and SMSs for further action at their end. There are two separate tabs (i.e. Category-A and Category-B) under ‘My Proposals (Environment Clearance)’ tab. If PP wants to apply under Category-'B2' Projects: Mining of Minor Minerals, then he/she has to apply through ‘Category-B’ tab. To submit a new proposal, following procedure may be adopted:

Step 1. To add a new proposal, click on ‘My Proposals (Environment Clearance)’ tab. Then click on the ‘District Level Proposals’ link available under ‘Category-B’ link, and click on “Add new Proposal - For EC” as shown in Figure 3.1.

Step 2. After clicking on ‘Add new Proposal’ link, the following form will be displayed on screen as shown in figure-3.2(a).
Figure- 3.2(a): Form to Select State and District of the Proposal

This will redirect the proponent to the Main Form:
Figure- 3.2(b): EC Application (Category-'B2' Projects: Mining of Minor Minerals)

Step 3. Fill up all the parameters available on the form.

**Note:** EC Application (Category-'B2' Projects of Mining of Minor Minerals) contains three (3) pages for the proposal in Form – 1M and fourteen (14) pages for the proposal in Form - 1. Proponent is advised to follow all the instructions given on the pages. The parameters marked with red asterisk (*) are mandatory.

Step 4. Proponent can save the proposal in Draft mode by clicking on ‘Save as Draft’ button available on first page of Application or they may click on ‘Next’ button for filling up other pages. If ‘Save as Draft’ button is clicked, a unique proposal no. will be generated automatically by the system and the same would be communicated to the user through pop-up message. If user clicks on ‘OK’ of pop up message, control will come back to the first page. Then proponent may fill up other pages by clicking on ‘Next’ button.
Step 5. Proponent has to click on ‘Save as Draft’ or ‘Save and lock’ button available on last page for saving the entire form.

**Note:** As long as Proposal is saved in draft mode, changes can be made in it. If proposal is saved by clicking on ‘Save and lock’ tab, then, no further changes can be made in the proposal. Please ensure that all details have been uploaded properly before saving in lock mode.

Step 6. After successfully addition of proposal, an acknowledgement letter is emailed automatically to the registered email-id of proponent and the proposal is sent to the concerned MS of DEIAAA for further necessary action. Concerned MS of DEIAAA will get the email notification alert. MS of DEIAAA will examine the proposal and if found complete, may ask the proponent to submit a signed copy of the proposal to DEIAAA office. Proponent has to submit a signed copy of proposal to DEIAAA office along with acknowledgement letter and all other relevant documents.

### 3.2 EDIT NEW PROPOSAL

The details of the proposals can be updated by PP if these details have been submitted by clicking on ‘Save as Draft’ button. No change can be made if proposal is saved and locked. To update the submitted proposal, the following procedure may be adopted:

Step 1: To update a proposal, click on ‘My Proposals (Environment Clearance)’ tab. Then click on the “Edit New Proposal” under ‘District Level Proposals’ link available under ‘Category-B’ link, and click on “For EC” link as shown in Figure 3.3.

![Figure-3.3 First Screen for editing Proposal](image-url)
Step 3: Click on proposal number displayed under ‘Proposal No.’ column to edit the proposal details. After clicking on proposal number the following screen will be displayed as shown in Figure-3.5. Proponent can update the information and then may submit it by clicking on ‘Save & lock’ button. Once application is saved by using this option, no further changes can be made in the proposal.
4.0 REQUEST FOR MODIFICATION IN EARLIER ISSUED EC

The project proponent can make a request for the modification in earlier issued EC. This module will be available in the near future.

Project Type as “Corrigendum, Extension of Validity or Amendment” in the form can be selected to apply for desired Modification.
5.0 ESSENTIAL DETAILS SOUGHT DUE TO SHORTCOMING

After submission of the proposal, MS of DEIAA/ DEAC examines the proposal. If they require some more information, then they may ask proponent to submit the same. The query raised by MS of DEIAA/ DEAC would be available in ‘Essential Details Sought by DEIAA/ DEAC’ module under ‘Category-B’, ‘District Level Proposals’ under ‘My Proposals (Environment Clearance)’ tab. If MS of DEIAA/ DEAC raises any query through this module, system will send a SMS and email to Proponent for the intimation and the application will be available in ‘Draft mode’ to the proponent. Proponent can resubmit the application after submitting all the required information.

Figure-5.1 First screen for EDS details

After clicking on EDS details link, the following screen will be displayed on the screen. Proponent may view the query raised by DEIAA/ DEAC (if, any).

Figure-5.2 Screen showing summary of proposals in which essential details have to be submitted by proponent.
If proponent clicks on ‘**EDS Letter**’ button, he/she may view the EDS letter issued by DEIAA/DEAC and then proponent has to go to ‘**Reply**’ link to resubmit the proposal.

![Figure-5.2 Screen for viewing the EDS letter](image)

DEIAA/DEAC may also raise query after accepting the proposal also. For this purpose, a module named as ‘**Additional Details Sought by DEIAA/DEAC**’ has been provided in the portal. If DEIAA/DEAC raise any query through that module, then the same can be viewed by proponent in that module available to them. Proponent may submit reply along with additional details through this module.
6.0 WITHDRAW PROPOSALS

Proponent may withdraw his/her proposal at any stage of the process. For that, he/she has to make a request to do the same.
Figure-6.2 Screen displaying List of proposals for seeking EC

Figure 6.2 is displaying the list of proposals seeking EC. If proponent desires to withdraw the proposal, he or she may click on ‘Withdraw’ button. The moment he or she presses the button, a request will be sent to DEIAA and if same is accepted by MS of DEIAA, the proposal would be delisted from the process and the same would be intimated to proponent through email and SMS.
7.0 VIEW/PRINT EC APPLICATION

One more tab 'Reports' has been provided for the various types of reports. By clicking on 'View/Print EC Application' link, proponent can view and take print out of the application submitted online.

This completes the process at Project Proponent.

Figure-7.1 Screen displaying various reports available to proponent
ANNEXURE A

Frequently Asked Questions (FAQs)

Q.1. What does OSMEC stand for?
Ans. Online Submission and Monitoring of Environmental Clearances.

Q.2. What does PP stand for?
Ans. Project Proponent.

Q.3. How PP can register and login on the OMSEC portal?
Ans. PP can click on Register (New User Agency) tab available on main page of the portal (http://environmentclearance.nic.in/registrationnew.aspx). Then a registration form will be displayed on the screen. When UA submits Registration form, then a user-id (email of UA) and password will be emailed automatically to UA’s email-id. UA can login with these credentials.

Q.4. Where is all the information regarding the OSMEC residing?
Ans. All the proposal information is available on Environment Clearance portal. Click here to visit.

Q.5. What are the key benefits for the department adopting the Online Submission and Monitoring of Environmental Clearances?
Ans. It provides transparency and efficiency in the working environment, minimizes the processing delay, helps in timely disposal of important issues, enables one to work from anywhere, anytime, leads to a paperless working and provides ease and flexibility in the retrieval of various reports.

Q.6. Are all the necessary fields required to be filled while submitting the proposal online?
Ans. All the required field should be filled otherwise system will not allow submitting the proposal.
Q.7. **Is it possible to add more proposals after the acceptance for consideration of the proposal submitted by PP?**
Ans. Yes, the PP can add more proposals after acceptance of a proposal by DEIAA.

Q.8. **How DEIAA will inform PPs if any additional information is sought from them?**
Ans. PP will receive an email and SMS if any additional information is sought by DEIAA. The same could be viewed by PP by clicking on **Additional Details Sought by DEIAA/ DEAC**.

Q.9. **Is it possible to see the contact detail of DEIAA Nodal Officer for Private Entrepreneur?**
Ans. Yes, List of Nodal Officers is available on the website.

Q.10. **Can Private Entrepreneur/PP track the progress of their proposal?**
Ans. Yes, they can see the progress as well as the decisions.

Q.11. **Is Captcha code necessary?**
Ans. Yes, due to the Security Guidelines, it is necessary to insert the code at every transaction.

Q.12. **Is it mandatory to change the password from default given password?**
Ans. Yes, it is mandatory to change the password on first login after receiving the default password.

Q.13. **Is it possible to see the list of all the proposals submitted by PP?**
Ans. Yes, the list of projects submitted by proponent is available on the portal.

Q.14. **Can more than one proposal be added by one project proponent?**
Ans. Yes, more than one proposal can be added by one proponent.
Notification

S.O. 1533 Whereas, a draft notification under sub-rule (3) of Rule 5 of the Environment (Protection) Rules, 1986 for imposing certain restrictions and prohibitions on new projects or activities, or on the expansion or modernization of existing projects or activities based on their potential environmental impacts as indicated in the Schedule to the notification, being undertaken in any part of India, unless prior environmental clearance has been accorded in accordance with the objectives of National Environment Policy as approved by the Union Cabinet on 18th May, 2006 and the procedure specified in the notification, by the Central Government or the State or Union territory Level Environment Impact Assessment Authority (SEIAA), to be constituted by the Central Government in consultation with the State Government or the Union territory Administration concerned under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 for the purpose of this notification, was published in the Gazette of India, Extraordinary, Part II, section 3, sub-section (ii) vide number S.O. 1324 (E) dated the 15th September, 2005 inviting objections and suggestions from all persons likely to be affected thereby within a period of sixty days from the date on which copies of Gazette containing the said notification were made available to the public;

And whereas, copies of the said notification were made available to the public on 15th September, 2005;

And whereas, all objections and suggestions received in response to the above mentioned draft notification have been duly considered by the Central Government;

Now, therefore, in exercise of the powers conferred by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986, read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986 and in supersession of the notification number S.O. 60 (E) dated the 27th January, 1994, except in respect of things done or omitted to be done before such supersession, the Central Government hereby directs that on and from the date of its publication the required construction of new projects or activities or the expansion or modernization of existing projects or activities listed in the Schedule to this notification entailing capacity addition with change in process and or technology shall be undertaken in any part of India only after the prior environmental clearance from the Central Government or as the case may be, by the State Level Environment Impact Assessment Authority, duly constituted by the Central Government under sub-section (3) of section 3 of the said Act, in accordance with the procedure specified hereinafter in this notification.

_________________________

1Includes the territorial waters
2. Requirements of prior Environmental Clearance (EC):- The following projects or activities shall require prior environmental clearance from the concerned regulatory authority, which shall hereinafter referred to be as the Central Government in the Ministry of Environment and Forests for matters falling under Category ‘A’ in the Schedule and at State level the State Environment Impact Assessment Authority (SEIAA) for matters falling under Category ‘B’ in the said Schedule, before any construction work, or preparation of land by the project management except for securing the land, is started on the project or activity:

(i) All new projects or activities listed in the Schedule to this notification;

(ii) Expansion and modernization of existing projects or activities listed in the Schedule to this notification with addition of capacity beyond the limits specified for the concerned sector, that is, projects or activities which cross the threshold limits given in the Schedule, after expansion or modernization;

(iii) Any change in product - mix in an existing manufacturing unit included in Schedule beyond the specified range.

3. State Level Environment Impact Assessment Authority:- (1) A State Level Environment Impact Assessment Authority hereinafter referred to as the SEIAA shall be constituted by the Central Government under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 comprising of three Members including a Chairman and a Member – Secretary to be nominated by the State Government or the Union territory Administration concerned.

(2) The Member-Secretary shall be a serving officer of the concerned State Government or Union territory administration familiar with environmental laws.

(3) The other two Members shall be either a professional or expert fulfilling the eligibility criteria given in Appendix VI to this notification.

(4) One of the specified Members in sub-paragraph (3) above who is an expert in the Environmental Impact Assessment process shall be the Chairman of the SEIAA.

(5) The State Government or Union territory Administration shall forward the names of the Members and the Chairman referred in sub-paragraph 3 to 4 above to the Central Government and the Central Government shall constitute the SEIAA as an authority for the purposes of this notification within thirty days of the date of receipt of the names.

(6) The non-official Member and the Chairman shall have a fixed term of three years (from the date of the publication of the notification by the Central Government constituting the authority).

(7) All decisions of the SEIAA shall be unanimous and taken in a meeting.

4. Categorization of projects and activities:-

(i) All projects and activities are broadly categorized in to two categories - Category A and Category B, based on the spatial extent of potential impacts and potential impacts on human health and natural and man made resources.
(ii) All projects or activities included as Category ‘A’ in the Schedule, including expansion and modernization of existing projects or activities and change in product mix, shall require prior environmental clearance from the Central Government in the Ministry of Environment and Forests (MoEF) on the recommendations of an Expert Appraisal Committee (EAC) to be constituted by the Central Government for the purposes of this notification;

(iii) All projects or activities included as Category ‘B’ in the Schedule, including expansion and modernization of existing projects or activities as specified in sub paragraph (ii) of paragraph 2, or change in product mix as specified in sub paragraph (iii) of paragraph 2, but excluding those which fulfill the General Conditions (GC) stipulated in the Schedule, will require prior environmental clearance from the State/Union territory Environment Impact Assessment Authority (SEIAA). The SEIAA shall base its decision on the recommendations of a State or Union territory level Expert Appraisal Committee (SEAC) as to be constituted for in this notification. In the absence of a duly constituted SEIAA or SEAC, a Category ‘B’ project shall be treated as a Category ‘A’ project;

5. **Screening, Scoping and Appraisal Committees:**

The same Expert Appraisal Committees (EACs) at the Central Government and SEACs (hereinafter referred to as the (EAC) and (SEAC) at the State or the Union territory level shall screen, scope and appraise projects or activities in Category ‘A’ and Category ‘B’ respectively. EAC and SEAC’s shall meet at least once every month.

(a) The composition of the EAC shall be as given in Appendix VI. The SEAC at the State or the Union territory level shall be constituted by the Central Government in consultation with the concerned State Government or the Union territory Administration with identical composition;

(b) The Central Government may, with the prior concurrence of the concerned State Governments or the Union territory Administrations, constitutes one SEAC for more than one State or Union territory for reasons of administrative convenience and cost;

(c) The EAC and SEAC shall be reconstituted after every three years;

(d) The authorised members of the EAC and SEAC, concerned, may inspect any site(s) connected with the project or activity in respect of which the prior environmental clearance is sought, for the purposes of screening or scoping or appraisal, with prior notice of at least seven days to the applicant, who shall provide necessary facilities for the inspection;

(e) The EAC and SEACs shall function on the principle of collective responsibility. The Chairperson shall endeavour to reach a consensus in each case, and if consensus cannot be reached, the view of the majority shall prevail.

