

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL**  
**EASTERN ZONE, KOLKATA**  
**ORIGINAL APPLICATION No. 38/2022**

IN THE MATTER OF:

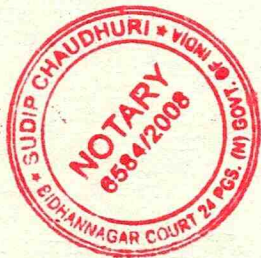
Bina Basnett

...Applicant

Versus

State Of Sikkim & Ors.

...Respondents



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Kolkata

Dated: 27<sup>th</sup> August, 2024

Through

Respondent No. 11

Amrita Pandey  
Advocate

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**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL  
EASTERN ZONE, KOLKATA  
ORIGINAL APPLICATION No. 38/2022**

SL. NO. 794 / 2024

IN THE MATTER OF:

Bina Basnett

...Applicant

Versus

State Of Sikkim & Ors.

...Respondents



**BEFORE THE NOTARY PUBLIC  
AT BIDHANNAGAR  
DIST.-NORTH 24 PARGANAS**

**COUNTER AFFIDAVIT ON BEHALF OF MINISTRY OF ENVIRONMENT,  
FOREST AND CLIMATE CHANGE (RESPONDENT NO. 11)**

I, Dr. Shahida Parvin Quazi, daughter of Late Quazi Sirazul Haque, aged about 46 years, presently working as 'Scientist - E' at the Sub Office Kolkata, Regional office Bhubaneswar under the of Ministry of Environment, Forest and Climate Change having its office at IB-198, Sector - III, Salt Lake City, Kolkata-700 106 do hereby solemnly affirm and state as under:

1. That I am competent to swear the present counter affidavit on behalf of MoEF&CC and I am aware of the facts and circumstances of the case based on record.
2. That, I have perused the contents of the above captioned application by the applicant and I am duly authorized to depose by way of the present affidavit.
3. That, the Answering Respondent is not replying to the present application in para-wise manner and craves leave to file a detailed affidavit as and when necessary and required by this Hon'ble Tribunal.
4. That, the application has been filed against the Respondent No.12, MESASO Infrastructure Private Limited for the construction of Multi-level Car Parking-cum-Commercial Development at Old West Point of School area. It is alleged that the aforesaid construction is in violation of the Notification No. 17/DMG/20-21 dated 19.03.2021 issued by the Government of Sikkim, Department of Mines and Geology, Gangtok whereby, the Stability Zone-1 the admissible number of floors is 5 ½ whereas the proposed Multi-level Car Paring-cum-Commercial Hub is a 14 storeys building.

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5. Instant application filed on the following Grounds :

*“(i) Alleged construction of a 14 storey building in an already ecologically fragile area is all against Article 14,19 and 21 of the constitution of India, 1950.*

*(ii) Construction of 14 storey building in a hilly terrain like Gangtok is against the National as well as State Building Laws/Code.*

*(iii) Base of Gangtok city is not stable valley. Hence all such construction of high-rise buildings is against all the architectural and geological norms.*

*(iv) Construction of a 14 storey building is a seismic zone where only 5 ½ floors are permitted but clear and categorical exploitation of the environment in the name of urbanization and making Gangtok smart city.”*

6. That the instant application has been filed by the applicant with the following prayer:

*“(a) Direct the Respondent Nos. 2 and 12 to immediately stop the construction of Multi-level Car Parking cum commercial Development at Old West Point School Area; and/or*

*(b) Direct the Respondents to revoke the permissions granted for the construction of the above mentioned 14(11+3 proposed) storey building in Gangtok area; and/or*

*(c) Scrap the complete construction related projects in the state of Sikkim which are against the ecology and environment of the area; and/or*

*(d) Direct the Respondent to strictly comply with all the Environment related Rules, Bye-laws and Guidelines before giving permission for any development/construction project in the state of Sikkim; and/or”*

**Rule Regulation as per EIA Notification, 2006 :**

7. It is submitted that the answering respondent (i.e. MoEF&CC) has issued an Environmental Impact Assessment (EIA) Notification number S.O. 1533 E dated 14, September 2006 superseding the Environmental Impact Assessment Notification 1994. The developmental projects in different parts of the country are regulated as per EIA Notification, 2006 as amended from time to time, issued by the Central Government under

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sub section (3) of section 3 of the Environment (Protection) Act (1986), in accordance with the procedure specified in the said EIA Notification, 2006. (Copy of the EIA Notification, 2006 annexed as **Annexure-R/1**).

8. That EIA Notification, 2006 covers 38 projects/activities in its Schedule which *inter alia* include different types of infrastructure projects viz. Airports, Ports, Highways, and Building & Construction Projects etc. as specified and classified in the schedule of the said notification. All such projects/activities shall require prior environmental clearance from the concerned regulatory authority, e.g., MoEF&CC in the Central Government for matters falling under Category 'A' in the Schedule and the State Environment Impact Assessment Authority (SEIAA) at State level for matters falling under Category 'B' in the said Schedule, before starting any construction work, or preparation of land by the project management except for securing the land. Broadly following categories projects/activities are covered under the ambit of EIA Notification, 2006:

- I. *All new projects or activities listed in the Schedule to the said notification;*
- II. *Expansion and modernization of existing projects or activities listed in the Schedule to the notification with addition of capacity beyond the threshold limits given in the Schedule, after expansion or modernization; and*
- III. *Any change in product - mix in an existing manufacturing unit included in Schedule beyond the specified range.*

That under the provisions of the EIA Notification, 2006, Environment Clearance for Building & Construction Projects and Township & Area Development Projects are covered under entry 8 (a) & (b) of the Schedule to the EIA Notification, 2006. The entry 8(a) and 8(b) of the Schedule of EIA Notification 2006 provides as follows;

*"8(a): Building and Construction projects - >20000 sq. m and < 150000 sq. m of built-up area require EC.*

*8(b): Townships and Area Development projects - Covering an area > 50 ha. and or built-up area >150000 sq. m. - require EC. "*

That the aforementioned entries under item 8(a) and 8(b) are qualified as category 'B' projects under the EIA Notification, 2006 and requires appraisal by the State Level Expert Appraisal Committees (SEACs) and approved by followed by approval of the State Level Environment Impact Assessment Authorities (SEIAAs). Further, as per the EIA Notification, 2006, in the absence of a duly

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constituted SEIAA/SEAC, a category 'B' project shall be considered at the Central Level as category 'B' project.

9. It is already submitted above that the entries under item 8(a) and 8(b) are qualified as category 'B' projects under the EIA Notification, 2006 and requires appraisal by the State Level Expert Appraisal Committees (SEACs) and approved by the State Level Environment Impact Assessment Authorities (SEIAAs). It is further submitted that under the provisions of the EIA Notification, 2006 as amended time to time, if the total built up area is more than 20,000 sq. m prior Environmental Clearance is required to be obtained from concerned SEIAA.

