### Checklist for EC project

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Detail of the Document</th>
<th>Submitted / Not Submitted / Not applicable</th>
<th>Page No. as per the Hard Copy</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Project Name &amp; its location</td>
<td></td>
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<tr>
<td>2.</td>
<td>Mobile No. (Please mention) Email ID (Please mention)</td>
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<td>3.</td>
<td>EC processing fee (DD No. &amp; date)</td>
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<td></td>
<td>For B1 projects:</td>
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<td></td>
<td>- At the time of TOR 25% and at the time of EC 75%</td>
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<td>For B2 project</td>
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<td></td>
<td>- At the time of EC 100%</td>
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<td>4.</td>
<td>Cost of the project duly certified by Chartered Engineer/Approved valuer and Chartered Accountant</td>
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<td>5.</td>
<td>Whether the project falls in the critical polluted area notified by MoEF&amp;CC.</td>
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<td>6.</td>
<td>Various documents to be submitted along with the EC are listed as under:</td>
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<td></td>
<td>1. Is the project involves diversion of forest land. If yes,</td>
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<td></td>
<td>a) Extent of the forest land.</td>
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<td></td>
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<tr>
<td></td>
<td>b) Status of the forest clearance.</td>
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<tr>
<td></td>
<td>c) In case, project involves diversion of forest land then the project proponent will file an application before the concerned DFO obtaining forest clearance under Forest (Conservation) Act, 198 and submit acknowledgement along with copy of application submitted to concerned DFO</td>
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<tr>
<td></td>
<td>2. a) Is the project covered under PLPA, 1900, if No but located near to PLPA area then the project proponent is required to submit NOC from the concerned DFO to the effect that project area does not fall under the provision of PLPA Act, 1900. b. Is the project covered under PLPA, 1900, if yes then Status of the NOC w.r.t PLPA, 1900.</td>
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<td>3. If the project falls within 10 km of eco-sensitive area. If yes,</td>
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<tr>
<td></td>
<td>a. Name of eco-sensitive area and distance from the project site.</td>
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<td></td>
<td>c. The project proponent is required to submit either documentary proof to the effect that Wildlife Sanctuary is more than 10 kms from the project site or in case, the same is within</td>
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</table>
10 kms radius then, the project proponent will file an application before the concerned DFO, Wildlife for obtaining NBWL permission and submit acknowledgement along-with copy of application submitted to concerned DFO Wildlife for obtaining permission from NBWL.

7. The process of submitting an application for obtaining environmental clearance has been made completely online and after the acceptance of environmental clearance application by SEIAA, the system generates an automated acknowledgement asking project proponent to submit hard copy (2 no.) of the accepted application within 48 hours on the following address:
Member Secretary (SEIAA), Directorate of Environment & Climate Change, C/o Punjab State Council for Science & Technology, MGSIPA Complex, Sector-26 Chandigarh-160019

8. a) Properly filled Form 1 & 1A along with signed declaration
b) Brief Description of the project (Annexure-A)
c) Co-ordinates of all the corners of the project

9. (a) In case(s) where land has already been purchased/acquired:
   Proof of ownership of land
(b) In case where land is yet to be purchased/acquired:
   Proof of ownership of land (existing owner) such as copy of latest Jamabandi (not more than one month old) and credible document showing status of land acquisition w.r.t. project site as prescribed in OM dated 07.10.2014 issued by MoEF

10. (a) Copy of Master Plan of the area showing land use pattern of the proposed site.
    (b) Land Use Certificate / permissibility Certificate from Competent Authority intimating land use pattern of the project site as per proposals of Master Plan of the area.
    (c) Undertaking regarding conforming of site to the siting guidelines framed by PPCB

11. Layout plan duly approved by the Competent Authority / Conceptual plan of the project.

12. Topographical map of the area showing Contour Plan. In case of Area Development Projects, the Contour Plan should reflect the true existing physical features of the site and may be prepared by the project proponent w.r.t. some permanent reference marks.

13. Status of construction, if any, along with photographs from all the four sides.

14. 500 meter radius map of the area from periphery of project site clearly indicating the various industries (specifically red category industries) and structures lying in the area.
15. Location plan showing the exact location of the project site w.r.t. some permanent / important features of the area and site plan of the project showing the following:
   i) Location of STP
   ii) Solid waste storage area
   iii) Green belt with marking of tree
   iv) Parking space
   v) RWH and water recharge pits
   vi) Fire fighting equipment layout
   vii) First aid room
   viii) Location of Tubewells
   ix) DG Sets and Transformers
   x) Any other utilities

16. Drawing showing plumbing systems for use of fresh, treated wastewater and hot water i.e. colour coding of the different lines is as under:

<table>
<thead>
<tr>
<th>Nature of the Stream</th>
<th>Color code</th>
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<tbody>
<tr>
<td>Fresh water</td>
<td>Blue Color</td>
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<tr>
<td>Untreated wastewater from Toilets/urinal (WC waste having odors &amp; high e-coli / f-coli) &amp; from Kitchen (Utensil washing containing high Oil &amp; Grease, vegetable residues, soft drinks / milk/ tea residue and concentrated cleansing agents like dishwasher &amp; detergents etc.)</td>
<td>Black color</td>
</tr>
<tr>
<td>Untreated wastewater from Toilets/urinal (WC waste having odors &amp; high e-coli / f-coli) &amp; from Kitchen (Utensil washing containing high Oil &amp; Grease, vegetable residues, soft drinks / milk/ tea residue and concentrated cleansing agents like dishwasher &amp; detergents etc.)</td>
<td>Grey color</td>
</tr>
<tr>
<td>Reject water streams from RO plants &amp; AC condensate (this is to be implemented wherever centralized AC system and common RO has been proposed in the Project). Further, in case of individual houses/establishment this proposal may also be implemented wherever possible.</td>
<td>White color</td>
</tr>
<tr>
<td>Treated wastewater (for reuse only for plantation purposes) from the STP treating black water</td>
<td>Green</td>
</tr>
<tr>
<td>Treated wastewater (for reuse for flushing purposes or any other activity except plantation) from the STP treating grey water</td>
<td>Green with strips</td>
</tr>
<tr>
<td>Storm water</td>
<td>Orange Color</td>
</tr>
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</table>
### 17. Construction Phase