6. **Application for Prior Environmental Clearance (EC):**

An application seeking prior environmental clearance in all cases shall be made in the prescribed Form 1 annexed herewith and Supplementary Form 1A, if applicable, as given in Appendix II, after the identification of prospective site(s) for the project and/or activities to which the application relates, before commencing any construction activity, or preparation of land, at the site by the applicant. The applicant shall furnish, along with the application, a copy of the pre-feasibility project report except that, in case of construction projects or activities (item 8 of the Schedule) in addition to Form 1 and the Supplementary Form 1A, a copy of the conceptual plan shall be provided, instead of the pre-feasibility report.
7. **Stages in the Prior Environmental Clearance (EC) Process for New Projects:**

7(i) The environmental clearance process for new projects will comprise of a maximum of four stages, all of which may not apply to particular cases as set forth below in this notification. These four stages in sequential order are:-

- Stage (1) Screening (Only for Category ‘B’ projects and activities)
- Stage (2) Scoping
- Stage (3) Public Consultation
- Stage (4) Appraisal

I. **Stage (1) - Screening:**

In case of Category ‘B’ projects or activities, this stage will entail the scrutiny of an application seeking prior environmental clearance made in Form 1 by the concerned State level Expert Appraisal Committee (SEAC) for determining whether or not the project or activity requires further environmental studies for preparation of an Environmental Impact Assessment (EIA) for its appraisal prior to the grant of environmental clearance depending upon the nature and location specificity of the project. The projects requiring an Environmental Impact Assessment report shall be termed Category ‘B1’ and remaining projects shall be termed Category ‘B2’ and will not require an Environment Impact Assessment report. For categorization of projects into B1 or B2 except item 8 (b), the Ministry of Environment and Forests shall issue appropriate guidelines from time to time.

II. **Stage (2) - Scoping:**

(i) “Scoping”: refers to the process by which the Expert Appraisal Committee in the case of Category ‘A’ projects or activities, and State level Expert Appraisal Committee in the case of Category ‘B1’ projects or activities, including applications for expansion and/or modernization and/or change in product mix of existing projects or activities, determine detailed and comprehensive Terms Of Reference (TOR) addressing all relevant environmental concerns for the preparation of an Environment Impact Assessment (EIA) Report in respect of the project or activity for which prior environmental clearance is sought. The Expert Appraisal Committee or State level Expert Appraisal Committee concerned shall determine the Terms of Reference on the basis of the information furnished in the prescribed application Form1/Form 1A including Terms of Reference proposed by the applicant, a site visit by a sub-group of Expert Appraisal Committee or State level Expert Appraisal Committee concerned only if considered necessary by the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned. All projects and activities listed as Category ‘B’ in Item 8 of the Schedule (Construction/Township/Commercial Complexes /Housing) shall not require Scoping and will be appraised on the basis of Form 1/ Form 1A and the conceptual plan.

(ii) The Terms of Reference (TOR) shall be conveyed to the applicant by the Expert Appraisal Committee or State level Expert Appraisal Committee as concerned within sixty days of the receipt of Form 1. In the case of Category A Hydroelectric projects Item 1(c) (i) of the Schedule the Terms of Reference shall be conveyed along with the clearance for pre-construction activities. If the Terms of Reference are not finalized and conveyed to the applicant within sixty days of the receipt of Form 1, the Terms of Reference suggested by the applicant shall be deemed as the final Terms of Reference approved for the EIA studies. The approved Terms of
Reference shall be displayed on the website of the Ministry of Environment and Forests and the concerned State Level Environment Impact Assessment Authority.

(iii) Applications for prior environmental clearance may be rejected by the regulatory authority concerned on the recommendation of the EAC or SEAC concerned at this stage itself. In case of such rejection, the decision together with reasons for the same shall be communicated to the applicant in writing within sixty days of the receipt of the application.

III. Stage (3) - Public Consultation:

(i) “Public Consultation” refers to the process by which the concerns of local affected persons and others who have plausible stake in the environmental impacts of the project or activity are ascertained with a view to taking into account all the material concerns in the project or activity design as appropriate. All Category ‘A’ and Category B1 projects or activities shall undertake Public Consultation, except the following:-

(a) modernization of irrigation projects (item 1(c) (ii) of the Schedule).

(b) all projects or activities located within industrial estates or parks (item 7(c) of the Schedule) approved by the concerned authorities, and which are not disallowed in such approvals.

(c) expansion of Roads and Highways (item 7 (f) of the Schedule) which do not involve any further acquisition of land.

(d) all Building /Construction projects/Area Development projects and Townships (item 8).

(e) all Category ‘B2’ projects and activities.

(f) all projects or activities concerning national defence and security or involving other strategic considerations as determined by the Central Government.

(ii) The Public Consultation shall ordinarily have two components comprising of:-

(a) a public hearing at the site or in its close proximity- district wise, to be carried out in the manner prescribed in Appendix IV, for ascertaining concerns of local affected persons;

(b) obtain responses in writing from other concerned persons having a plausible stake in the environmental aspects of the project or activity.

(iii) the public hearing at, or in close proximity to, the site(s) in all cases shall be conducted by the State Pollution Control Board (SPCB) or the Union territory Pollution Control Committee (UTPCC) concerned in the specified manner and forward the proceedings to the regulatory authority concerned within 45(forty five ) of a request to the effect from the applicant.

(iv) in case the State Pollution Control Board or the Union territory Pollution Control Committee concerned does not undertake and complete the public hearing within the specified period, and/or does not convey the proceedings of the public hearing within the prescribed period
directly to the regulatory authority concerned as above, the regulatory authority shall engage another public agency or authority which is not subordinate to the regulatory authority, to complete the process within a further period of forty-five days.

(v) If the public agency or authority nominated under the sub-paragraph (iii) above reports to the regulatory authority concerned that owing to the local situation, it is not possible to conduct the public hearing in a manner which will enable the views of the concerned local persons to be freely expressed, it shall report the facts in detail to the concerned regulatory authority, which may, after due consideration of the report and other reliable information that it may have, decide that the public consultation in the case need not include the public hearing.

(vi) For obtaining responses in writing from other concerned persons having a plausible stake in the environmental aspects of the project or activity, the concerned regulatory authority and the State Pollution Control Board (SPCB) or the Union territory Pollution Control Committee (UTPCC) shall invite responses from such concerned persons by placing on their website the Summary EIA report prepared in the format given in Appendix IIIA by the applicant along with a copy of the application in the prescribed form, within seven days of the receipt of a written request for arranging the public hearing. Confidential information including non-disclosable or legally privileged information involving Intellectual Property Right, source specified in the application shall not be placed on the website. The regulatory authority concerned may also use other appropriate media for ensuring wide publicity about the project or activity. The regulatory authority shall, however, make available on a written request from any concerned person the Draft EIA report for inspection at a notified place during normal office hours till the date of the public hearing. All the responses received as part of this public consultation process shall be forwarded to the applicant through the quickest available means.

(vii) After completion of the public consultation, the applicant shall address all the material environmental concerns expressed during this process, and make appropriate changes in the draft EIA and EMP. The final EIA report, so prepared, shall be submitted by the applicant to the concerned regulatory authority for appraisal. The applicant may alternatively submit a supplementary report to draft EIA and EMP addressing all the concerns expressed during the public consultation.

IV. Stage (4) - Appraisal:

(i) Appraisal means the detailed scrutiny by the Expert Appraisal Committee or State Level Expert Appraisal Committee of the application and other documents like the Final EIA report, outcome of the public consultations including public hearing proceedings, submitted by the applicant to the regulatory authority concerned for grant of environmental clearance. This appraisal shall be made by Expert Appraisal Committee or State Level Expert Appraisal Committee concerned in a transparent manner in a proceeding to which the applicant shall be invited for furnishing necessary clarifications in person or through an authorized representative. On conclusion of this proceeding, the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned shall make categorical recommendations to the regulatory authority concerned either for grant of prior environmental clearance on stipulated terms and conditions, or rejection of the application for prior environmental clearance, together with reasons for the same.

(ii) The appraisal of all projects or activities which are not required to undergo public consultation, or submit an Environment Impact Assessment report, shall be carried out on the basis of the prescribed application Form 1 and Form 1A as applicable, any other relevant
validated information available and the site visit wherever the same is considered as necessary by the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned.

(iii) The appraisal of an application shall be completed by the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned within sixty days of the receipt of the final Environment Impact Assessment report and other documents or the receipt of Form 1 and Form 1 A, where public consultation is not necessary and the recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee shall be placed before the competent authority for a final decision within the next fifteen days. The prescribed procedure for appraisal is given in Appendix V;

7(ii). Prior Environmental Clearance (EC) process for Expansion or Modernization or Change of product mix in existing projects:

All applications seeking prior environmental clearance for expansion with increase in the production capacity beyond the capacity for which prior environmental clearance has been granted under this notification or with increase in either lease area or production capacity in the case of mining projects or for the modernization of an existing unit with increase in the total production capacity beyond the threshold limit prescribed in the Schedule to this notification through change in process and or technology or involving a change in the product—mix shall be made in Form I and they shall be considered by the concerned Expert Appraisal Committee or State Level Expert Appraisal Committee within sixty days, who will decide on the due diligence necessary including preparation of EIA and public consultations and the application shall be appraised accordingly for grant of environmental clearance.

8. Grant or Rejection of Prior Environmental Clearance (EC):

(i) The regulatory authority shall consider the recommendations of the EAC or SEAC concerned and convey its decision to the applicant within forty five days of the receipt of the recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned or in other words within one hundred and five days of the receipt of the final Environment Impact Assessment Report, and where Environment Impact Assessment is not required, within one hundred and five days of the receipt of the complete application with requisite documents, except as provided below.

(ii) The regulatory authority shall normally accept the recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned. In cases where it disagrees with the recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned, the regulatory authority shall request reconsideration by the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned within forty five days of the receipt of the recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned while stating the reasons for the disagreement. An intimation of this decision shall be simultaneously conveyed to the applicant. The Expert Appraisal Committee or State Level Expert Appraisal Committee concerned, in turn, shall consider the observations of the regulatory authority and furnish its views on the same within a further period of sixty days. The decision of the regulatory authority after considering the views of the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned shall be final and conveyed to the applicant by the regulatory authority concerned within the next thirty days.

(iii) In the event that the decision of the regulatory authority is not communicated to the applicant within the period specified in sub-paragraphs (i) or (ii) above, as applicable, the
applicant may proceed as if the environment clearance sought for has been granted or denied by the regulatory authority in terms of the final recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned.

(iv) On expiry of the period specified for decision by the regulatory authority under paragraph (i) and (ii) above, as applicable, the decision of the regulatory authority, and the final recommendations of the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned shall be public documents.

(v) Clearances from other regulatory bodies or authorities shall not be required prior to receipt of applications for prior environmental clearance of projects or activities, or screening, or scoping, or appraisal, or decision by the regulatory authority concerned, unless any of these is sequentially dependent on such clearance either due to a requirement of law, or for necessary technical reasons.

(vi) Deliberate concealment and/or submission of false or misleading information or data which is material to screening or scoping or appraisal or decision on the application shall make the application liable for rejection, and cancellation of prior environmental clearance granted on that basis. Rejection of an application or cancellation of a prior environmental clearance already granted, on such ground, shall be decided by the regulatory authority, after giving a personal hearing to the applicant, and following the principles of natural justice.

9. Validity of Environmental Clearance (EC):

The “Validity of Environmental Clearance” is meant the period from which a prior environmental clearance is granted by the regulatory authority, or may be presumed by the applicant to have been granted under sub paragraph (iv) of paragraph 7 above, to the start of production operations by the project or activity, or completion of all construction operations in case of construction projects (item 8 of the Schedule), to which the application for prior environmental clearance refers. The prior environmental clearance granted for a project or activity shall be valid for a period of ten years in the case of River Valley projects (item 1(c) of the Schedule), project life as estimated by Expert Appraisal Committee or State Level Expert Appraisal Committee subject to a maximum of thirty years for mining projects and five years in the case of all other projects and activities. However, in the case of Area Development projects and Townships [item 8(b)], the validity period shall be limited only to such activities as may be the responsibility of the applicant as a developer. This period of validity may be extended by the regulatory authority concerned by a maximum period of five years provided an application is made to the regulatory authority by the applicant within the validity period, together with an updated Form 1, and Supplementary Form 1A, for Construction projects or activities (item 8 of the Schedule). In this regard the regulatory authority may also consult the Expert Appraisal Committee or State Level Expert Appraisal Committee as the case may be.

10. Post Environmental Clearance Monitoring:

(i) It shall be mandatory for the project management to submit half-yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard and soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.

(ii) All such compliance reports submitted by the project management shall be public documents. Copies of the same shall be given to any person on application to the concerned regulatory authority. The latest such compliance report shall also be displayed on the web site of the concerned regulatory authority.
11. Transferability of Environmental Clearance (EC):

A prior environmental clearance granted for a specific project or activity to an applicant may be transferred during its validity to another legal person entitled to undertake the project or activity on application by the transferor, or by the transferee with a written “no objection” by the transferor, to, and by the regulatory authority concerned, on the same terms and conditions under which the prior environmental clearance was initially granted, and for the same validity period. No reference to the Expert Appraisal Committee or State Level Expert Appraisal Committee concerned is necessary in such cases.

12. Operation of EIA Notification, 1994, till disposal of pending cases:

From the date of final publication of this notification the Environment Impact Assessment (EIA) notification number S.O.60 (E) dated 27th January, 1994 is hereby superseded, except in suppression of the things done or omitted to be done before such suppression to the extent that in case of all or some types of applications made for prior environmental clearance and pending on the date of final publication of this notification, the Central Government may relax any one or all provisions of this notification except the list of the projects or activities requiring prior environmental clearance in Schedule I, or continue operation of some or all provisions of the said notification, for a period not exceeding one year from the date of issue of this notification.