10. Further, as per the EIA Notification, 2006, in the absence of a duly constituted SEIAA/SEAC, a category 'B' project shall be considered at the Central Level as category 'B' project. It is also submitted that as per EIA Notification, 2006 commencement of construction work either wholly or in phase wise cannot be undertaken without prior Environmental Clearance.

11. That this answering respondent, vide Notification No. S. O. 637(E) dated 28.02.2014, has authorized the SEIAAs, which have been constituted by the Central Government under sub-section (3) of section 3 of the Environment (Protection) Act, 1986 and delegated the powers under the Section 19 of the said Act to take necessary action against the violations, if any. (Copy of Notification dated 28.02.2014 is annexed as **Annexure - R/2**).

**Details of the Project with regard to grant of Environment Clearance:**

12. It is submitted that the project proponent i.e., MESASO INFRASTRUCTURE PVT. LTD. Gangtok, Sikkim obtained Environmental Clearance from the SEIAA, Sikkim on 25.02.2022 under category B of item 8(a) 'Building and Construction projects' of the schedule to the EIA Notification, 2006 and its subsequent amendments for construction of 11 storey building covering buildup area of 28806.37 sq. m. for Development of "West Point". Integrated commercial cum MLCP complex at Old West Point School Area, Near M.G Mar, Gangtok, East Sikkim.

13. It is submitted that the Project Proponent had submitted its proposal no. IA/SK/INFRA2/417703/2023 dated 23.08.2023 to the Answering Respondent (i.e. MoEF&CC) for seeking Environmental Clearance (EC) for proposed Vertical Expansion by 3 (three) Floors of "West Point"-Integrated Commercial cum MLCP Complex at Old West

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Point School Area with total built-up area of 33801.25 sqm. The aforesaid Project/activity schedule under 8(a) "Building and construction project" and was required to be appraised by concerned SEIAA, however due to non-existence of SEIAA in Sikkim, it was considered at the Central Level.

14. The aforesaid proposal was appraised by the Expert Appraisal Committee (EAC) in its 104th meeting held during 11-12 May, 2023. The matter related to site being in the high-risk zone 4 of the earthquake vulnerability map of India was deliberated and accordingly deferred, to get it technically examined by the Central Building Research Institute (CBRI), Roorkee. The proposal was again appraised by the EAC in its 106th meeting held on 30.06.2023 wherein after detailed deliberations and based on the information submitted and clarification provided by the PP, recommended granting EC to the project subject to specific and standard conditions. (Copies of Minutes of Meeting are annexed as **Annexure -R/3** and **Annexure - R/4**).

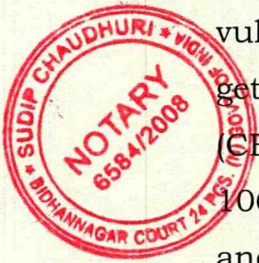
15. It is submitted that Answering Respondent has granted the aforesaid EC, after detailed examination of the documents provided by PP during appraisal process of EAC and based on the recommendation of the EAC, the Ministry granted EC as per the provisions of EIA Notifications, 2006 and amendments therein with certain terms and conditions. The relevant specific conditions while granting EC w.r.t the project under question are as follows:

*1.1 The PP shall obtain the fire safety certification from the Fire Department and also height clearance from the Airport Authority of India and submit the same to the concerned Integrated Regional office of the Ministry within six months of the issue of EC letter.*

*1.2 As proposed, 1 RWH tank with capacity of 240 KLD shall be provided by the PP for rain water harvesting after filtration. The local municipal regulation on rainwater harvesting should be followed. If the local provisions are not available then adequate provisions for storage and recharge should be made in accordance with the Ministry of Housing and Urban Affairs (erstwhile Ministry of Urban Development), Model Building Bye-laws, 2016.*

*1.4 The Environmental clearance to the project is primarily under the provisions of EIA Notification, 2006. The project proponent is under obligation to obtain approvals/clearance under any other Acts/Regulations or Statutes as applicable to the project.*

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1.5 Green Cover plan shall cover 30% of areas of the proposed MLCP for beautification of the blank areas, creations of hanging garden in all the flyover falling within the Gangtok Municipal Areas (GMC). A total of 15,000sqft of landscaped area including green terraces have been proposed.

1.6 Proponent is required to carry out "compliance audit" of the building through NABL accredited consultant once every year and an internal security drill as mandated under the Disaster Management Plan.

#### **Statutory Compliance:**



1.1 The project proponent shall obtain all necessary clearance/permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.

1.2 The approval of the Competent authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building code including protection measures from lightening etc.

1.3 The project proponent shall obtain forest clearance under the provisions of the Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.

1.4 The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.

1.5 The project proponent shall obtain consent to Establish/ Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/Committee.

1.6 The project proponent shall obtain the necessary permission for drawl of ground water/surface water required for the project from the competent authority.

1.7 All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable by the PP from the respective competent authorities. (Copy of Environmental Clearance dated 23.08.2023 is annexed as **Annexure-R/5**).

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16. That the present counter affidavit may kindly be taken on record and into consideration and the Hon'ble Tribunal may pass appropriate order(s), direction(s) as deemed fit and proper under the facts and circumstances of the present case.
17. That other/ancillary issues raised in the petition under reply do not pertain to the answering respondent. The Answering Respondent seeks leave to make additional submissions, if required, during the course of the proceedings.



*S. Shahide Parine*

DEPONENT

VERIFICATION

Verified at Kolkata on ~~27~~ <sup>28</sup> day of August, 2024 that the contents of the above affidavit are correct to my knowledge and belief based on official records and nothing material has been concealed there from.

*S. Chaudhuri*  
**S. CHAUDHURI**  
 \*NOTARY\*  
 GOVT. OF INDIA  
 Regd. No.-6584/08  
 Bidhannagar Court  
 Dist.-North 24 Pgs

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*S. Shahide Parine*

DEPONENT



**(Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii)  
MINISTRY OF ENVIRONMENT AND FORESTS  
New Delhi 14<sup>th</sup> September, 2006  
Notification**

S.O. 1533(E). - 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<sup>1</sup>, unless prior environmental clearance has been accorded in accordance with the objectives of National Environment Policy **as approved by the Union Cabinet on 18<sup>th</sup> 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 15<sup>th</sup> 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 15<sup>th</sup> 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 27<sup>th</sup> 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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b) , (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



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.

<sup>1</sup>Includes 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.