- Max. Water Requirement (KLD), Source of the Water and treatment facility
  
### Operation Phase

- Max. Water Requirement (KLD), Source of the Water & status of clearance*.
- Max. Waste water quantity (KLD), treatment capacity, detail and status of clearance*.
- Provision of module system kept during installation of STP
- Max. Recycling/reuse of treated water and disposal.
- Solid Waste Management and status of clearance*.
- Hazardous Waste Management

* A letter from concerned Local Body / Authority giving details as under:
  
  - Availability of the water supply in the area, exact position of water supply line duly marked on the layout map / plan and providing the water supply to the proposed project.
  - Availability of the existing sewer duly marked on layout map and status of sewer connectivity indicating feasibility with respect to the project sewer & acceptance of quantity of sewage.
  - Acceptance of Solid Waste indicating quantity to be generated by the proposed project.

### 18. The project proponent shall submit a copy of acknowledgement along with set of application filed to CGWA /Competent Authority for obtaining permission for abstraction of ground water.

### 19. Water balance chart for summer, rainy and winter seasons indicating critical requirements

### 20. 

- Availability of adequate land for use of treated sewage and plantation.
- Land ownership details / lease deed for utilizing treated waste water and undertaking to the effect that reserved land shall not be used for any other purpose except utilizing of treated waste water.
- Detail of water bodies near the proposed project and impact on drainage if any.

### 21. Analysis reports of ambient air, ground water and noise levels from NABL/MoEF Accredited laboratories as per detail below:

  (i) The field data sheets as prescribed by SEIAA, Punjab which are available on the official website of SEIAA, Punjab along with exact location of sampling / monitoring point marked on the layout map should be filled at the time of sample collection/monitoring by the Lab and should be attached with the water, air, noise & soil monitoring
(ii) Water, air, noise & soil monitoring reports more than 6 months old or prior to date of signing of consent letters/agreement with the land owner shall not be accepted w.e.f. June, 1st 2015 onwards.

(iii) Atleast one groundwater sample from the shallow / first aquifer and in case groundwater is to be abstracted for drinking purposes then atleast one groundwater sample from the said aquifer should be monitored and reports be attached accordingly.

22. Energy Conservation measures, quantification of energy saved and renewable energy devices used.

23. Action plan for green belt development
   a) Percentage of the area to be developed.
   b) Maintenance plan for 3 years indicating cost to be incurred

24. Construction schedule (PERT/CPM Chart)

25. Undertaking(s) for;
   i. Constitution of Environment Monitoring Cell which shall be responsible for implementation of EMP
   ii. Use of ready mix concrete or use of fly ash during construction.
   iii. To provide Fire Fighting System.
   iv. To provide safety measure.
   v. To provide adequate safety measures for the construction workers during the construction phase.

26. Environmental Management Plan indicating the following:
   a) 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.
      i) Sewage Treatment plant
      ii) Landscaping
      iii) Rain Water Harvesting
      iv) Power backup for environment infrastructure.
      v) Environment Monitoring
      vi) Solid Waste Management
      vii) Solar and Energy Conservation
      viii) Any other-Public Hearing
   b) Compliance of various environmental regulations.
   c) Steps to be taken in case of emergency such as accidents at the site including fire.
   d) For how long period the project proponent will be responsible for implementation of EMP and the name of the person(s) responsible for implementation of EMP.
   e) Capital & recurring cost for the EMP per year and the
details of funds for the same.
f) Name of the individual persons/organization/ detail of Environment Monitoring Cell, who will be responsible for implementation of EMP after the lapse of the period for which the project proponent is responsible.

| 27. | Corporate Environmental Responsibility indicating various activities to be undertaken as per the provision of OM dated 01.05.2018, proportionate provisions of funds for the same, the period for which the same is to be implemented and the person(s) responsible for the implementation of the same. |
| 28. | i) Traffic Circulation System and connectivity with a view to ensure adequate parking, conflict free movements  
ii) Parking requirement with provisions made. |
| 29. | Disaster/Risk Assessment and Management Plan. |
| 30. | Copy of Memorandum of Article & Association / partnership deed / undertaking of sole proprietorship / list of Directors and names of other persons responsible for managing the day-to-day affairs of the project. |
| 31. | For expansion projects:  
i. All the columns in the application form may be got filled in three parallel columns i.e. Existing, Proposed and Total.  
ii. In case of increase in no. of story's, Structural Safety/Stability Certificate may be required from the Approved Engineer.  
iii. The existing building plan may be got super imposed with the proposed building plan and be marked in different colors. Submit colored drawing on Appropriate readable size.  
iv. Specify the adequacy of internal water supply system, sewer line and STP for the proposed expansion/revision. |
| 32. | In case of expansion projects, compliance report of earlier granted environmental clearance conditions verified by Northern Regional Office of Ministry of Environment, Forests & Climate Change, Chandigarh. |
| 33. | The project proponent is required to submit the following information on the email seiaapb2019@gmail.com:  
i) Synopsis of the project (Annexure-A) in pdf file and MS word format  
ii) A copy of presentation in PPT format. |