(R.CHANDRAMOHAN)
JOINT SECRETARY TO THE GOVERNMENT OF INDIA
# SCHEDULE

(See paragraph 2 and 7)

## LIST OF PROJECTS OR ACTIVITIES REQUIRING PRIOR ENVIRONMENTAL CLEARANCE

<table>
<thead>
<tr>
<th>Project or Activity</th>
<th>Category with threshold limit</th>
<th>Conditions if any</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Category with threshold limit</td>
<td>Conditions if any</td>
</tr>
<tr>
<td>1</td>
<td>Mining, extraction of natural resources and power generation (for a specified production capacity)</td>
<td></td>
</tr>
<tr>
<td>(1)</td>
<td>(2)</td>
<td>(3)</td>
</tr>
<tr>
<td>1(a)</td>
<td>Mining of minerals</td>
<td>≥ 50 ha. of mining lease area</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Asbestos mining irrespective of mining area</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&lt;50 ha. of mining lease area.</td>
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<tr>
<td></td>
<td></td>
<td>General Condition shall apply</td>
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<tr>
<td></td>
<td></td>
<td>Note Mineral prospecting (not involving drilling) are exempted provided the concession areas have got previous clearance for physical survey</td>
</tr>
<tr>
<td>1(b)</td>
<td>Offshore and onshore oil and gas exploration, development &amp; production</td>
<td>All projects</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Note Exploration Surveys (not involving drilling) are exempted provided the concession areas have got previous clearance for physical survey</td>
</tr>
<tr>
<td>1(c)</td>
<td>River Valley projects</td>
<td>(i) ≥ 50 MW hydroelectric power generation;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(ii) ≥ 10,000 ha. of culturable command area</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(i) &lt; 50 MW ≥ 25 MW hydroelectric power generation;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(ii) &lt; 10,000 ha. of culturable command area</td>
</tr>
<tr>
<td></td>
<td></td>
<td>General Condition shall apply</td>
</tr>
<tr>
<td>1(d)</td>
<td>Thermal Power Plants</td>
<td>≥ 500 MW (coal/lignite/naptha &amp; gas based);</td>
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<tr>
<td></td>
<td></td>
<td>≥ 50 MW (Pet coke diesel and all other fuels -)</td>
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<tr>
<td></td>
<td></td>
<td>&lt; 500 MW (coal/lignite/naptha &amp; gas based);</td>
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<tr>
<td></td>
<td></td>
<td>&lt;50 MW ≥ 5MW (Pet coke, diesel and all other fuels )</td>
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<td></td>
<td></td>
<td>General Condition shall apply</td>
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<td>(1)</td>
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</tr>
<tr>
<td>1(e)</td>
<td>Nuclear power projects and processing of nuclear fuel</td>
<td>All projects</td>
</tr>
<tr>
<td>2</td>
<td><strong>Primary Processing</strong></td>
<td></td>
</tr>
<tr>
<td>2(a)</td>
<td>Coal washeries</td>
<td>≥ 1 million ton/annum throughput of coal</td>
</tr>
<tr>
<td>2 (b)</td>
<td>Mineral beneficiation</td>
<td>≥ 0.1 million ton/annum mineral throughput</td>
</tr>
<tr>
<td>(1)</td>
<td>(2)</td>
<td>Materials Production</td>
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<tr>
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</tr>
<tr>
<td>3(a)</td>
<td>Metallurgical industries (ferrous &amp; non ferrous)</td>
<td>a) Primary metallurgical industry: All projects. &lt;br&gt;b) Sponge iron manufacturing ≥ 200 TPD. &lt;br&gt;c) Secondary metallurgical processing industry: All toxic and heavy metal producing units ≥ 20,000 tonnes/annum.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sponge iron manufacturing &lt; 200 TPD. Secondary metallurgical processing industry.</td>
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<tr>
<td></td>
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<td>General Condition shall apply for Sponge iron manufacturing.</td>
</tr>
<tr>
<td>3(b)</td>
<td>Cement plants</td>
<td>≥ 1.0 million tonnes/annum production capacity. &lt;br&gt;&lt;1.0 million tonnes/annum production capacity. All Stand alone grinding units.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>General Condition shall apply.</td>
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<td></td>
<td>Materials Processing</td>
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<td>4</td>
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<td>(1)</td>
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<td>(3)</td>
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<tr>
<td>4(a)</td>
<td>Petroleum refining industry</td>
<td>All projects</td>
</tr>
<tr>
<td>4(b)</td>
<td>Coke oven plants</td>
<td>≥2,50,000 tonnes/annum</td>
</tr>
<tr>
<td>4(c)</td>
<td>Asbestos milling and asbestos based products</td>
<td>All projects</td>
</tr>
<tr>
<td>4(d)</td>
<td>Chlor-alkali industry</td>
<td>≥300 TPD production capacity or a unit located outside the notified industrial area/estate</td>
</tr>
<tr>
<td></td>
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<tr>
<td>4(e)</td>
<td>Soda ash Industry</td>
<td>All projects</td>
</tr>
<tr>
<td>4(f)</td>
<td>Leather/skin/hide processing industry</td>
<td>New projects outside the industrial area or expansion of existing units outside the industrial area</td>
</tr>
<tr>
<td>5</td>
<td>Manufacturing/Fabrication</td>
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</tr>
<tr>
<td>5(a)</td>
<td>Chemical fertilizers</td>
<td>All projects</td>
</tr>
<tr>
<td>5(b)</td>
<td>Pesticides industry and pesticide specific intermediates (excluding formulations)</td>
<td>All units producing technical grade pesticides</td>
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<tr>
<td><strong>5(c)</strong></td>
<td>Petro-chemical complexes (industries based on processing of petroleum fractions &amp; natural gas and/or reforming to aromatics)</td>
<td>All projects</td>
</tr>
<tr>
<td><strong>5(d)</strong></td>
<td>Manmade fibres manufacturing</td>
<td>Rayon</td>
</tr>
<tr>
<td><strong>5(e)</strong></td>
<td>Petrochemical based processing (processes other than cracking &amp; reformation and not covered under the complexes)</td>
<td>Located out side the notified industrial area/ estate</td>
</tr>
<tr>
<td><strong>5(f)</strong></td>
<td>Synthetic organic chemicals industry (dyes &amp; dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)</td>
<td>Located out side the notified industrial area/ estate</td>
</tr>
</tbody>
</table>
| **5(g)** | Distilleries | (i) All Molasses based distilleries  
(ii) All Cane juice/ non-molasses based distilleries ≥30 KLD | All Cane juice/non-molasses based distilleries <30 KLD | General Condition shall apply | |
<p>| <strong>5(h)</strong> | Integrated paint industry | - | All projects | General Condition shall apply | |</p>
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<tbody>
<tr>
<td><strong>5(i)</strong></td>
<td>Pulp &amp; paper industry excluding manufacturing of paper from waste paper and manufacture of paper from ready pulp with out bleaching</td>
<td>Pulp manufacturing and Pulp &amp; Paper manufacturing industry</td>
<td>Paper manufacturing industry without pulp manufacturing</td>
<td>General Condition shall apply</td>
</tr>
<tr>
<td><strong>5(j)</strong></td>
<td>Sugar Industry</td>
<td>-</td>
<td>-</td>
<td>≥ 5000 tcd cane crushing capacity</td>
</tr>
<tr>
<td><strong>5(k)</strong></td>
<td>Induction/arc furnaces/cupola furnaces 5TPH or more</td>
<td>-</td>
<td>-</td>
<td>All projects</td>
</tr>
<tr>
<td><strong>6</strong></td>
<td>Service Sectors</td>
<td></td>
<td></td>
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<tr>
<td><strong>6(a)</strong></td>
<td>Oil &amp; gas transportation pipe line (crude and refinery/ petrochemical products), passing through national parks /sanctuaries/coral reefs /ecologically sensitive areas including LNG Terminal</td>
<td>All projects</td>
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<tr>
<td><strong>6(b)</strong></td>
<td>Isolated storage &amp; handling of hazardous chemicals (As per threshold planning quantity indicated in column 3 of schedule 2 &amp; 3 of MSIHC Rules 1989 amended 2000)</td>
<td>-</td>
<td>All projects</td>
<td></td>
</tr>
<tr>
<td><strong>7</strong></td>
<td><strong>Physical Infrastructure including Environmental Services</strong></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td><strong>7(a)</strong></td>
<td>Air ports</td>
<td>All projects</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td><strong>7(b)</strong></td>
<td>All ship breaking yards including ship breaking units</td>
<td>All projects</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td><strong>7(c)</strong></td>
<td>Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes.</td>
<td>If at least one industry in the proposed industrial estate falls under the Category A, entire industrial area shall be treated as Category A, irrespective of the area. Industrial estates with area greater than 500 ha. and housing at least one Category B industry.</td>
<td>-</td>
<td>Industrial estates housing at least one Category B industry and area &lt;500 ha.</td>
</tr>
<tr>
<td><strong>7(d)</strong></td>
<td>Common hazardous waste treatment, storage and disposal facilities (TSDFs)</td>
<td>All integrated facilities having incineration &amp; landfill or incineration alone</td>
<td>All facilities having landfill only</td>
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<tr>
<td><strong>7(e)</strong></td>
<td>Ports, Harbours</td>
<td>≥ 5 million TPA of cargo handling capacity (excluding fishing harbours)</td>
<td>&lt; 5 million TPA of cargo handling capacity and/or ports/ harbours ≥10,000 TPA of fish handling capacity</td>
<td>General Condition shall apply</td>
</tr>
<tr>
<td><strong>7(f)</strong></td>
<td>Highways</td>
<td>i) New National High ways; and ii) Expansion of National High ways greater than 30 KM, involving additional right of way greater than 20m involving land acquisition and passing through more than one State.</td>
<td>i) New State High ways; and ii) Expansion of National / State Highways greater than 30 km involving additional right of way greater than 20m involving land acquisition.</td>
<td>General Condition shall apply</td>
</tr>
<tr>
<td><strong>7(g)</strong></td>
<td>Aerial ropeways</td>
<td>All projects</td>
<td>General Condition shall apply</td>
<td></td>
</tr>
<tr>
<td><strong>7(h)</strong></td>
<td>Common Effluent Treatment Plants (CETPs)</td>
<td>All projects</td>
<td>General Condition shall apply</td>
<td></td>
</tr>
<tr>
<td><strong>7(i)</strong></td>
<td>Common Municipal Solid Waste Management Facility (CMSWMF)</td>
<td>All projects</td>
<td>General Condition shall apply</td>
<td></td>
</tr>
</tbody>
</table>
### Building /Construction projects/Area Development projects and Townships

<table>
<thead>
<tr>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Building and Construction projects</td>
<td>≥20000 sq.mtrs and &lt;1,50,000 sq.mtrs. of built-up area#</td>
<td>#(built up area for covered construction; in the case of facilities open to the sky, it will be the activity area)</td>
<td></td>
</tr>
<tr>
<td>8(a)</td>
<td>Townships and Area Development projects.</td>
<td>Covering an area ≥ 50 ha and or built up area ≥1,50,000 sq.mtrs ++</td>
<td><strong>All projects under Item 8(b) shall be appraised as Category B1</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Note:-**

**General Condition (GC):**

Any project or activity specified in Category ‘B’ will be treated as Category A, if located in whole or in part within 10 km from the boundary of: (i) Protected Areas notified under the Wild Life (Protection) Act, 1972, (ii) Critically Polluted areas as notified by the Central Pollution Control Board from time to time, (iii) Notified Eco-sensitive areas, (iv) inter-State boundaries and international boundaries.

**Specific Condition (SC):**

If any Industrial Estate/Complex / Export processing Zones /Special Economic Zones/Biotech Parks / Leather Complex with homogeneous type of industries such as Items 4(d), 4(f), 5(e), 5(f), or those Industrial estates with pre-defined set of activities (not necessarily homogeneous, obtains prior environmental clearance, individual industries including proposed industrial housing within such estates/complexes will not be required to take prior environmental clearance, so long as the Terms and Conditions for the industrial estate/complex are complied with (Such estates/complexes must have a clearly identified management with the legal responsibility of ensuring adherence to the Terms and Conditions of prior environmental clearance, who may be held responsible for violation of the same throughout the life of the complex/estate).
APPENDIX I

(See paragraph – 6)

FORM 1

(I) Basic Information

Name of the Project:

Location / site alternatives under consideration:

Size of the Project: *

Expected cost of the project:

Contact Information:

Screening Category:

- Capacity corresponding to sectoral activity (such as production capacity for manufacturing, mining lease area and production capacity for mineral production, area for mineral exploration, length for linear transport infrastructure, generation capacity for power generation etc.,)

(II) Activity

1. Construction, operation or decommissioning of the Project involving actions, which will cause physical changes in the locality (topography, land use, changes in water bodies, etc.)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Information/Checklist confirmation</th>
<th>Yes/No</th>
<th>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.1</td>
<td>Permanent or temporary change in land use, land cover or topography including increase in intensity of land use (with respect to local land use plan)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.2</td>
<td>Clearance of existing land, vegetation and buildings?</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.3</td>
<td>Creation of new land uses?</td>
<td></td>
<td></td>
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<tr>
<td>1.4</td>
<td>Pre-construction investigations e.g. bore houses, soil testing?</td>
<td></td>
<td></td>
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<tr>
<td>1.5</td>
<td>Construction works?</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 Offshore structures?
1.13 Production and manufacturing processes?
1.14 Facilities for storage of goods or materials?
1.15 Facilities for treatment or disposal of solid waste or liquid effluents?
1.16 Facilities for long term housing of operational workers?
1.17 New road, rail or sea traffic during construction or operation?
1.18 New road, rail, air waterborne or other transport infrastructure including new or altered routes and stations, ports, airports etc?
1.19 Closure or diversion of existing transport routes or infrastructure leading to changes in traffic movements?
1.20 New or diverted transmission lines or pipelines?
1.21 Impoundment, damming, culvering, realignment or other changes to the hydrology of watercourses or aquifers?
1.22 Stream crossings?
1.23 Abstraction or transfers of water from ground or surface waters?
1.24 Changes in water bodies or the land surface affecting drainage or run-off?
1.25 Transport of personnel or materials for construction, operation or decommissioning?