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

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- (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).
- <sup>1</sup>“(7) All decisions of the SEIAA shall be taken in a meeting and shall ordinarily be unanimous:  
Provided that, in case a decision is taken by majority, the details of views, for and against it, shall be clearly recorded in the minutes and copy thereof sent to MoEF.”

#### 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. <sup>II</sup> “In the absence of a duly constituted SEIAA

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



or SEAC, a Category 'B' project shall be considered at Central Level as a Category 'B' 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, 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 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

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

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 up on 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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

concerned shall determine the Terms of Reference on the basis of the information furnished in the prescribed application Form1/Form 1A including Terns 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, Terms of Reference suggested by the applicant if furnished and other information that may be available with 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).

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b) , (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



- (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.
- III “(cc) maintenance dredging provided the dredged material shall be disposed within port limits.”;
- III “(d) All Building or Construction projects or Area Development projects (which do not contain any category ‘A’ projects and activities) and Townships (item 8(a) and 8(b) in the Schedule to the notification).”
- 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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b) , (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

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- 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 web site. 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:**

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



- (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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b) , (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

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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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



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:**

- <sup>IV</sup> (i)(a) In respect of Category 'A' project, it shall be mandatory for the project proponent to make public the environment clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the district or State where the project is located and in addition, this shall also be displayed in the project proponent's website permanently.
- (b) In respect of Category 'B' projects, irrespective of its clearance by MoEF / SEIAA, the project proponent shall prominently advertise in the newspapers indicating that the project has been accorded environment clearance and the details of the MoEF website where it is displayed.
- (c) The Ministry of Environment and Forests and the State/Union Territory Level Environmental Impact Assessment Authorities (SEIAAs), as the case may be, shall also place the environmental clearance in the public domain on Governmental portal.
- (d) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.”;
- <sup>IV</sup> (ii) 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 1<sup>st</sup> June and 1<sup>st</sup> December of each calendar year.
- <sup>IV</sup> (iii) 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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



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 27<sup>th</sup> 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.

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



**SCHEDULE**

(See paragraph 2 and 7)

**LIST OF PROJECTS OR ACTIVITIES REQUIRING PRIOR ENVIRONMENTAL CLEARANCE**

Project or Activity		Category with threshold limit		Conditions if any
		A	B	
<b>1</b>		<b>Mining, extraction of natural resources and power generation (for a specified production capacity)</b>		
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>
<sup>v</sup> 1(a)	(i) Mining of minerals.  (ii) Slurry pipelines (coal lignite and other ores) passing through national parks / sanctuaries / coral reefs, ecologically sensitive areas.	<p>≥ 50 ha. of mining lease area in respect of non-coal mine lease.</p> <p>&gt; 150 ha of mining lease area in respect of coal mine lease.</p> <p>Asbestos mining irrespective of mining area</p> <p>All projects.</p>	<p>&lt;50 ha ≥ 5 ha .of mining lease area in respect of non-coal mine lease.</p> <p>≤ 150 ha ≥ 5 ha of mining lease area in respect of coal mine lease.</p>	<p>General Condition shall apply</p> <p>Note: Mineral prospecting is exempted.”;</p>
1(b)	Offshore and onshore oil and gas exploration, development & production	All projects		<p>Note</p> <p>Exploration Surveys (not involving drilling) are exempted provided the concession areas have got previous clearance for physical survey</p>
1(c)	River Valley projects	<p>(i) ≥ 50 MW hydroelectric power generation;</p> <p>(ii) ≥ 10,000 ha. of culturable command area</p>	<p>(i) &lt; 50 MW ≥ 25 MW hydroelectric power generation;</p> <p>(ii) &lt; 10,000 ha. of culturable command area</p>	<p><sup>v</sup> “General Condition shall apply.</p> <p>Note: Irrigation projects not involving submergence or inter-state domain shall be appraised by the SEIAA as Category ‘B’ Projects.”;</p>

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



(1)	(2)	(3)	(4)	(5)
1(d)	Thermal Power Plants	<sup>v</sup> " ≥ 500 MW (coal / lignite / naphtha & gas based); ≥ 50 MW (Pet coke diesel and all other fuels including refinery residual oil waste except biomass); ≥ 20 MW (based on biomass or non hazardous municipal waste as fuel).";	< 500 MW (coal / lignite / naphtha & gas based); <50 MW ≥ 5MW (Pet coke, diesel and all other fuels including refinery residual oil waste except biomass); ≥ 20 MW > 15 MW (based on biomass or non hazardous municipal waste as fuel).";	<sup>v</sup> "General Condition shall apply. Note: (i) Power plant up to 15 MW, based on biomass and using auxiliary fuel such as coal / lignite / petroleum products up to 15% are exempt. (ii) Power plant up to 15 MW, based on non-hazardous municipal waste and using auxiliary fuel such as coal / lignite / petroleum products up to 15% are exempt. (iii) Power plants using waste heat boiler without any auxiliary fuel are exempt.";
1(e)	Nuclear power projects and processing of nuclear fuel	All projects		
<b>2</b>		<b>Primary Processing</b>		
2(a)	Coal washeries	≥ 1 million ton/annum throughput of coal	<1million ton/annum throughput of coal	General Condition shall apply (If located within mining area the proposal shall be appraised together with the mining proposal)
2 (b)	Mineral beneficiation	≥ 0.1million ton/annum mineral throughput	< 0.1million ton/annum mineral throughput	General Condition shall apply (Mining proposal with Mineral beneficiation shall be appraised together for grant of clearance)

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



<b>3</b>				
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>
3(a)	Metallurgical industries (ferrous & non ferrous)	a) Primary metallurgical industry All projects b) Sponge iron manufacturing $\geq 200$ TPD c) Secondary metallurgical processing industry All toxic and heavy metal producing units $\geq 20,000$ tonnes /annum	Sponge iron manufacturing <200TPD Secondary metallurgical processing industry i.) All toxic and heavy metal producing units <20,000 tonnes /annum ii.) All other non –toxic secondary metallurgical processing industries >5000 tonnes/annum	<sup>v</sup> “General condition shall apply. Note: (i) The recycling industrial units registered under the HSM Rules, are exempted. (ii) In case of secondary metallurgical processing industrial units, those projects involving operation of furnaces only such as induction and electrical arc furnace, submerged arc furnace, and cupola with capacity more than 30,000 tonnes per annum (TPA) would require environmental clearance. (iii) Plant / units other than power plants (given against entry no. 1(d) of the schedule), based on municipal solid waste (non-hazardous) are exempted.”
3(b)	Cement plants	$\geq 1.0$ million tonnes/annum production capacity	<1.0 million tonnes/annum production capacity. All Stand alone grinding units	General Condition shall apply
<b>4</b>				
<b>(1)</b>	<b>(2)</b>	<b>(3)</b>	<b>(4)</b>	<b>(5)</b>
4(a)	Petroleum refining industry	All projects	-	-
4(b)	Coke oven plants	$\geq 2,50,000$ tonnes/annum	<2,50,000 & $\geq 25,000$ tonnes/annum	<sup>v</sup> “General Condition shall apply.”
4(c)	Asbestos milling and asbestos based products	All projects	-	-

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



(1)	(2)	(3)	(4)	(5)
4(d)	Chlor-alkali industry	≥300 TPD production Capacity or a unit located out side the notified industrial area/ estate	<sup>v</sup> “(i) All projects irrespective of the size, if located in a Notified Industrial Area/ Estate. (ii) <300 tonnes per day (TPD) and located outside a Notified Industrial Area/ Estate.”	<sup>v</sup> “General as well as specific condition shall apply. No new Mercury Cell based plants will be permitted and existing units converting to membrane cell technology are exempted from this notification.”
4(e)	Soda ash Industry	All projects	-	-
4(f)	Leather/skin/hide processing industry	New projects outside the industrial area or expansion of existing units out side the industrial area	All new or expansion of projects located within a notified industrial area/ estate	<sup>v</sup> “General as well as specific condition shall apply.”
<b>5</b>		<b>Manufacturing / Fabrication</b>		
5(a)	Chemical fertilizers	<sup>v</sup> “All projects except Single Super Phosphate.”	<sup>v</sup> “Single Super Phosphate.”	-
5(b)	Pesticides industry and pesticide specific intermediates (excluding formulations)	All units producing technical grade pesticides	-	-
5(c)	Petro-chemical complexes (industries based on processing of petroleum fractions & natural gas and/or reforming to aromatics)	All projects -	-	-
5(d)	Manmade fibers manufacturing	Rayon	Others	General Condition shall apply
5(e)	Petrochemical based processing (processes other than cracking & reformation and not covered under the complexes)	Located out side the notified industrial area/ estate -	Located in a notified industrial area/ estate	<sup>v</sup> “General as well as specific condition shall apply.”

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



(1)	(2)	(3)	(4)	(5)
5(f)	Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)	Located out side the notified industrial area/ estate	Located in a notified industrial area/ estate	<sup>v</sup> "General as well as specific condition shall apply."
5(g)	Distilleries	(i) All Molasses based distilleries (ii) All Cane juice/ non-molasses based distilleries $\geq 30$ KLD	All Cane juice / non-molasses based distilleries - <30 KLD	General Condition shall apply
5(h)	Integrated paint industry	-	All projects	General Condition shall apply
5(i)	Pulp & paper industry excluding manufacturing of paper from waste paper and manufacture of paper from ready pulp with out bleaching	Pulp manufacturing and Pulp & Paper manufacturing industry	Paper manufacturing industry without pulp manufacturing	General Condition shall apply
5(j)	Sugar Industry	-	$\geq 5000$ tcd cane crushing capacity	General Condition shall apply
5(k)	<sup>v</sup> Omitted			
6	<b>Service Sectors</b>			
6(a)	Oil & gas transportation pipe line (crude and refinery/ petrochemical products), passing through national parks / sanctuaries / coral reefs / ecologically sensitive areas including LNG Terminal	All projects		-

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

(1)	(2)	(3)	(4)	(5)
6(b)	Isolated storage & handling of hazardous chemicals (As per threshold planning quantity indicated in column 3 of schedule 2 & 3 of MSIHC Rules 1989 amended 2000)	-	All projects	General Condition shall apply
7	<b>Physical Infrastructure including Environmental Services</b>			
7(a)	Air ports	<sup>v</sup> "All projects including airstrips, which are for commercial use."	-	<sup>v</sup> "Note: Air strips, which do not involve bunkering/ refueling facility and or Air Traffic Control, are exempted."
7(b)	All ship breaking yards including ship breaking units	All projects	-	-
7©	Industrial estates/ parks/ complexes/ areas, export processing Zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes.	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.	Industrial estates housing at least one Category B industry and area <500 ha.  Industrial estates of area > 500 ha. and not housing any industry belonging to Category A or B.	<sup>v</sup> "Genral as well as special conditions shall apply.  Note: 1. Industrial Estate of area below 500 ha. and not housing any industry of Category 'A' or 'B' does not require clearance. 2. If the area is less than 500 ha. but contains building and construction projects > 20,000 Sq. mts. And or development area more than 50 ha it will be treated as activity listed at serial no. 8(a) or 8(b) in the Schedule, as the case may be."
7(d)	Common hazardous waste treatment, storage and disposal facilities (TSDFs)	All integrated facilities having incineration & landfill or incineration alone	All facilities having land fill only	General Condition shall apply

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



(1)	(2)	(3)	(4)	(5)
7(e)	<sup>v</sup> "Ports, harbours, break waters, dredging."	≥ 5 million TPA of cargo handling capacity (excluding fishing harbours)	< 5 million TPA of cargo handling capacity and/or ports/ harbours ≥10,000 TPA of fish handling capacity	<sup>v</sup> "General Condition shall apply. Note: 1. Capital dredging inside and outside the ports or harbors and channels are included; 2. Maintenance dredging is exempt provided it formed part of the original proposal for which Environment Management Plan (EMP) was prepared and environmental clearance obtained."
7(f)	Highways	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.	<sup>v</sup> " i) All State Highway Project; and ii) State Highway expansion projects in hilly terrain (above 1,000 m AMSL) and or ecologically sensitive areas."	General Condition shall apply. Note: Highways include expressways."
7(g)	Aerial ropeways	<sup>v(xvi)(a)</sup> "(i) All projects located at altitude of 1,000 mtr. And above. (ii) All projects located in notified ecologically sensitive areas."	<sup>v(xvi)(b)</sup> "All projects except those covered in column (3)."	General Condition shall apply
7(h)	Common Effluent Treatment Plants (CETPs)		All projects	General Condition shall apply
7(i)	Common Municipal Solid Waste Management Facility (CMSWMF)		All projects	General Condition shall apply
8		<b>Building /Construction projects/Area Development projects and Townships</b>		
8(a)	Building and Construction projects		≥20000 sq.mtrs and <1,50,000 sq.mtrs. of built-up area#	#(built up area for covered construction; in the case of facilities open to the sky, it will be the activity area)
8(b)	Townships and Area Development projects.		Covering an area ≥ 50 ha and or built up area ≥1,50,000 sq .mtrs ++	++All projects under Item 8(b) shall be appraised as Category B1

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



**Note:-**

**V(xvii) “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 identified by the Central Pollution Control Board from time to time, (iii) Eco-sensitive areas as notified under section 3 of the Environment (Protection) Act, 1986, such as, Mahabaleshwar Panchgani, Matheran, Pachmarhi, Dahanu, Doon Valley, and (iv) inter-State boundaries and international boundaries:

Provided that the requirement regarding distance of 10 km of the inter-State boundaries can be reduced or completely done away with by an agreement between the respective States or U.Ts sharing the common boundary in case the activity does not fall within 10 kilometres of the areas mentioned at item (i), (ii) and (iii) above.”