1.26 Long-term dismantling or decommissioning or restoration works?

1.27 Ongoing activity during decommissioning which could have an impact on the environment?

1.28 Influx of people to an area in either temporarily or permanently?

1.29 Introduction of alien species?

1.30 Loss of native species or genetic diversity?

1.31 Any other actions?

2. Use of Natural resources for construction or operation of the Project (such as land, water, materials or energy, especially any resources which are non-renewable or in short supply):

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Information/checklist confirmation</th>
<th>Yes/No</th>
<th>Details thereof (with approximate quantities /rates, wherever possible) with source of information data</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Land especially undeveloped or agricultural land (ha)</td>
<td></td>
<td></td>
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<tr>
<td>2.2</td>
<td>Water (expected source &amp; competing users) unit: KLD</td>
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<tr>
<td>2.3</td>
<td>Minerals (MT)</td>
<td></td>
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<tr>
<td>2.4</td>
<td>Construction material – stone, aggregates, and / soil (expected source – MT)</td>
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<td></td>
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<tr>
<td>2.5</td>
<td>Forests and timber (source – MT)</td>
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<tr>
<td>2.6</td>
<td>Energy including electricity and fuels (source, competing users) Unit: fuel (MT), energy (MW)</td>
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<tr>
<td>2.7</td>
<td>Any other natural resources (use appropriate standard units)</td>
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</tbody>
</table>
3. 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.

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Information/Checklist confirmation</th>
<th>Yes/No</th>
<th>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</th>
</tr>
</thead>
<tbody>
<tr>
<td>3.1</td>
<td>Use of substances or materials, which are hazardous (as per MSIHC rules) to human health or the environment (flora, fauna, and water supplies)</td>
<td></td>
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<tr>
<td>3.2</td>
<td>Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)</td>
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<tr>
<td>3.3</td>
<td>Affect the welfare of people e.g. by changing living conditions?</td>
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<tr>
<td>3.4</td>
<td>Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,</td>
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<tr>
<td>3.5</td>
<td>Any other causes</td>
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</tbody>
</table>

4. Production of solid wastes during construction or operation or decommissioning (MT/month)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Information/Checklist confirmation</th>
<th>Yes/No</th>
<th>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</th>
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</thead>
<tbody>
<tr>
<td>4.1</td>
<td>Spoil, overburden or mine wastes</td>
<td></td>
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</tr>
<tr>
<td>4.2</td>
<td>Municipal waste (domestic and or commercial wastes)</td>
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<td>4.3</td>
<td>Hazardous wastes (as per Hazardous Waste Management Rules)</td>
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<tr>
<td>S.No.</td>
<td>Information/Checklist confirmation</td>
<td>Yes/No</td>
<td>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</td>
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<tr>
<td>4.4</td>
<td>Other industrial process wastes</td>
<td></td>
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<td>4.5</td>
<td>Surplus product</td>
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<td>4.6</td>
<td>Sewage sludge or other sludge from effluent treatment</td>
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<td>4.7</td>
<td>Construction or demolition wastes</td>
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<td>4.8</td>
<td>Redundant machinery or equipment</td>
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<td>4.9</td>
<td>Contaminated soils or other materials</td>
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<tr>
<td>4.10</td>
<td>Agricultural wastes</td>
<td></td>
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<tr>
<td>4.11</td>
<td>Other solid wastes</td>
<td></td>
<td></td>
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</tbody>
</table>

5. Release of pollutants or any hazardous, toxic or noxious substances to air (Kg/hr)

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Information/Checklist confirmation</th>
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</thead>
<tbody>
<tr>
<td>5.1</td>
<td>Emissions from combustion of fossil fuels from stationary or mobile sources</td>
</tr>
<tr>
<td>5.2</td>
<td>Emissions from production processes</td>
</tr>
<tr>
<td>5.3</td>
<td>Emissions from materials handling including storage or transport</td>
</tr>
<tr>
<td>5.4</td>
<td>Emissions from construction activities including plant and equipment</td>
</tr>
<tr>
<td>5.5</td>
<td>Dust or odours from handling of materials including construction materials, sewage and waste</td>
</tr>
</tbody>
</table>
5.6 Emissions from incineration of waste
5.7 Emissions from burning of waste in open air (e.g. slash materials, construction debris)
5.8 Emissions from any other sources

6. Generation of Noise and Vibration, and Emissions of Light and Heat:

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<thead>
<tr>
<th>S.No.</th>
<th>Information/Checklist confirmation</th>
<th>Yes/No</th>
<th>Details thereof (with approximate quantities/rates, wherever possible) with source of information data with source of information data</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.1</td>
<td>From operation of equipment e.g. engines, ventilation plant, crushers</td>
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<tr>
<td>6.2</td>
<td>From industrial or similar processes</td>
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<td>6.3</td>
<td>From construction or demolition</td>
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<td>6.4</td>
<td>From blasting or piling</td>
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<tr>
<td>6.5</td>
<td>From construction or operational traffic</td>
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<tr>
<td>6.6</td>
<td>From lighting or cooling systems</td>
<td></td>
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<tr>
<td>6.7</td>
<td>From any other sources</td>
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</tbody>
</table>
7. Risks of contamination of land or water from releases of pollutants into the ground or into sewers, surface waters, groundwater, coastal waters or the sea:

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<thead>
<tr>
<th>S.No.</th>
<th>Information/Checklist confirmation</th>
<th>Yes/No</th>
<th>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</th>
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</thead>
<tbody>
<tr>
<td>7.1</td>
<td>From handling, storage, use or spillage of hazardous materials</td>
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<tr>
<td>7.2</td>
<td>From discharge of sewage or other effluents to water or the land (expected mode and place of discharge)</td>
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<tr>
<td>7.3</td>
<td>By deposition of pollutants emitted to air into the land or into water</td>
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<tr>
<td>7.4</td>
<td>From any other sources</td>
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<tr>
<td>7.5</td>
<td>Is there a risk of long term build up of pollutants in the environment from these sources?</td>
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</table>

8. Risk of accidents during construction or operation of the Project, which could affect human health or the environment

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<tr>
<th>S.No.</th>
<th>Information/Checklist confirmation</th>
<th>Yes/No</th>
<th>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</th>
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</thead>
<tbody>
<tr>
<td>8.1</td>
<td>From explosions, spillages, fires etc from storage, handling, use or production of hazardous substances</td>
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<tr>
<td>8.2</td>
<td>From any other causes</td>
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<tr>
<td>8.3</td>
<td>Could the project be affected by natural disasters causing environmental damage (e.g. floods, earthquakes, landslides, cloudburst etc)?</td>
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</tbody>
</table>
9. 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

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<tr>
<th>S. No.</th>
<th>Information/Checklist confirmation</th>
<th>Yes/No</th>
<th>Details thereof (with approximate quantities/rates, wherever possible) with source of information data</th>
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</thead>
</table>
| 9.1    | Lead to development of supporting, 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 |        |                                                                                                  |
| 9.2    | Lead to after-use of the site, which could have an impact on the environment |        |                                                                                                  |
| 9.3    | Set a precedent for later developments |        |                                                                                                  |
| 9.4    | Have cumulative effects due to proximity to other existing or planned projects with similar effects |        |                                                                                                  |

(III) Environmental Sensitivity

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Areas</th>
<th>Name/Identity</th>
<th>Aerial distance (within 15 km.) Proposed project location boundary</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value</td>
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</tr>
</tbody>
</table>
2. Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests

3. Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, over wintering, migration

4. Inland, coastal, marine or underground waters

5. State, National boundaries

6. Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas

7. Defence installations

8. Densely populated or built-up area

9. Areas occupied by sensitive man-made land uses (hospitals, schools, places of worship, community facilities)

10. Areas containing important, high quality or scarce resources (ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)

11. Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)

12. Areas susceptible to natural hazard which could cause the project to present environmental problems (earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)

(IV). Proposed Terms of Reference for EIA studies
APPENDIX II

(See paragraph 6)

FORM-1 A (only for construction projects listed under item 8 of the Schedule)

CHECK LIST OF ENVIRONMENTAL IMPACTS

(Project proponents are required to provide full information and wherever necessary attach explanatory notes with the Form and submit along with proposed environmental management plan & monitoring programme)

1. LAND ENVIRONMENT

(Attach panoramic view of the project site and the vicinity)

1.1. Will the existing landuse get significantly altered from the project that is not consistent with the surroundings? (Proposed landuse must conform to the approved Master Plan / Development Plan of the area. Change of landuse if any and the statutory approval from the competent authority be submitted). Attach Maps of (i) site location, (ii) surrounding features of the proposed site (within 500 meters) and (iii) the site (indicating levels & contours) to appropriate scales. If not available attach only conceptual plans.

1.2. List out all the major project requirements in terms of the land area, built up area, water consumption, power requirement, connectivity, community facilities, parking needs etc.

1.3. What are the likely impacts of the proposed activity on the existing facilities adjacent to the proposed site? (Such as open spaces, community facilities, details of the existing landuse, disturbance to the local ecology).

1.4. Will there be any significant land disturbance resulting in erosion, subsidence & instability? (Details of soil type, slope analysis, vulnerability to subsidence, seismicity etc may be given).

1.5. Will the proposal involve alteration of natural drainage systems? (Give details on a contour map showing the natural drainage near the proposed project site)

1.6. What are the quantities of earthwork involved in the construction activity-cutting, filling, reclamation etc. (Give details of the quantities of earthwork involved, transport of fill materials from outside the site etc.)

1.7. Give details regarding water supply, waste handling etc during the construction period.

1.8. Will the low lying areas & wetlands get altered? (Provide details of how low lying and wetlands are getting modified from the proposed activity)

1.9. Whether construction debris & waste during construction cause health hazard? (Give quantities of various types of wastes generated during construction including the construction labour and the means of disposal)

2. WATER ENVIRONMENT

2.1. Give the total quantity of water requirement for the proposed project with the breakup of requirements for various uses. How will the water requirement met? State the sources & quantities and furnish a water balance statement.
2.2. What is the capacity (dependable flow or yield) of the proposed source of water?

2.3. What is the quality of water required, in case, the supply is not from a municipal source? (Provide physical, chemical, biological characteristics with class of water quality)

2.4. How much of the water requirement can be met from the recycling of treated wastewater? (Give the details of quantities, sources and usage)

2.5. Will there be diversion of water from other users? (Please assess the impacts of the project on other existing uses and quantities of consumption)

2.6. What is the incremental pollution load from wastewater generated from the proposed activity? (Give details of the quantities and composition of wastewater generated from the proposed activity)

2.7. Give details of the water requirements met from water harvesting? Furnish details of the facilities created.

2.8. What would be the impact of the land use changes occurring due to the proposed project on the runoff characteristics (quantitative as well as qualitative) of the area in the post construction phase on a long term basis? Would it aggravate the problems of flooding or water logging in any way?

2.9. What are the impacts of the proposal on the ground water? (Will there be tapping of ground water; give the details of ground water table, recharging capacity, and approvals obtained from competent authority, if any)

2.10. What precautions/measures are taken to prevent the run-off from construction activities polluting land & aquifers? (Give details of quantities and the measures taken to avoid the adverse impacts)

2.11. How is the storm water from within the site managed? (State the provisions made to avoid flooding of the area, details of the drainage facilities provided along with a site layout indication contour levels)

2.12. Will the deployment of construction labourers particularly in the peak period lead to unsanitary conditions around the project site (Justify with proper explanation)

2.13. What on-site facilities are provided for the collection, treatment & safe disposal of sewage? (Give details of the quantities of wastewater generation, treatment capacities with technology & facilities for recycling and disposal)

2.14. Give details of dual plumbing system if treated waste used is used for flushing of toilets or any other use.

3. VEGETATION

3.1. Is there any threat of the project to the biodiversity? (Give a description of the local ecosystem with it's unique features, if any)
3.2. Will the construction involve extensive clearing or modification of vegetation? (Provide a detailed account of the trees & vegetation affected by the project)

3.3. What are the measures proposed to be taken to minimize the likely impacts on important site features (Give details of proposal for tree plantation, landscaping, creation of water bodies etc along with a layout plan to an appropriate scale)

4. FAUNA

4.1. Is there likely to be any displacement of fauna- both terrestrial and aquatic or creation of barriers for their movement? Provide the details.

4.2. Any direct or indirect impacts on the avifauna of the area? Provide details.

4.3. Prescribe measures such as corridors, fish ladders etc to mitigate adverse impacts on fauna

5. AIR ENVIRONMENT

5.1. Will the project increase atmospheric concentration of gases & result in heat islands? (Give details of background air quality levels with predicted values based on dispersion models taking into account the increased traffic generation as a result of the proposed constructions)

5.2. What are the impacts on generation of dust, smoke, odorous fumes or other hazardous gases? Give details in relation to all the meteorological parameters.

5.3. Will the proposal create shortage of parking space for vehicles? Furnish details of the present level of transport infrastructure and measures proposed for improvement including the traffic management at the entry & exit to the project site.

5.4. Provide details of the movement patterns with internal roads, bicycle tracks, pedestrian pathways, footpaths etc., with areas under each category.

5.5. Will there be significant increase in traffic noise & vibrations? Give details of the sources and the measures proposed for mitigation of the above.

5.6. What will be the impact of DG sets & other equipment on noise levels & vibration in & ambient air quality around the project site? Provide details.

6. AESTHETICS

6.1. Will the proposed constructions in any way result in the obstruction of a view, scenic amenity or landscapes? Are these considerations taken into account by the proponents?

6.2. Will there be any adverse impacts from new constructions on the existing structures? What are the considerations taken into account?

6.3. Whether there are any local considerations of urban form & urban design influencing the design criteria? They may be explicitly spelt out.

6.4. Are there any anthropological or archaeological sites or artefacts nearby? State if any other significant features in the vicinity of the proposed site have been considered.

7. SOCIO-ECONOMIC ASPECTS

7.1. Will the proposal result in any changes to the demographic structure of local population? Provide the details.
7.2. Give details of the existing social infrastructure around the proposed project.
7.3. Will the project cause adverse effects on local communities, disturbance to sacred sites or other cultural values? What are the safeguards proposed?