**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).

[No. J-11013/56/2004-IA-II (I)]  
(R.CHANDRAMOHAN)

JOINT SECRETARY TO THE GOVERNMENT OF INDIA

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



**APPENDIX I**  
**(See paragraph – 6)**  
**FORM 1**

**VI(a) “(I) Basic Information**

Serial Number	Item	Details
1.	Name of the project/s	
2.	S. No. in schedule	
3.	Proposed capacity/area/length/tonnage to be handled/command area/lease area/number of wells to be drilled	
4.	New/Expansion/Modernization	
5.	Existing Capacity/Area etc.	
6.	Category of Project i.e. 'A' or 'B'	
7.	Does it attract the general condition? If Yes, please specify.	
8.	Does it attract the specific condition? If Yes, please specify.	
9.	Location	
	Plot/Survey/Khasra No.	
	Village	
	Tehsil	
	District	
	State	
10.	Nearest railway station/airport along with distance in kms.	
11.	Nearest Town, city, District Headquarters along with distance in kms.	
12.	Village Panchayats, Zilla Parishad, Municipal Corporation, Local body (complete postal addresses with telephone nos. to be given)	
13.	Name of the applicant	
14.	Registered Address	
15.	Address for correspondence:	
	Name	
	Designation (Owner/Partner/CEO)	
	Address	
	Pin Code	
	E-mail	
	Telephone No.	
Fax No.		
16	Details of Alternative Sites examined, if any. Location of these sites should be shown on a topo sheet.	Village-District-State 1. 2. 3.
17.	Interlinked Projects	
18	Whether separate application of interlinked project has been submitted?	

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

19.	If yes, date of submission	
20.	If no, reason	
21.	Whether the proposal involves approval/clearance under: If yes, details of the same and their status to be given. (a) The Forest (Conservation) Act, 1980 ? (b) The Wildlife (Protection) Act, 1972 ? (c) The C.R.Z. Notification, 1991 ?	
22.	Whether there is any Government Order/Policy relevant/ relating to the site ?	
23.	Forest land involved (hectares)	
24.	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/directions of the Court, if any and its relevance with the proposed project.	

**(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.)**

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
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)		
1.2	Clearance of existing land, vegetation and buildings?		
1.3	Creation of new land uses?		
1.4	Pre-construction investigations e.g. bore houses, soil testing?		
1.5	Construction works?		
1.6	Demolition works?		
1.7	Temporary sites used for construction works or housing of construction workers?		
1.8	Above ground buildings, structures or earthworks including linear structures, cut And fill or excavations		

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



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, culverting, 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?		

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



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):**

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

**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.**

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities /rates, wherever possible) with source of information data
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)		
3.2	Changes in occurrence of disease or affect disease vectors (e.g. insect or water borne diseases)		
3.3	Affect the welfare of people e.g. by changing living conditions?		
3.4	Vulnerable groups of people who could be affected by the project e.g. hospital patients, children, the elderly etc.,		
3.5	Any other causes		

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



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

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

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

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
5.1	Emissions from combustion of fossil fuels from stationary or mobile sources.		
5.2	Emissions from production processes		
5.3	Emissions from materials handling including storage or transport		
5.4	Emissions from construction activities including plant and equipment		
5.5	Dust or odours from handling of materials including construction materials, sewage and waste		

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



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:

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
6.1	From operation of equipment e.g. engines, ventilation plant, crushers		
6.2	From industrial or similar processes		
6.3	From construction or demolition		
6.4	From blasting or piling		
6.5	From construction or operational traffic		
6.6	From lighting or cooling systems		
6.7	From any other sources		

#### 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:

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

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

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

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

**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**

S.No.	Information/Checklist confirmation	Yes/No	Details thereof (with approximate quantities/rates, wherever possible) with source of information data
9.1	Lead to development of supporting, utilities, ancillary development or development stimulated by the project which could have impact on the environment e.g.: <ul style="list-style-type: none"> <li>• Supporting infrastructure (roads, power supply, waste or waste water treatment, etc.)</li> <li>• housing development</li> <li>• extractive industries</li> <li>• supply industries</li> <li>• other</li> </ul>		
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		

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



### (III) Environmental Sensitivity

S.No.	Areas	Name/ Identity	Aerial distance (within 15 km.) Proposed project location boundary
1	Areas protected under international conventions, national or local legislation for their ecological, landscape, cultural or other related value		
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, esting, 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 ( <i>hospitals, schools, places of worship, community facilities</i> )		
10	Areas containing important, high quality or scarce Resources ( <i>ground water resources, surface resources, forestry, agriculture, fisheries, tourism, minerals</i> )		
11	Areas already subjected to pollution or environmental damage. ( <i>those where existing legal environmental standards are exceeded</i> )		
12	Areas susceptible to natural hazard which could cause the project to present environmental Problems ( <i>earthquakes, subsidence, landslides, erosion, Flooding or extreme or adverse climatic conditions</i> )		

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



#### (IV). Proposed Terms of Reference for EIA studies

<sup>VI(b)</sup> "I hereby given undertaking that the data and information given in the application and enclosures are true to the best of my knowledge and belief and I am aware that if any part of the data and information submitted is found to be false or misleading at any stage, the project will be rejected and clearance give, if any to the project will be revoked at our risk and cost."

Date: \_\_\_\_\_

Place: \_\_\_\_\_

Signature of the applicant  
With Name and Full Address  
(Project Proponent/Authorised Signatory)

#### NOTE:

1. The projects involving clearance under Coastal Regulation Zone Notification, 1991 shall submit with the application a C.R.Z. map duly demarcated by one of the authorized agencies, showing the project activities, w.r.t. C.R.Z. (at the stage of TOR) and the recommendations of the State Coastal Zone Management Authority (at the stage of EC). Simultaneous action shall also be taken to obtain the requisite clearance under the provisions of the C.R.Z. Notification, 1991 for the activities to be located in the CRZ.
2. The projects to be located within 10 km of the National Prks, Sancturies, Biosphere Reserves, Migratory Corridors of Wile Animals, the project proponenet shall submit the map duly authenticated by Chief Wildlife Warden showing these features vis-à-vis the project location and the recommendations or comments of the Chief Wildlife Warden thereon (at the stage of EC)."
3. All correspondence with the Ministry of Environment & Forests including aubmission of application for TOR/Environmental Clearance, subsequent clarifications, as may be required from time to time, participation in the EAC Meeting on behalf of the project proponenet shall be made by the authorized signatory only. The authorized signatory should also submit a document in support of his claim of being and authorized signatory for the specific project."

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



**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.)

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



- 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?

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



- 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.

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



- 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.

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



- 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?
- 9.7. Do the structures use energy-efficient space conditioning, lighting and mechanical systems? Provide technical details. Provide details of the transformers and motor efficiencies, lighting intensity and air-conditioning load assumptions? Are you using CFC and HCFC free chillers? Provide specifications.
- 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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



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 ASSESMENT DOCUMENT

S.NO	EIA STRUCTURE	CONTENTS
1.	Introduction	<ul style="list-style-type: none"> <li>• Purpose of the report</li> <li>• Identification of project &amp; project proponent</li> <li>• Brief description of nature, size, location of the project and its importance to the country, region</li> <li>• Scope of the study – details of regulatory scoping carried out (As per Terms of Reference)</li> </ul>
2.	Project Description	<ul style="list-style-type: none"> <li>• 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:               <ul style="list-style-type: none"> <li>• Type of project</li> <li>• Need for the project</li> <li>• Location (maps showing general location, specific location, project boundary &amp; project site layout)</li> <li>• Size or magnitude of operation (incl. Associated activities required by or for the project)</li> <li>• Proposed schedule for approval and implementation</li> <li>• Technology and process description</li> <li>• Project description. Including drawings showing project layout, components of project etc. Schematic representations of the feasibility drawings which give information important for EIA purpose</li> <li>• Description of mitigation measures incorporated into the project to meet environmental standards, environmental operating conditions, or other EIA requirements (as required by the scope)</li> <li>• Assessment of New &amp; untested technology for the risk of technological failure</li> </ul> </li> </ul>

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

3.	Description of the Environment	<ul style="list-style-type: none"> <li>• Study area, period, components &amp; methodology</li> <li>• Establishment of baseline for valued environmental components, as identified in the scope</li> <li>• Base maps of all environmental components</li> </ul>
4.	Anticipated Environmental Impacts & Mitigation Measures	<ul style="list-style-type: none"> <li>• 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</li> <li>• Measures for minimizing and / or offsetting adverse impacts identified</li> <li>• Irreversible and Irretrievable commitments of environmental components</li> <li>• Assessment of significance of impacts (Criteria for determining significance, Assigning significance)</li> <li>• Mitigation measures</li> </ul>
5.	Analysis of Alternatives (Technology & Site)	<ul style="list-style-type: none"> <li>• In case, the scoping exercise results in need for alternatives:</li> <li>• Description of each alternative</li> <li>• Summary of adverse impacts of each alternative</li> <li>• Mitigation measures proposed for each alternative and</li> <li>• Selection of alternative</li> </ul>
6.	Environmental Monitoring Program	<ul style="list-style-type: none"> <li>• 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)</li> </ul>
7.	Additional Studies	<ul style="list-style-type: none"> <li>• Public Consultation</li> <li>• Risk assessment</li> <li>• Social Impact Assessment. R&amp;R Action Plans</li> </ul>
8.	Project Benefits	<ul style="list-style-type: none"> <li>• Improvements in the physical infrastructure</li> <li>• Improvements in the social infrastructure</li> </ul>

I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



		<ul style="list-style-type: none"> <li>• Employment potential –skilled; semi-skilled and unskilled</li> <li>• Other tangible benefits</li> </ul>
9.	Environmental Cost Benefit Analysis	If recommended at the Scoping stage
10.	EMP	<ul style="list-style-type: none"> <li>• Description of the administrative aspects of ensuring that mitigative measures are implemented and their effectiveness monitored, after approval of the EIA</li> </ul>
11	Summary & Conclusion (This will constitute the summary of the EIA Report )	<ul style="list-style-type: none"> <li>• Overall justification for implementation of the project</li> <li>• Explanation of how, adverse effects have been mitigated</li> </ul>
12.	Disclosure of Consultants engaged	<ul style="list-style-type: none"> <li>• The names of the Consultants engaged with their brief resume and nature of Consultancy rendered</li> </ul>

### 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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



## APPENDIX IV

(See paragraph 7)

### 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 covering more than one District or State or Union Territory, the public hearing is mandated in each District, State or Union Territory in which the project is located 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 official language of the state/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 following authorities or offices, within whose jurisdiction the project will be located:

- (a) District Magistrate/District collector/Deputy commissioner/s
- (b) Zila Parishad or Municipal Corporation or Panchayats Union
- (c) District Industries Office
- (d) Urban Local Bodies (ULBs) / PRIs Concerned / Development authorities.
- (d) Concerned Regional Office of the Ministry of Environment and Forests

2.3 On receiving the draft Environmental Impact Assessment report, the abovementioned authorities except the Regional Office of 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.

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

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



inspection in select offices or public libraries or any other suitable location etc. They shall also additionally make available a copy of the draft Environmental Impact Assessment report to the above five authorities/offices as given in para 2.2.

### **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 / Official State Language. 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. In places where the newspapers do not reach, the Competent Authority should arrange to inform the local public about the public hearing by other means such as by way of beating of drums as well as advertisement / announcement on radio / television.

3.3 No postponement of the date, time, venue of the public hearing shall be undertaken, unless some untoward emergency situation occurs and then only on the recommendation of the concerned District Magistrate/District collector/Deputy Commissioner, 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/District collector/Deputy Commissioner and notified afresh as per procedure under 3.1 above.

### **4.0 Supervision and Presiding over the Hearing:**

4.1 The District Magistrate/District collector/Deputy Commissioner 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.

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



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 Persons 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 local/vernacular language and the agreed minutes shall be signed by the District Magistrate/District collector/Deputy Commissioner 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 or the Official State language, as the case may be, 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 Panchyats within whose jurisdiction the project is located, office of the concerned Zila Parishad, District Magistrate/District collector/Deputy Commissioner, 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. Thereafter 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. Simultaneously, a copy will also be provided to the project proponent. 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 incorporating the concerns expressed in the public hearing along with action plan and financial allocation, item-wise, to address those concerns.”.

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.

#### APPENDIX –V

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b) , (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



(See paragraph 7)

### 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, the appraisal shall be made on the basis of the prescribed application Form 1 and EIA 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 make recommendations on the project regarding grant of environmental clearance or otherwise and also stipulate the conditions for environmental clearance.”
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.

**Note:** The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (ii) vide notification number S.O. 1533 (E), dated 14<sup>th</sup> September, 2006 and amended vide S.O. 1737 (E), dated the 11<sup>th</sup> October, 2007.