8. BUILDING MATERIALS

8.1. May involve the use of building materials with high-embodied energy. Are the construction materials produced with energy efficient processes? (Give details of energy conservation measures in the selection of building materials and their energy efficiency)

8.2. Transport and handling of materials during construction may result in pollution, noise & public nuisance. What measures are taken to minimize the impacts?

8.3. Are recycled materials used in roads and structures? State the extent of savings achieved?

8.4. Give details of the methods of collection, segregation & disposal of the garbage generated during the operation phases of the project.

9. ENERGY CONSERVATION

9.1. Give details of the power requirements, source of supply, backup source etc. What is the energy consumption assumed per square foot of built-up area? How have you tried to minimize energy consumption?

9.2. What type of, and capacity of, power back-up to you plan to provide?

9.3. What are the characteristics of the glass you plan to use? Provide specifications of its characteristics related to both short wave and long wave radiation?

9.4. What passive solar architectural features are being used in the building? Illustrate the applications made in the proposed project.

9.5. Does the layout of streets & buildings maximise the potential for solar energy devices? Have you considered the use of street lighting, emergency lighting and solar hot water systems for use in the building complex? Substantiate with details.

9.6. Is shading effectively used to reduce cooling/heating loads? What principles have been used to maximize the shading of Walls on the East and the West and the Roof? How much energy saving has been effected?


9.8. What are the likely effects of the building activity in altering the micro-climates? Provide a self assessment on the likely impacts of the proposed construction on creation of heat island & inversion effects?
9.9. What are the thermal characteristics of the building envelope? (a) roof; (b) external walls; and (c) fenestration? Give details of the material used and the U-values or the R values of the individual components.

9.10. What precautions & safety measures are proposed against fire hazards? Furnish details of emergency plans.

9.11. If you are using glass as wall material provides details and specifications including emissivity and thermal characteristics.

9.12. What is the rate of air infiltration into the building? Provide details of how you are mitigating the effects of infiltration.

9.13. To what extent the non-conventional energy technologies are utilised in the overall energy consumption? Provide details of the renewable energy technologies used.

10. Environment Management Plan

The Environment Management Plan would consist of all mitigation measures for each item wise activity to be undertaken during the construction, operation and the entire life cycle to minimize adverse environmental impacts as a result of the activities of the project. It would also delineate the environmental monitoring plan for compliance of various environmental regulations. It will state the steps to be taken in case of emergency such as accidents at the site including fire.
APPENDIX III

(See paragraph 7

GENERIC STRUCTURE OF ENVIRONMENTAL IMPACT ASSESSMENT DOCUMENT

<table>
<thead>
<tr>
<th>S.NO</th>
<th>EIA STRUCTURE</th>
<th>CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Introduction</td>
<td>• Purpose of the report</td>
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<tr>
<td></td>
<td></td>
<td>• Identification of project &amp; project proponent</td>
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<td></td>
<td></td>
<td>• Brief description of nature, size, location of the project and its importance to the country, region</td>
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<td>• Scope of the study – details of regulatory scoping carried out (As per Terms of Reference)</td>
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<tr>
<td>2.</td>
<td>Project Description</td>
<td>• Condensed description of those aspects of the project (based on project feasibility study), likely to cause environmental effects. Details should be provided to give clear picture of the following:</td>
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<td>• Type of project</td>
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<td>• Need for the project</td>
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<td>• Location (maps showing general location, specific location, project boundary &amp; project site layout)</td>
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<td>• Size or magnitude of operation (incl. Associated activities required by or for the project)</td>
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<td>• Proposed schedule for approval and implementation</td>
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<td>• Technology and process description</td>
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<td></td>
<td>• Project description. Including drawings showing project layout, components of project etc. Schematic representations of the feasibility drawings which give information important for EIA purpose</td>
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<td>• Description of mitigation measures incorporated into the project to meet environmental standards, environmental operating conditions, or other EIA requirements (as required by the scope)</td>
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<td>• Assessment of New &amp; untested technology for the risk of technological failure</td>
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<td>Description of the Environment</td>
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<td>• Study area, period, components &amp; methodology</td>
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<td>• Establishment of baseline for valued environmental components, as identified in the scope</td>
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<td>• Base maps of all environmental components</td>
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<th></th>
<th>Anticipated Environmental Impacts &amp; Mitigation Measures</th>
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<tbody>
<tr>
<td></td>
<td>• Details of Investigated Environmental impacts due to project location, possible accidents, project design, project construction, regular operations, final decommissioning or rehabilitation of a completed project</td>
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<tr>
<td></td>
<td>• Measures for minimizing and / or offsetting adverse impacts identified</td>
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<td></td>
<td>• Irreversible and Irretrievable commitments of environmental components</td>
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<td></td>
<td>• Assessment of significance of impacts (Criteria for determining significance, Assigning significance)</td>
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<td>• Mitigation measures</td>
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<th>Analysis of Alternatives (Technology &amp; Site)</th>
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<td>• In case, the scoping exercise results in need for alternatives:</td>
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<tr>
<td></td>
<td>• Description of each alternative</td>
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<tr>
<td></td>
<td>• Summary of adverse impacts of each alternative</td>
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<td></td>
<td>• Mitigation measures proposed for each alternative and</td>
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<td></td>
<td>• Selection of alternative</td>
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<tr>
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<th>Environmental Monitoring Program</th>
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<tr>
<td></td>
<td>• Technical aspects of monitoring the effectiveness of mitigation measures (incl. Measurement methodologies, frequency, location, data analysis, reporting schedules, emergency procedures, detailed budget &amp; procurement schedules)</td>
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<th>Additional Studies</th>
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<tbody>
<tr>
<td></td>
<td>• Public Consultation</td>
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<td>• Risk assessment</td>
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<td></td>
<td>• Social Impact Assessment, R&amp;R Action Plans</td>
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<th>Project Benefits</th>
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<td></td>
<td>• Improvements in the physical infrastructure</td>
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<td>• Improvements in the social infrastructure</td>
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<td>• Employment potential –skilled; semi-skilled and unskilled</td>
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<tr>
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<td>• Other tangible benefits</td>
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<td></td>
<td>Environmental Cost Benefit Analysis</td>
<td>If recommended at the Scoping stage</td>
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<td>9</td>
<td>EMP</td>
<td>• Description of the administrative aspects of ensuring that mitigative measures are implemented and their effectiveness monitored, after approval of the EIA</td>
</tr>
</tbody>
</table>
| 10| Summary & Conclusion (This will constitute the summary of the EIA Report) | • Overall justification for implementation of the project  
  • Explanation of how, adverse effects have been mitigated |
| 11| Disclosure of Consultants engaged    | • The names of the Consultants engaged with their brief resume and nature of Consultancy rendered |
APPENDIX III A
(See paragraph 7)

CONTENTS OF SUMMARY ENVIRONMENTAL IMPACT ASSESSMENT

The Summary EIA shall be a summary of the full EIA Report condensed to ten A-4 size pages at the maximum. It should necessarily cover in brief the following Chapters of the full EIA Report:

1. Project Description
2. Description of the Environment
3. Anticipated Environmental impacts and mitigation measures
4. Environmental Monitoring Programme
5. Additional Studies
6. Project Benefits
7. Environment Management Plan
APPENDIX IV

PROCEDURE FOR CONDUCT OF PUBLIC HEARING

1.0 The Public Hearing shall be arranged in a systematic, time bound and transparent manner ensuring widest possible public participation at the project site(s) or in its close proximity District-wise, by the concerned State Pollution Control Board (SPCB) or the Union Territory Pollution Control Committee (UTPCC).

2.0 The Process:

2.1 The Applicant shall make a request through a simple letter to the Member Secretary of the SPCB or Union Territory Pollution Control Committee, in whose jurisdiction the project is located, to arrange the public hearing within the prescribed statutory period. In case the project site is extending beyond a State or Union Territory, the public hearing is mandated in each State or Union Territory in which the project is sited and the Applicant shall make separate requests to each concerned SPCB or UTPCC for holding the public hearing as per this procedure.

2.2 The Applicant shall enclose with the letter of request, at least 10 hard copies and an equivalent number of soft (electronic) copies of the draft EIA Report with the generic structure given in Appendix III including the Summary Environment Impact Assessment report in English and in the local language, prepared strictly in accordance with the Terms of Reference communicated after Scoping (Stage-2). Simultaneously the applicant shall arrange to forward copies, one hard and one soft, of the above draft EIA Report along with the Summary EIA report to the Ministry of Environment and Forests and to the following authorities or offices, within whose jurisdiction the project will be located:

(a) District Magistrate/s
(b) Zila Parishad or Municipal Corporation
(c) District Industries Office
(d) Concerned Regional Office of the Ministry of Environment and Forests

2.3 On receiving the draft Environmental Impact Assessment report, the above-mentioned authorities except the MoEF, shall arrange to widely publicize it within their respective jurisdictions requesting the interested persons to send their comments to the concerned regulatory authorities. They shall also make available the draft EIA Report for inspection electronically or otherwise to the public during normal office hours till the Public Hearing is over. The Ministry of Environment and Forests shall promptly display the Summary of the draft Environmental Impact Assessment report on its website, and also make the full draft EIA available for reference at a notified place during normal office hours in the Ministry at Delhi.

2.4 The SPCB or UTPCC concerned shall also make similar arrangements for giving publicity about the project within the State/Union Territory and make available the Summary of the draft Environmental Impact Assessment report (Appendix III A) for inspection in select offices or public libraries or panchayats etc. They shall also additionally
make available a copy of the draft Environmental Impact Assessment report to the above five authorities/offices viz, Ministry of Environment and Forests, District Magistrate etc.

3.0 Notice of Public Hearing:

3.1 The Member-Secretary of the concerned SPCB or UTPCC shall finalize the date, time and exact venue for the conduct of public hearing within 7(seven) days of the date of receipt of the draft Environmental Impact Assessment report from the project proponent, and advertise the same in one major National Daily and one Regional vernacular Daily. A minimum notice period of 30(thirty) days shall be provided to the public for furnishing their responses;

3.2 The advertisement shall also inform the public about the places or offices where the public could access the draft Environmental Impact Assessment report and the Summary Environmental Impact Assessment report before the public hearing.

3.3 No postponement of the date, time, venue of the public hearing shall be undertaken, unless some untoward emergency situation occurs and only on the recommendation of the concerned District Magistrate the postponement shall be notified to the public through the same National and Regional vernacular dailies and also prominently displayed at all the identified offices by the concerned SPCB or Union Territory Pollution Control Committee;

3.4 In the above exceptional circumstances fresh date, time and venue for the public consultation shall be decided by the Member –Secretary of the concerned SPCB or UTPCC only in consultation with the District Magistrate and notified afresh as per procedure under 3.1 above.

4.0 The Panel

4.1 The District Magistrate or his or her representative not below the rank of an Additional District Magistrate assisted by a representative of SPCB or UTPCC, shall supervise and preside over the entire public hearing process.

5.0 Videography

5.1 The SPCB or UTPCC shall arrange to video film the entire proceedings. A copy of the videotape or a CD shall be enclosed with the public hearing proceedings while forwarding it to the Regulatory Authority concerned.

6.0 Proceedings

6.1 The attendance of all those who are present at the venue shall be noted and annexed with the final proceedings.

6.2 There shall be no quorum required for attendance for starting the proceedings.

6.3 A representative of the applicant shall initiate the proceedings with a presentation on the project and the Summary EIA report.

6.4 Every person present at the venue shall be granted the opportunity to seek information or clarifications on the project from the Applicant. The summary of the public
hearing proceedings accurately reflecting all the views and concerns expressed shall be recorded by the representative of the SPCB or UTPCC and read over to the audience at the end of the proceedings explaining the contents in the vernacular language and the agreed minutes shall be signed by the District Magistrate or his or her representative on the same day and forwarded to the SPCB/UTPCC concerned.

6.5 A Statement of the issues raised by the public and the comments of the Applicant shall also be prepared in the local language and in English and annexed to the proceedings.

6.6 The proceedings of the public hearing shall be conspicuously displayed at the office of the Panchayats within whose jurisdiction the project is located, office of the concerned Zila Parishad, District Magistrate, and the SPCB or UTPCC. The SPCB or UTPCC shall also display the proceedings on its website for general information. Comments, if any, on the proceedings which may be sent directly to the concerned regulatory authorities and the Applicant concerned.

7.0 **Time period for completion of public hearing**

7.1 The public hearing shall be completed within a period of 45 (forty five) days from date of receipt of the request letter from the Applicant. Therefore the SPCB or UTPCC concerned shall sent the public hearing proceedings to the concerned regulatory authority within 8(eight) days of the completion of the public hearing. The applicant may also directly forward a copy of the approved public hearing proceedings to the regulatory authority concerned along with the final Environmental Impact Assessment report or supplementary report to the draft EIA report prepared after the public hearing and public consultations.

7.2 If the SPCB or UTPCC fails to hold the public hearing within the stipulated 45(forty five) days, the Central Government in Ministry of Environment and Forests for Category ‘A’ project or activity and the State Government or Union Territory Administration for Category ‘B’ project or activity at the request of the SEIAA, shall engage any other agency or authority to complete the process, as per procedure laid down in this notification.
PROCEDURE PRESCRIBED FOR APPRAISAL

1. The applicant shall apply to the concerned regulatory authority through a simple communication enclosing the following documents where public consultations are mandatory:
   - Final Environment Impact Assessment Report [20(twenty) hard copies and 1 (one) soft copy]
   - A copy of the video tape or CD of the public hearing proceedings
   - A copy of final layout plan (20 copies)
   - A copy of the project feasibility report (1 copy)

2. The Final EIA Report and the other relevant documents submitted by the applicant shall be scrutinized in office within 30 days from the date of its receipt by the concerned Regulatory Authority strictly with reference to the TOR and the inadequacies noted shall be communicated electronically or otherwise in a single set to the Members of the EAC /SEAC enclosing a copy each of the Final EIA Report including the public hearing proceedings and other public responses received along with a copy of Form -1or Form 1A and scheduled date of the EAC /SEAC meeting for considering the proposal.

3. Where a public consultation is not mandatory and therefore a formal EIA study is not required, the appraisal shall be made on the basis of the prescribed application Form 1 and a pre-feasibility report in the case of all projects and activities other than Item 8 of the Schedule. In the case of Item 8 of the Schedule, considering its unique project cycle, the EAC or SEAC concerned shall appraise all Category B projects or activities on the basis of Form 1, Form 1A and the conceptual plan and stipulate the conditions for environmental clearance. As and when the applicant submits the approved scheme /building plans complying with the stipulated environmental clearance conditions with all other necessary statutory approvals, the EAC /SEAC shall recommend the grant of environmental clearance to the competent authority.

4. Every application shall be placed before the EAC /SEAC and its appraisal completed within 60 days of its receipt with requisite documents / details in the prescribed manner.

5. The applicant shall be informed at least 15 (fifteen) days prior to the scheduled date of the EAC /SEAC meeting for considering the project proposal.

6. The minutes of the EAC /SEAC meeting shall be finalised within 5 working days of the meeting and displayed on the website of the concerned regulatory authority. In case the project or activity is recommended for grant of EC, then the minutes shall clearly list out the specific environmental safeguards and conditions. In case the recommendations are for rejection, the reasons for the same shall also be explicitly stated.
APPENDIX VI
(See paragraph 5)

COMPOSITION OF THE SECTOR/ PROJECT SPECIFIC EXPERT APPRAISAL COMMITTEE (EAC) FOR CATEGORY A PROJECTS AND THE STATE/UT LEVEL EXPERT APPRAISAL COMMITTEES (SEACs) FOR CATEGORY B PROJECTS TO BE CONSTITUTED BY THE CENTRAL GOVERNMENT

1. The Expert Appraisal Committees (EAC(s) and the State/UT Level Expert Appraisal Committees (SEACs) shall consist of only professionals and experts fulfilling the following eligibility criteria:

Professional: 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 disciplines, 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 pass examinations conducted by the concerned professional association (e.g. Chartered Accountancy ),or (v) a University degree , followed by 2 years of formal training in a University or Service Academy (e.g. MBA/IAS/IFS). In selecting the individual professionals, experience gained by them in their respective fields will be taken note of.

Expert: A professional fulfilling the above eligibility criteria with at least 15 years of relevant experience in the field, or with an advanced degree (e.g. Ph.D.) in a concerned field and at least 10 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 a member of the Expert Appraisal Committee may be allowed up to 75 years

2. The Members of the EAC shall be Experts with the requisite expertise and experience in the following fields /disciplines. In the event that persons fulfilling the criteria of “Experts” are not available, Professionals in the same field with sufficient experience may be considered:

- Environment Quality Experts: Experts in measurement/monitoring, analysis and interpretation of data in relation to environmental quality


- Environmental Impact Assessment Process Experts: Experts in conducting and carrying out Environmental Impact Assessments (EIAs) and preparation of Environmental Management Plans (EMPs) and other Management plans and who have wide expertise and knowledge of predictive techniques and tools used in the EIA process

- Risk Assessment Experts

- Life Science Experts in floral and faunal management

- Forestry and Wildlife Experts
• Environmental Economics Expert with experience in project appraisal

3. The Membership of the EAC shall not exceed 15 (fifteen) regular Members. However the Chairperson may co-opt an expert as a Member in a relevant field for a particular meeting of the Committee.

4. The Chairperson shall be an outstanding and experienced environmental policy expert or expert in management or public administration with wide experience in the relevant development sector.

5. The Chairperson shall nominate one of the Members as the Vice Chairperson who shall preside over the EAC in the absence of the Chairman/Chairperson.

6. A representative of the Ministry of Environment and Forests shall assist the Committee as its Secretary.

7. The maximum tenure of a Member, including Chairperson, shall be for 2 (two) terms of 3 (three) years each.

8. The Chairman/Members may not be removed prior to expiry of the tenure without cause and proper enquiry.
10. का.आ. 562(अ) तारीख 26 फ़रवरी 2014;
11. का.आ. 637(अ) तारीख 28 फ़रवरी 2014;
12. का.आ. 1599(अ) तारीख 25 जून 2014;
13. का.आ. 2601(अ) तारीख 7 अक्टूबर 2014;
14. का.आ. 2600(अ) तारीख 9 अक्टूबर 2014
15. का.आ. 3252(अ) तारीख 22 दिसम्बर 2014;
16. का.आ. 382(अ) तारीख 3 फ़रवरी, 2015;
17. का.आ. 811(अ) तारीख 23 मार्च, 2015;
18. का.आ. 996(अ) तारीख 10 अप्रैल 2015;
19. का.आ. 1142(अ) तारीख 17 अप्रैल 2015;
20. का.आ. 1141(अ) तारीख 29 अप्रैल 2015;
21. का.आ. 1834(अ) तारीख 6 जुलाई 2015;

MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
NOTIFICATION

New Delhi, the 15th January, 2016

S.O. 141(E).—Whereas in exercise of the powers conferred by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 (29 of 1986), a draft notification for making certain amendments in the Environment Impact Assessment Notification, 2006, issued vide number S.O. 1533(E), dated the 14th September 2006, was published under sub-rule (3) of rule (5) of the Environment (Protection) Rules, 1986, vide number S.O. 2588(E), dated 22nd September, 2015, inviting objections and suggestions from all persons likely to be affected thereby, within a period of sixty days from the date of publication on which copies of Gazette containing the said notification were available to the public;

And whereas, copies of said notification were made available to the public on 22nd September 2015;

And whereas, all objections and suggestions received in response to the above mentioned draft notification have been duly considered by the Central Government;

And whereas, in pursuance to the order of Hon’ble Supreme Court dated the 27th February, 2012 in I.A. No.12-13 of 2011 in Special Leave Petition (C) No.19628-19629 of 2009, in the matter of Deepak Kumar etc. Vs. State of Haryana and Others etc., prior environmental clearance has now become mandatory for mining of minor minerals irrespective of the area of mining lease;

And whereas, a result of the above said Order of Hon’ble Supreme Court, the number of cases which are now required to obtain prior environmental clearance has increased substantially;

And whereas, the Hon’ble National Green Tribunal, vide its order dated the 13th January, 2015 in the matter regarding sand mining has directed for making a policy on environmental clearance for mining leases in cluster for minor minerals;

And whereas, the State Governments have represented for streamlining the process of environmental clearance for mining of minor mineral;
And whereas, the Ministry of Environment, Forest and Climate Change in consultation with State Governments has prepared Guidelines on Sustainable Sand Mining detailing the provisions on environmental clearance for cluster, creation of District Environment Impact Assessment Authority and proper monitoring of sand mining using information technology and information technology enabled services to track the mined out material from source to destination;

Now, therefore, in exercise of the powers conferred by sub-section (1) and clause (v) of sub-section (2) of section 3 of the Environment (Protection) Act, 1986 read with clause (d) of sub-rule (3) of rule 5 of the Environment (Protection) Rules, 1986, the Central Government hereby makes the following amendments in the said notification, namely:-

In the said notification,-

(a) in paragraph 2, after the words “in the said Schedule”, the following words shall be inserted, namely:-

“and at District level, the District Environment Impact Assessment Authority (DEIAA) for matters falling under Category ‘B2’ for mining of minor minerals in the said Schedule”;

(b) after paragraph 3, the following paragraph shall be inserted, namely:-

“A. District Level Environment Impact Assessment Authority:-

(1) A District Level Environment Impact Assessment Authority hereinafter referred to as the DEIAA shall be constituted by the Central Government under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 comprising of four members including a Chairperson and a Member-Secretary.

(2) The District Magistrate or District Collector shall be the Chairperson of the DEIAA.

(3) The Sub-Divisional Magistrate or Sub-Divisional Officer of the district head quarter of the concerned district of the State shall be the Member-Secretary of the DEIAA.

(4) The other two members of the DEIAA shall be the senior most Divisional Forest Officer and one expert. The expert shall be nominated by the Divisional Commissioner of the Division or Chief Conservator of Forest, as the case may be. The term and qualifications of the expert fulfilling the eligibility criteria are given in Appendix VII to this notification.

(5) The members of the DEIAA who are serving officers of the concerned State Government or the Union territory Administration shall be ex-officio members except the expert member.

(6) The District Level Expert Appraisal Committee hereinafter referred to as the DEAC shall comprise of eleven members, including a Chairman and a Member-Secretary.

(7) The senior most Executive Engineer, Irrigation Department in the district of respective State Governments or Union territory Administration shall be the Chairperson of the DEAC.

(8) The Assistant Director or Deputy Director of the Department of Mines and Geology or District Mines Officer or Geologist of the district shall be the Member-Secretary of the DEAC in that order.

(9) A representative of the State Pollution Control Board or Committee, senior most Sub-Divisional Officer (Forest) in the district, representative of Remote Sensing Department or Geology Department or State Ground Water Department, one occupational health expert or Medical Officer to be nominated by the District Magistrate or District Collector, Engineer from Zila Parishad, and three expert members to be nominated by the Divisional Commissioner or Chief Conservator of Forest, as the case may be, shall be the other members of the DEAC. The term and qualifications of the experts fulfilling the eligibility criteria are given in Appendix VII to this notification.

(10) The members of the DEAC who are serving officers of the concerned State Government or the Union territory Administration shall be ex-officio members except the expert members.

(11) The District Magistrate or District Collector shall notify an agency to act as Secretariat for the DEIAA and the DEAC and shall provide all financial and logistic support for their statutory functions.

(12) The DEIAA and DEAC shall exercise the powers and follow the procedure as specified in the said notification, as amended from time to time.

(13) The DEAC shall function on the principle of collective responsibility and the Chairman shall endeavor to reach a consensus in each case and if consensus cannot be reached, the view of the majority shall prevail.”;

(c) in paragraph 4, after sub-paragraph (iii), the following sub-paragraph shall be inserted, namely:-

“(iv) The ‘B2’ Category projects pertaining to mining of minor mineral of lease area less than or equal to five hectare shall require prior environmental clearance from DEIAA. The DEIAA shall base its decision on the recommendations of DEAC, as constituted for this notification.”;

(d) for paragraph 5, the following paragraph shall be substituted, namely:-

“5. Screening, Scoping and Appraisal Committees:-

The same Expert Appraisal Committees (EACs) at the Central Government, SEACs at the State or Union territory level and DEAC at the district level shall screen, scope and appraise projects or activity in category ‘A’, ‘B1 and B2’ and ‘B2’ projects for mining of minor minerals of lease area less than and equal to five hectare respectively. EAC, SEACs and DEACs shall meet at least once every month.

(a) The composition of the EAC shall be as given in Appendix VI. The SEAC at the State or the Union territory level shall be constituted by the Central Government in consultation with the concerned State Government or the Union
(b) The Central Government may with the prior concurrence of the concerned State Governments or the Union territory Administration constitute one SEAC for more than one State or Union territory for reasons of administrative convenience and cost.

(c) The EAC and SEAC shall be reconstituted after every three years.

(d) The authorised members of the EAC, SEACs and DEACs concerned, may inspect any site connected with the project or activity in respect of which the prior environmental clearance is sought for the purpose of screening or scoping or appraisal with prior notice of at least seven days to the project proponent who shall provide necessary facilities for the inspection.

(e) The EAC, SEACs and DEACs shall function on the principle of collective responsibility. The Chairperson shall endeavor to reach a consensus in each case and if consensus cannot be reached the view of the majority shall prevail.”;

(f) for paragraph 6, the following paragraph shall be substituted, namely:-

“6. Application for Prior Environmental Clearance (EC):-

An application seeking prior environmental clearance in all cases shall be made by the project proponent in the prescribed Form 1 annexed herewith and Supplementary Form 1A, if applicable, as given in Appendix II after the identification of prospective site (s) for the project and/or activities to which the application relates; and in Form 1M for mining of minor minerals up to five hectare under Category ‘B2’ projects, as given in Appendix VIII, before commencing any construction activity, or preparation of land, or mining at the site by the project proponent. The project proponent shall furnish along with the application, a copy of the pre-feasibility project report, in addition to Form 1, Form 1A, and Form 1M; and in case of construction projects or activities (item 8 of the Schedule), a copy of the conceptual plan shall be provided instead of pre-feasibility report.”;

(g) in paragraph 7,-

(i) in sub-paragraph (i), under the heading “I. Stage (1) - Screening:”, the existing sub-paragraph shall be lettered as sub-paragraph “(A)” and after sub-paragraph as so lettered, the following sub-paragraph shall be inserted, namely:-

“(B) The cases as specified in Appendix IX shall be exempted from prior environmental clearance.”;

(ii) after sub-paragraph 7 (ii), the following sub-paragraph shall be inserted, namely:-

“7 (iii) Preparation of District Survey Report for Sand Mining or River Bed Mining and Mining of other Minor Minerals:

(a) The prescribed procedure for preparation of District Survey Report for sand mining or river bed mining and mining of other minor minerals is given in Appendix X.