### APPENDIX VI

(See paragraph 5)

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006

**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
- **Sectoral Experts in Project Management:** Experts in Project Management or Management of Process/Operations/Facilities in the relevant sectors.
- **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**

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b) , (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



- **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.

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I; II; III (i), (ii); IV (a), (b); V (i), (ii), (iii)(a), (b), (c), (iv), (v), (vi) (a), (b), (vii), (viii) (a), (b), (ix), (x), (xi), (xii) (a), (b), (xiii), (xiv) (a), (b), (xv) (a), (b), (xvi) (a), (b), (xvii); VI (a), (b); VII & VIII of the Notification, S.O. 3067(E) dated 01.12.2009 of the Ministry of Environment and Forests, (Published in the Gazette of India, Extraordinary, Part-II, and Section 3, Sub-section (ii), No. 2002] New Delhi, Tuesday, November 1, 2009; an amendment to EC notification S.O.1533(E) dated 14.09.2006



रजिस्ट्री सं० डी० एल०-33004/99

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पर्यावरण और वन मंत्रालय

अधिसूचना

नई दिल्ली, 28 फरवरी, 2014

**का.आ. 637(अ).**—केन्द्रीय सरकार, पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 23 द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए उक्त अधिनियम की धारा 5 के अधीन इसमें निहित शक्तियों को पर्यावरण (संरक्षण) अधिनियम, 1986 की धारा 3 की उप-धारा (3) के अधीन केन्द्रीय सरकार द्वारा गठित किए गए सभी राज्य और संघराज्यक्षेत्र पर्यावरण समाघात प्राधिकरणों (जिन्हें इसमें इसके पश्चात् उक्त प्राधिकरण कहा गया है) को उक्त प्राधिकरणों द्वारा अपनी अधिकारिता के भीतर परियोजनाओं या क्रिया कलापों को जारी पर्यावरण अनापत्तियों की शर्तों के अतिक्रमण की दशा में परियोजना प्रस्तावकों को कारण बताओ नोटिस जारी करने तथा इस शर्त के अधीन कि केन्द्रीय सरकार शक्तियों के ऐसे प्रत्यायोजन का प्रतिसंहरण कर सकेगी या उक्त अधिनियम की धारा 5 के उपबंधों को स्वयं अवलंब ले सकेगी, यदि केन्द्रीय सरकार की राय में लोक हित में ऐसी कार्यवाही आवश्यक है, यदि अपेक्षित हो तो अतिक्रमणों के लिए उक्त परियोजना प्रस्तावकों को ऐसी पर्यावरण अनापत्तियों को उन्हें प्रास्थगित रखने या वापस लिए जाने हेतु निदेश जारी करने की शक्तियों का प्रत्यायोजन करती है।

[सं. जे-11013/2/2013-आई ए (आई)]

अजय त्यागी, संयुक्त सचिव

MINISTRY OF ENVIRONMENT AND FORESTS

NOTIFICATION

New Delhi, the 28th February, 2014

**S.O. 637(E).**—In exercise of the powers conferred by section 23 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby delegates the powers vested in it under section 5 of the said Act to all the State and Union Territory Environment Impact Assessment Authorities (Hereinafter referred to as the said Authorities) constituted by the Central Government under sub-section (3) of section 3 of Environment (Protection) Act, 1986, to issue show cause notice to project proponents in case of violation of the conditions of the environment clearances issued by the said Authorities to projects or activities within their jurisdiction and to issue directions to the said project proponents for keeping such environment clearances in abeyance or withdrawing them, if required, for violations, subject to the condition that the Central Government may revoke such delegations of powers or may itself invoke the provisions of section 5 of the said Act, if in the opinion of the Central Government such a Course of action is necessary in the public interest.

[No. J-11013/2/2013-IA. (I)]

AJAY TYAGI, Jt. Secy.

**अधिसूचना**

नई दिल्ली, 28 फरवरी, 2014

**का.आ. 638(अ).**—केन्द्रीय सरकार, पर्यावरण (संरक्षण) अधिनियम, 1986 (1986 का 29) की धारा 19 के खण्ड (क) द्वारा प्रदत्त शक्तियों का प्रयोग करते हुए उक्त की धारा के प्रयोजन के लिए इससे उपाबद्ध उस सारणी के स्तंभ (3) में उनसे प्रत्येक के सामने उल्लिखित अधिकारिता के साथ उस सारणी के स्तंभ (2) में उल्लिखित प्राधिकरण या अधिकारी को प्रातिकृत करती है:

**सारणी**

क्रम संख्यांक	प्राधिकरण/अधिकारी	अधिकारिता
(1)	(2)	(3)
1.	पर्यावरण (संरक्षण) अधिनियम, 1986 की धारा 3 की उपधारा (3) के अधीन केंद्रीय सरकार द्वारा गठित राज्य या संघ राज्यक्षेत्र स्तर पर्यावरण समाघात प्राधिकरण (एस.ई.आई.ए.ए.)	संपूर्ण राज्य या संघ राज्यक्षेत्र
2.	पर्यावरण और वन मंत्रालय (एम.ओ.ई.एफ.) के किन्हीं प्रादेशिक कार्यालयों में तैनात कोई निदेशक, वन संरक्षक या अपर प्रधान मुख्य वन संरक्षक	पर्यावरण और वन मंत्रालय द्वारा यथा-विनिश्चित प्रादेशिक कार्यालय की अधिकारिता

[सं. जे-11013/2/2013-आई ए (आई)]

अजय त्यागी, संयुक्त सचिव

**NOTIFICATION**

New Delhi, the 28th February, 2014

**S.O. 638(E).**—In exercise of the powers conferred by clause (a) of section 19 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby authorises the Authority or officer mentioned in column (2) of the Table hereto for the purpose of the said section with the jurisdiction mentioned against each of them in column (3) of that Table:

**TABLE**

S. No.	Authority/Officer	Jurisdiction
(1)	(2)	(3)
1.	State or Union Territory level Environment Impact Assessment Authority (SEIAA) constituted by the Central Government under sub-section (3) of section 3 of the Environment (Protection) Act, 1986.	Whole of State or Union Territory
2.	Any Director, Conservator of Forests or Additional Principal Chief Conservator of Forests Posted in any of the Regional Offices of the Ministry of Environment and Forests (MoEF).	Jurisdiction of the Regional Office as decided by the Ministry of Environment and Forests

[No. J-11013/2/2013-IA. (I)]

AJAY TYAGI, Jt. Secy.