(b) The prescribed procedure for environmental clearance for mining of minor minerals including cluster situation is given in Appendix XI.”;

(h) in paragraph 8,-

(i) for the letters and word “EAC or SEAC”, the words and letters “EAC or SEAC or DEAC” shall be substituted;

(ii) for the words “Expert Appraisal Committee or State Level Expert Appraisal Committee” wherever they occur, the words “Expert Appraisal Committee or State Level Expert Appraisal Committee or District Level Expert Appraisal Committee” shall be substituted;

(i) in paragraph 9, in sub-paragraph (i),-

for the words “Expert Appraisal Committee or State Level Expert Appraisal Committee”, the words “Expert Appraisal Committee or State Level Expert Appraisal Committee or District Level Expert Appraisal Committee” shall be substituted;

(iv) The prescribed procedure for sand mining or river bed mining and monitoring is given in Appendix XII.”;

(j) in paragraph 10, after sub-paragraph (iii), the following sub-paragraph shall be inserted, namely:-

“(iv) The prescribed procedure for sand mining or river bed mining and monitoring is given in Appendix XII.”;

(k) in the Schedule,-

(i) for item 1 (a) and the entries relating thereto, the following item and entries shall be substituted, namely:-

<table>
<thead>
<tr>
<th>(1)</th>
<th>(2)</th>
<th>(3)</th>
<th>(4)</th>
<th>(5)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;1(a)</td>
<td>(i) Mining of minerals</td>
<td>• 50 ha of mining lease area in respect of non-coal mine lease</td>
<td>&lt;50 ha of mining lease area in respect of non-coal mine lease</td>
<td>General Conditions shall apply except:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&gt;150 ha of mining lease area in respect of coal mine lease</td>
<td>&gt;150 ha of mining lease area in respect of coal mine lease</td>
<td>(i) for project or activity of mining of minor minerals of Category ‘B2’ (up to 25 ha of mining lease area);</td>
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<tr>
<td></td>
<td></td>
<td>Asbestos mining</td>
<td>&quot;150 ha of mining lease area in respect of coal mine lease</td>
<td>(ii) River bed mining projects on account of inter-state boundary.</td>
</tr>
</tbody>
</table>
(l) after Appendix VI, the following appendices shall be inserted, namely:-

### “APPENDIX VII”
(See paragraph 3 A)

Qualifications and terms for the Experts in DEIAA and DEAC

1. **Qualification:** The person should have at least (i) 5 years of formal University training in the concerned discipline leading to a MA or M Sc Degree or (ii) in case of Engineering/ Technology/ Architectural discipline, 4 years formal 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. MBA etc.) involving a total of 5 years of formal University training and prescribed practical training, or (iv) Prescribed apprenticeship/ article ship and pass examinations conducted by the concerned professional associations (e.g. Chartered Accountancy) or (v) a University degree, followed by two years of formal training in a University or Service Academy (e.g. MBA/MPA etc.). In selecting the individual professionals, experience gained by them in their respective fields will be taken note of.

2. **Expert:** A professional fulfilling the above eligibility criteria with at least 10 years of relevant experience in the field or with an advanced degree (e.g. Ph. D) in a concerned field with at least 5 years of relevant experience.

3. **Age:** Below 70 years. However, in the event of non-availability of paucity of experts in a given field, the maximum age of a member may be allowed up to 75 years.


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<table>
<thead>
<tr>
<th>(ii) Slurry pipelines (coal lignite and other ores) passing through national parks or sanctuaries or coral reefs, ecologically sensitive areas.</th>
<th>All projects.</th>
</tr>
</thead>
<tbody>
<tr>
<td>irrespective of mining area</td>
<td>Note:</td>
</tr>
<tr>
<td>(1) Mineral prospecting is exempted. ”;</td>
<td></td>
</tr>
<tr>
<td>(2) The prescribed procedure for environmental clearance for mining of minor minerals including cluster situation is given in Appendix XI.”;</td>
<td></td>
</tr>
<tr>
<td>(3) The mining leases which have obtained environmental clearance under Environment Impact Assessment Notification, 1994 and Environment Impact Assessment Notification, 2006 shall not require fresh environmental clearance during renewal provided the project has valid and subsisting environmental clearance.</td>
<td></td>
</tr>
</tbody>
</table>
5. **Tenure:** The maximum tenure of expert members shall be for two terms of three years each.

6. The Expert Members may not be removed prior to expiry of the tenure without cause and proper enquiry.

**APPENDIX VIII**

(See paragraph 6)

**FORM I M**

APPLICATION FOR MINING OF MINOR MINERALS UNDER CATEGORY ‘B2’ FOR LESS THAN AND EQUAL TO FIVE HECTARE

**(II) Basic Information**

(viii) Name of the Mining Lease site:

(ix) Location / site (GPS Co-ordinates):

(x) Size of the Mining Lease (Hectare):

(xi) Capacity of Mining Lease (TPA):

(xii) Period of Mining Lease:

(xiii) Expected cost of the Project:

(xiv) Contact Information:

**Environmental Sensitivity**

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Areas</th>
<th>Distance in kilometer / Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Distance of project site from nearest rail or road bridge over the concerned River, Rivulet, Nallah etc.</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Distance from infrastructural facilities</td>
<td></td>
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<tr>
<td></td>
<td>Railway line</td>
<td></td>
</tr>
<tr>
<td></td>
<td>National Highway</td>
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<tr>
<td></td>
<td>State Highway</td>
<td></td>
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<td></td>
<td>Major District Road</td>
<td></td>
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<td></td>
<td>Any Other Road</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Electric transmission line pole or tower</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Canal or check dam or reservoirs or lake or ponds</td>
<td></td>
</tr>
<tr>
<td></td>
<td>In-take for drinking water pump house</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Intake for Irrigation canal pumps</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Areas which are important or sensitive for ecological reasons - Wetlands, watercourses or other water bodies, coastal zone, biospheres, mountains, forests</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Areas used by protected, important or sensitive species of flora or fauna for breeding, nesting, foraging, resting, overwintering, migration</td>
<td></td>
</tr>
<tr>
<td>6.</td>
<td>Inland, coastal, marine or underground waters</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td>State, National boundaries</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Routes or facilities used by the public for access to recreation or other tourist, pilgrim areas</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Defence installations</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Densely populated or built-up area, distance from nearest human habitation</td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td>Areas occupied by sensitive man-made land uses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(hospitals, schools, places of worship, community facilities)</td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Areas containing important, high quality or scarce resources</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals)</td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Areas already subjected to pollution or environmental damage. (those where existing legal environmental standards are exceeded)</td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>Areas susceptible to natural hazard which could cause the project to present environmental problems</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(earthquakes, subsidence, landslides, erosion, flooding or extreme or adverse climatic conditions)</td>
<td></td>
</tr>
</tbody>
</table>
15. Is proposed mining site located over or near fissure / fracture for ground water recharge

16. Whether the proposal involves approval or clearance under the following Regulations or Acts, namely:-
   (a) The Forest (Conservation) Act, 1980;
   (b) The Wildlife (Protection) Act, 1972;
   (c) The Coastal Regulation Zone Notification, 2011.
   If yes, details of the same and their status to be given.

17. Forest land involved (hectares)

18. Whether there is any litigation pending against the project and/or land in which the project is propose to be set up?
   (a) Name of the Court
   (b) Case No.
   (c) Orders or directions of the Court, if any, and its relevance with the proposed project.

(Signature of Project Proponent
Along with name and address)

APPENDIX – IX
[See paragraph 7(i) (B)]

EXEMPTION OF CERTAIN CASES FROM REQUIREMENT OF ENVIRONMENTAL CLEARANCE

The following cases shall not require prior environmental clearance, namely:-

1. Extraction of ordinary clay or sand, manually, by the Kumhars (Potter) to prepare earthen pots, lamp, toys, etc. as per their customs.

2. Extraction of ordinary clay or sand, manually, by earthen tile makers who prepare earthen tiles.

3. Removal of sand deposits on agricultural field after flood by farmers.

4. Customary extraction of sand and ordinary earth from sources situated in Gram Panchayat for personal use or community work in village.

5. Community works like de-silting of village ponds or tanks, construction of village roads, ponds, bunds undertaken in Mahatama Gandhi National Rural Employment and Guarantee Schemes, other Government sponsored schemes, and community efforts.

6. Dredging and de-silting of dams, reservoirs, weirs, barrages, river, and canals for the purpose of their maintenance, upkeep and disaster management.

7. Traditional occupational work of sand by Vanjara and Oads in Gujarat vide notification number GU/90(16)/MCR-2189(68)/5-CHH, dated the 14th February, 1990 of the Government of Gujarat.

8. Digging of well for irrigation or drinking water.

9. Digging of foundation for buildings not requiring prior environmental clearance.

10. Excavation of ordinary earth or clay for plugging of any breach caused in canal, nala, drain, water body, etc., to deal with any disaster or flood like situation upon orders of District Collector or District Magistrate.

11. Activities declared by State Government under legislations or rules as non-mining activity with concurrence of the Ministry of Environment, Forest and Climate Change, Government of India.

APPENDIX – X
[See paragraph 7 (iii) (a)]

PROCEDURE FOR PREPARATION OF DISTRICT SURVEY REPORT

The main objective of the preparation of District Survey Report (as per the Sustainable Sand Mining Guideline) is to ensure the following:
Identification of areas of aggradations or deposition where mining can be allowed; and identification of areas of erosion and proximity to infrastructural structures and installations where mining should be prohibited and calculation of annual rate of replenishment and allowing time for replenishment after mining in that area.

The report shall have the following structure:

1. Introduction
2. Overview of Mining Activity in the District
3. The List of Mining Leases in the District with location, area and period of validity
4. Details of Royalty or Revenue received in last three years
5. Detail of Production of Sand or Bajari or minor mineral in last three years
6. Process of Deposition of Sediments in the rivers of the District
7. General Profile of the District
8. Land Utilization Pattern in the district: Forest, Agriculture, Horticulture, Mining etc.
9. Physiography of the District
10. Rainfall: month-wise
11. Geology and Mineral Wealth

In addition to the above, the report shall contain the following:
(a) District wise detail of river or stream and other sand source.
(b) District wise availability of sand or gravel or aggregate resources.
(c) District wise detail of existing mining leases of sand and aggregates.

A survey shall be carried out by the DEIAA with the assistance of Geology Department or Irrigation Department or Forest Department or Public Works Department or Ground Water Boards or Remote Sensing Department or Mining Department etc. in the district.

### Drainage system with description of main rivers

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the River</th>
<th>Area drained (Sq. Km)</th>
<th>% Area drained in the District</th>
</tr>
</thead>
</table>

### Salient Features of Important Rivers and Streams:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of the River or Stream</th>
<th>Total Length in the District (in Km)</th>
<th>Place of origin</th>
<th>Altitude at Origin</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Portion of the River or Stream Recommended for Mineral Concession</th>
<th>Length of area recommended for mineral concession (in kilometer)</th>
<th>Average width of area recommended for mineral concession (in meters)</th>
<th>Area recommended for mineral concession (in square meter)</th>
<th>Mineable mineral potential (in metric tonne) (60% of total mineral potential)</th>
</tr>
</thead>
</table>

### Mineral Potential

<table>
<thead>
<tr>
<th>Boulder (MT)</th>
<th>Bajari (MT)</th>
<th>Sand (MT)</th>
<th>Total Mineable Mineral Potential (MT)</th>
</tr>
</thead>
</table>

### Annual Deposition

<table>
<thead>
<tr>
<th>S. No.</th>
<th>River or Stream</th>
<th>Portion of the river or stream recommended for mineral concession</th>
<th>Length of area recommended for mineral concession (in kilometer)</th>
<th>Average width of area recommended for mineral concession (in meters)</th>
<th>Area recommended for mineral concession (in square meter)</th>
<th>Mineable mineral potential (in metric tonne) (60% of total mineral potential)</th>
</tr>
</thead>
</table>

A Sub-Devisional Committee comprising of Sub-Devisional Magistrate, Officers from Irrigation department, State Pollution Control Board or Committee, Forest department, Geology or mining officer shall visit each site for which environmental clearance has been applied for and make recommendation on suitability of site for mining or prohibition thereof.

### Methodology adopted for calculation of Mineral Potential:

The mineral potential is calculated based on field investigation and geology of the catchment area of the river or streams. As per the site conditions and location, depth of minable mineral is defined. The area for removal of the mineral in a river or stream can be decided depending on geo-morphology and other factors, it can be 50% to 60% of the area of a particular river or stream. For example in some hill States mineral constituents like boulders, river born Bajri, sand up
to a depth of one meter are considered as resource mineral. Other constituents like clay and silt are excluded as waste while calculating the mineral potential of particular river or stream.

The District Survey Report shall be prepared for each minor mineral in the district separately and its draft shall be placed in the public domain by keeping its copy in Collectorate and posting it on district’s website for twenty one days. The comments received shall be considered and if found fit, shall be incorporated in the final Report to be finalised within six months by the DEIAA.

The District Survey Report shall form the basis for application for environmental clearance, preparation of reports and appraisal of projects. The Report shall be updated once every five years.

APPENDIX - XI
[See paragraph 7 (iii) (b)]

PROCEDURE FOR ENVIRONMENTAL CLEARANCE FOR MINING OF MINOR MINERALS INCLUDING CLUSTER

The following policy shall be followed for environmental clearance of mining of minor minerals including cluster situation:

(1). The data provided by the States (Sustainable Sand Mining Guidelines) shows that most of the mining leases for minor minerals are of lease area less than 5 hectare. It is also reported that in hill States getting a stretch in river with area more than 5 hectare is very uncommon. So the size of lease for minor minerals including river sand mining will be determined by the States as per their circumstances.

(2). The mining of minor minerals is mostly in clusters. The Environment Impact Assessment or Environment Management Plan are required to be prepared for the entire cluster in order to capture all the possible externalities. These reports shall capture carrying capacity of the cluster, transportation and related issues, replenishment and recharge issues, geo-hydrological study of the cluster area. The Environment Impact Assessment or Environment Management Plan shall be prepared by the State or State nominated Agency or group of project proponents in the Cluster or the project proponent in the cluster.

(3). There shall be one public consultation for entire cluster after which the final Environment Impact Assessment or Environment Management Plan report for the cluster shall be prepared.

(4). Environmental clearance shall be applied for and issued to the individual project proponent. The individual lease holders in cluster can use the same Environment Impact Assessment or Environment Management Plan for application for environmental clearance. The cluster Environment Impact Assessment or Environment Management Plan shall be updated as per need keeping in view any significant change.

(5). The details of cluster Environment Impact Assessment or Environment Management Plan shall be reflected in each environmental clearance in that cluster and DEAC, SEAC, and EAC shall ensure that the mitigative measures emanating from the Environment Impact Assessment or Environment Management Plan study are fully reflected as environmental clearance conditions in the environmental clearance’s of individual project proponents in that cluster.

(6). A cluster shall be formed when the distance between the peripheries of one lease is less than 500 meters from the periphery of other lease in a homogeneous mineral area.


(8). The SEIAAs shall have supervisory jurisdiction over the DEIAAs and decisions of DEIAA shall be reviewed by the SEIAAs without prejudice to any provisions under any existing law.

Schematic Presentation of Requirements on Environmental Clearance of Minor Minerals including cluster situation

<table>
<thead>
<tr>
<th>Area of Lease (Hectare)</th>
<th>Category of Project</th>
<th>Requirement of EIA/EMP</th>
<th>Requirement of Public Hearing</th>
<th>Requirement of EC</th>
<th>Who can prepare EIA/EMP</th>
<th>Who will apply for EC</th>
<th>Authority to appraise/grant EC</th>
<th>Authority to monitor EC compliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 5ha</td>
<td>‘B2’</td>
<td>Form –1M, PFR and Approved Mine Plan</td>
<td>No</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>DEAC/DEIAA</td>
<td>DEIAA SEIAA SPCB CPCB MoEFCC Agency</td>
</tr>
<tr>
<td>Cluster area of mine leases</td>
<td>‘B2’</td>
<td>Form – I, PFR and Approved Mine Plan</td>
<td>No</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>SEAC / SEIAA</td>
<td>nominated by MoEFCC</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------</td>
<td>--------------------------------------</td>
<td>----</td>
<td>-----</td>
<td>-------------------</td>
<td>-------------------</td>
<td>---------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>up to 5 ha</td>
<td></td>
<td></td>
<td>No</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>SEAC/ SEIAA</td>
<td></td>
</tr>
<tr>
<td>&gt; 5 ha and &lt; 25 ha</td>
<td></td>
<td></td>
<td>No</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>SEAC/ SEIAA</td>
<td></td>
</tr>
<tr>
<td>• 25 ha and &lt; 50 ha</td>
<td>‘B1’</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>SEAC/ SEIAA</td>
<td></td>
</tr>
<tr>
<td>• 50 ha</td>
<td>‘A’</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>EAC/ MoEFCC</td>
<td></td>
</tr>
</tbody>
</table>

**EC Proposal of Sand Mining and other Minor Mineral Mining in cluster situation**

<table>
<thead>
<tr>
<th>Cluster area of Mine leases</th>
<th>‘B2’</th>
<th>Form – I, PFR and Approved Mine Plan</th>
<th>No</th>
<th>Yes</th>
<th>Project Proponent</th>
<th>Project Proponent</th>
<th>DEAC/ DEIAA/</th>
<th>DEIAA SEIAA SPCB CPCB MoEFCC Agency nominated by MoEFCC</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 5 ha and &lt; 25 ha with no individual lease &gt; 5 ha</td>
<td></td>
<td></td>
<td>No</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>DEAC/ DEIAA/</td>
<td>DEIAA SEIAA SPCB CPCB MoEFCC Agency nominated by MoEFCC</td>
</tr>
<tr>
<td>Cluster area of Mine leases</td>
<td>‘B2’</td>
<td>Form – I, PFR and Approved Mine Plan</td>
<td>No</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>DEAC/ DEIAA/</td>
<td>DEIAA SEIAA SPCB CPCB MoEFCC Agency nominated by MoEFCC</td>
</tr>
<tr>
<td>&gt; 5 ha and &lt; 25 ha with no individual lease &gt; 5 ha</td>
<td></td>
<td></td>
<td>No</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>DEAC/ DEIAA/</td>
<td>DEIAA SEIAA SPCB CPCB MoEFCC Agency nominated by MoEFCC</td>
</tr>
<tr>
<td>Cluster of mine leases of area • 25 hectares with individual lease size &lt; 50 ha</td>
<td>‘B1’</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>SEAC/ SEIAA</td>
<td></td>
</tr>
<tr>
<td>Cluster of any size with any of the individual lease • 50 ha</td>
<td>‘A’</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Project Proponent</td>
<td>Project Proponent</td>
<td>EAC/ MoEFCC</td>
<td></td>
</tr>
</tbody>
</table>

**APPENDIX - XII**

[See paragraph 10 (iv)]

**PROCEDURE FOR MONITORING OF SAND MINING OR RIVER BED MINING**

1. The security feature of Transport Permit shall be as under:
   
   (a) Printed on Indian Banks’ Association (IBA) approved Magnetic Ink Character Recognition (MICR) Code paper.
   
   (b) Unique Barcode.
   
   (c) Unique Quick Response (QR) code.
   
   (d) Fugitive Ink Background.
   
   (e) Invisible Ink Mark.
   
   (f) Void Pantograph.
   
   (g) Watermark.

2. Requirement at Mine Lease Site:
   
   (a) Small Size Plot (Up to 5 hectare): Android Based Smart Phone.
(b) Large Size Plots (More than 5 hectare): CCTV camera, Personal Computer (PC), Internet Connection, Power Back up.

c) Access control of mine lease site.

d) Arrangement for weight or approximation of weight of mined out mineral on basis of volume of the trailer of vehicle used.

3. Scanning of Transport Permit or Receipt and Uploading on Server:

(a) Website: Scanning of receipt on mining site can be done through barcode scanner and computer using the software;

(b) Android Application: Scanning on mining site can be done using Android Application using smart phone. It will require internet availability on SIM card;

(c) SMS: Transport Permit or Receipt shall be uploaded on server even by sending SMS through mobile. Once Transport Permit or Receipt get uploaded, an unique invoice code gets generated with its validity period.

4. Proposed working of the system:

The State Mining Department should print the Transport Permit or Receipt with security features enumerated at Paragraph 1 above and issue them to the mine lease holder through the District Collector. Once these Transport Permits or Receipts are issued, they would be uploaded on the server against that mine lease area. Each receipt should be preferably with pre-fixed quantity, so the total quantity gets determined for the receipts issued.

When the Transport Permit or Receipt barcode gets scanned and invoice is generated, that particular barcode gets used and its validity time is recorded on the server. So all the details of transporting of mined out material can be captured on the server and the Transport Permit or Receipt cannot be reused.

5. Checking On Route:

The staff deployed for the purpose of checking of vehicles carrying mined mineral should be in a position to check the validity of Transport Permit or Receipt by scanning them using website, Android Application and SMS.

6. Breakdown of Vehicle:

In case the Vehicle breakdown, the validity of Transport Permit or Receipt shall be extended by sending SMS by driver in specific format to report breakdown of vehicle. The server will register this information and register the breakdown. The State can also establish a call centre, which can register breakdowns of such vehicles and extend the validity period. The subsequent restart of the vehicle also should be similarly reported to the server or call centre.

7. Tracking of Vehicles:

The route of vehicle from source to destination can be tracked through the system using check points, RFID Tags, and GPS tracking.

8. Alerts or Report Generation and Action Review:

The system will enable the authorities to develop periodic report on different parameters like daily lifting report, vehicle log or history, lifting against allocation, and total lifting. The system can be used to generate auto mails or SMS. This will enable the District Collector or District Magistrate to get all the relevant details and shall enable the authority to block the scanning facility of any site found to be indulged in irregularity. Whenever any authority intercepts any vehicle transporting illegal sand, it shall get registered on the server and shall be mandatory for the officer to fill in the report on action taken. Every intercepted vehicle shall be tracked.

The monitoring of mined out mineral, environmental clearance conditions and enforcement of Environment Management Plan will be ensured by the DEIAA, SEIAA and the State Pollution Control Board or Committee. The monitoring arrangements envisaged above shall be put in place not later than three months. The monitoring of enforcement of environmental clearance conditions shall be done by the Central Pollution Control Board, Ministry of Environment, Forest and Climate Change and the agency nominated by the Ministry for the purpose.”.

[No. Z-11013/98/2014-IA-II (M)]

MANOJ KUMAR SINGH, Jt. Secy.

Note: The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii) vide number S.O. 1533 (E), dated the 14th September, 2006 and subsequently amended vide the following numbers :-
1. S.O. 1737 (E) dated the 11th October, 2007;
2. S.O. 3067 (E) dated the 1st December, 2009;
3. S.O. 695 (E) dated the 4th April, 2011;
4. S.O. 2896 (E) dated the 13th December, 2012;
5. S.O. 674 (E) dated the 13th March, 2013;
6. S.O. 2204 (E) dated the 19th July 2013;
7. S.O. 2555 (E) dated the 21st August, 2013;
8. S.O. 2559 (E) dated the 22nd August, 2013;
9. S.O. 2731 (E) dated the 9th September, 2013;
10. S.O. 562 (E) dated the 26th February, 2014;
11. S.O. 637 (E) dated the 28th February, 2014;
12. S.O. 1599 (E) dated the 25th June, 2014;
13. S.O. 2601 (E) dated the 7th October, 2014;
14. S.O. 2600 (E) dated the 9th October, 2014;
15. S.O. 3252 (E) dated the 22nd December, 2014;
16. S.O. 382 (E) dated the 3rd February, 2015;
17. S.O. 811 (E) dated the 23rd March, 2015;
18. S.O. 996 (E) dated the 10th April, 2015;
19. S.O. 1142 (E) dated the 17th April, 2015;
20. S.O. 1141 (E) dated the 29th April, 2015;
[भाग II-खण्ड 3 (ii)]

भारत का राजपत्र: अवसाध्याण

[Page 27]

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and Published by the Controller of Publications, Delhi-110054.
Guidelines for Preparation of pre-feasibility report for obtaining prior environmental clearance in terms of the provisions of EIA notification, 2006

EIA notification, 2006, requires submission of Form I and pre-feasibility report for obtaining prior environmental clearance. It has, however, been observed that the pre-feasibility report submitted by the proponent for seeking prior environmental clearance is sometimes sketchy and does not contain all the relevant information required for scoping the project for prescribing the terms of reference for undertaking detailed EIA studies.

The matter has been under consideration of Ministry of Environment and Forests for quite some time and it has now been decided to issue guidelines for preparation of pre-feasibility report. The enclosed guidelines are generic in nature to be followed by all concerned, of course there could be some variations from sector to sector depending on the sector specific requirement of information.

(Dr. S.K. Aggarwal)
Director

To

1. All the Officers of IA Division
2. Chairpersons and Members of Sectoral EACs of MoEF
3. Chairpersons / Member Secretaries of all the SEIAAs/SEACs
4. Member Secretaries of all SPCBs / UTPCCs

Copy to:-

1. PS to MEF
2. PPS to Secretary (E&F)
3. PPS to AS(JMM)
4. Advisor (NB)
5. Website, MoEF
6. Guard File
Ministry of Environment and Forests

Guidelines for Preparation of pre-feasibility report for obtaining prior environmental clearance in terms of the provisions of EIA notification, 2006

The EIA notification of 2006 stipulates that the application seeking prior environmental clearance, amongst other things, must provide a copy of the pre-feasibility report along with application in prescribed format (Form I). The contents of the pre-feasibility report though are generally understood; however, in order to ensure that the contents of pre-feasibility report are comprehensive enough and provide necessary information required for scoping the project, following guidelines are provided. The pre-feasibility report should invariably provide a broad outline of the following aspects; however, should details of some of the aspects listed hereunder are not available, project proponent should clearly indicate so and provide an indicative/representative information on such aspects. While the pre-feasibility report should be brief, the minimum information required for scoping and prescribing TORs should be made available therein.

1. Executive Summary

2. Introduction of the project/ Background information

(i) Identification of project and project proponent. In case of mining project, a copy of mining lease/ letter of intent should be given.

(ii) Brief description of nature of the project.

(iii) Need for the project and its importance to the country and or region.

(iv) Demand-Supply Gap.

(v) Imports vs. Indigenous production.

(vi) Export Possibility.

(vii) Domestic / export Markets.

(viii) Employment Generation (Direct and Indirect) due to the project.
3. Project Description

(i) Type of project including interlinked and interdependent projects, if any.

(ii) Location (map showing general location, specific location, and project boundary & project site layout) with coordinates.

(iii) Details of alternate sites considered and the basis of selecting the proposed site, particularly the environmental considerations gone into should be highlighted.

(iv) Size or magnitude of operation.

(v) Project description with process details (a schematic diagram/ flow chart showing the project layout, components of the project etc. should be given)

(vi) Raw material required along with estimated quantity, likely source, marketing area of final product/s, Mode of transport of raw Material and Finished Product.

(vii) Resource optimization/ recycling and reuse envisaged in the project, if any, should be briefly outlined.

(viii) Availability of water its source, Energy/ power requirement and source should be given.

(ix) Quantity of wastes to be generated (liquid and solid) and scheme for their Management/disposal.

(x) Schematic representations of the feasibility drawing which give information of EIA purpose.

4. Site Analysis

(i) Connectivity.

(ii) Land Form, Land use and Land ownership.

(iii) Topography (along with map).

(iv) Existing land use pattern (agriculture, non-agriculture, forest, water bodies (including area under CRZ)), shortest distances from the periphery of the project to
periphery of the forests, national park, wild life
sanctuary, eco sensitive areas, water bodies (distance
from the HFL of the river), CRZ. In case of notified
industrial area, a copy of the Gazette notification should
be given.

(v) Existing Infrastructure.
(vi) Soil classification
(vii) Climatic data from secondary sources.
(viii) Social Infrastructure available.

5. Planning Brief

(i) Planning Concept (type of industries, facilities,
transportation etc) Town and Country
Planning/Development authority Classification
(ii) Population Projection
(iii) Land use planning (breakup along with green belt etc).
(iv) Assessment of Infrastructure Demand (Physical &
Social).
(v) Amenities/Facilities.

6. Proposed Infrastructure

(i) Industrial Area (Processing Area).
(ii) Residential Area (Non Processing Area).
(iii) Green Belt.
(iv) Social Infrastructure.
(v) Connectivity (Traffic and Transportation Road/
Rail/Metro/Water ways etc)
(vi) Drinking Water Management (Source & Supply of
water)
(vii) Sewerage System.
(viii) Industrial Waste Management.
(ix) Solid Waste Management.
(x) Power Requirement & Supply / source.
7. Rehabilitation and Resettlement (R & R) Plan

(i) Policy to be adopted (Central/State) in respect of the project affected persons including home oustees, land oustees and landless laborers (a brief outline to be given).

8. Project Schedule & Cost Estimates

(i) Likely date of start of construction and likely date of completion (Time schedule for the project to be given).

(ii) Estimated project cost along with analysis in terms of economic viability of the project.

9. Analysis of proposal (Final Recommendations)

(i) Financial and social benefits with special emphasis on the benefit to the local people including tribal population, if any, in the area.

**************