Proposed Vertical Expansion by 3 Floors of “WEST POINT” - Integrated Commercial cum MLCP Complex by Mesaso Infrastructure Pvt. Ltd. by MESASO INFRASTRUCTURE PVT. LTD. located at Gangtok, SIKKIM			
Proposal For		Fresh ToR	
Proposal No	File No	Submission Date	Activity (Schedule Item)
IA/SK/INFRA2/417703/2023	21/1/2023-IA.III	25/04/2023	Building / Construction (8(a))

### 3.2.2. Project Salient Features

1. The project is located at 27°19'47.24"N Latitude and 88°36'40.93"E Longitude.
2. The project is an expansion project.
3. Earlier Clearance details, Constructions status, if any

Project Proponent, MESASO Infrastructure Pvt. Ltd., had applied for obtaining Environmental Clearance (EC) from SEIAA, Sikkim, for the construction of “WEST POINT” – integrated Commercial cum MLCP Complex at Old West Point School Area, Near M.G. Marg, Gangtok, East Sikkim, of configuration 4G+10 storey.

At that time, sanction plan was available for 4G+7 storey.

Hence, EC was also granted by SEIAA, Sikkim vide EC Identification no. EC22B038SK115854 dated 25.02.2022, for 4G+7 storey after appraisal on 22<sup>nd</sup> February, 2022.

Construction of 25,675 sqm out of 33801.25 sqm has been done as on date as per EC obtained.

1. If the project is for EC under EIA Notification, 2006
2. For the first time appraisal by EAC
3. Date of ToR [in case of item 8(b)] – Not applicable
4. Point-wise ToR compliance – Not applicable
5. Second/subsequent appraisal – The expansion project is being appraised for the first time by EAC.
6. Date of first /earlier appraisal(s) by EAC/SEAC
7. Details of the information sought by the EAC/SEAC with the responses of PP
8. The total plot area is 5665.55 sqm, Total construction (Built-up) area of 33801.25 sqm. Maximum height of the building is 62 m. The details of building are as follows:

The mixed use development building of configuration 4G+10, shall comprise of :

- Parking for 448 car park in the lower 4 floors.
  - Mall with a multiplex (44 retail outlets + 3 anchor stores) & food court
  - Boutique hotel having 60 keys (52 deluxe rooms + 8 suites) with a roof top swimming pool.
1. During construction phase, total water requirement is expected to be 50 KLD which is met by Municipal supply. During the construction phase, soak pits and septic tanks are provided for disposal of waste water. Temporary sanitary toilets are provided during peak labor force.
  2. During operational phase, total water requirement of the project is expected to be 160 KLD and the same will be met by 108 KLD fresh water from Municipal supply and 52 KLD recycled water. Wastewater generated (120 KLD) will be treated in STP of total 120 KLD capacity. 102 KLD of treated wastewater will be recycled and re-used (52 KLD for flushing and rest 50 KLD for gardening, car washing, etc.). 0 KLD will be disposed in to municipal drain.
  3. About 670 kg/day solid wastes will be generated in the project. The biodegradable waste (335 kg/day) will be processed in OWC and the non-biodegradable waste generated (335 kg/day) will be handed over to authorized local vendor.
  4. The total power requirement during construction phase is 100 KVA and will be met from Power & Energy Department, Sikkim and total power requirement during operation phase is 2198 KW and will be met from Power & Energy Department, Sikkim.
  5. Provision for capturing rain water, tank of capacity of 240 KLD with retention time of 30 minutes shall be provided.
  6. Parking facility for 448 four wheelers has been provided in the lower 4 floors of the MLCP cum Commercial

complex.

7. Proposed energy saving measures would save about 12.18% of power. The following energy saving measures shall be undertaken :

- Materials preferred for construction shall be environment friendly & have a low embodied energy. This will help in keeping the environment cleaner & greener.
- The building made of prefabricated steel members with nominal use of concrete which is only used in wet cores and as deck slabs, reduces the consumption of water during construction. This method of construction also doesn't create air pollution during construction stages.
- Proposed MEP System shall use state of the art technology. The target is to ptimiz minimum possible resources and ptimiza the system.
- LED & other appliances having higher BEE rating shall be used to reduce power consumption. Likewise, Low flow water sanitary fixtures shall be used to reduce water consumption. The aim is achieve GRIHA Gold rating.
- A building management system has been proposed for resource ptimization and efficiency in energy consumption.
- Building services such as the HVAC system, pumping system would be centrally controlled. It is envisaged to provide a state-of-the-art Building Management System for the services of the Mall / Cinema / Hotel areas of Mixed Use Project at Gangtok.

1. Comparative analysis of existing / envision pollution load (in case of expansion / modernization)

The current proposal is for vertical expansion of 3 floors above the 4G+7 Integrated Commercial cum MLCP complex. Environmental Clearance vide File No. : 214/E & SC and EC Identification no. EC22B038SK115854 dated 25.02.2022 and Consent to Establish vide Ref. No. 1142/SPCB dated 24.02.2022, has already been obtained for construction of the 4G+7 Integrated Commercial cum MLCP complex.

1. Impact of proposed project/activity on Air, Water, Noise, Ecology and proposed mitigation measures

#### Impact and proposed mitigation measures during Construction

<b>A</b>	<b>Work force</b>	Local labourers shall be employed.
<b>B</b>	<b>Facilities at site</b>	Provision of drinking water, waste water disposal and solid waste management has been provided for site office & labour restrooms. Water usage during construction & curing is optimized. Proper sanitation for site office & construction workers have been provided. Health and safety, of the workers has been ensured during construction.
<b>C</b>	<b>Steps to avoid disturbance</b>	DG sets have acoustic enclosures and confirm to E (P) Rules. Ambient noise levels conform to local standards during day and night. Only limited necessary construction is done during night time. Excessive energy consumption and fuel usage is avoided.
<b>D</b>	<b>Selection of material</b>	Materials preferred for construction are environment friendly & have a low embodied energy. This helps in keeping the environment cleaner & greener. The building is made of prefabricated steel members with nominal use of concrete which is only used in wet cores and as deck slabs, to reduce the consumption of water during construction. This method of construction also doesn't create air pollution during construction stages. Proposed MEP System shall use state of the art technology. The target is to ptimiz minimum possible resources and ptimiza the system. LED & other appliances having higher BEE rating shall be used to reduce power consumption. Likewise, Low flow water sanitary fixtures shall be used to reduce water consumption. The aim is achieve GRIHA Gold rating. A building management system has been proposed for resource ptimization and efficiency in energy consumption.

		Building services such as the HVAC system, pumping system would be centrally controlled. It is envisaged to provide a state-of-the-art Building Management System for the services of the Mall/Cinema/Hotel areas of Mixed Use Project at Gangtok. Adequate open space, greenery will be provided as per rules.
<b>E</b>	<b>Concreting work</b>	Adequate screen wall has been provided to a height to control fugitive emission generated during construction. Using of Ready Mixed Concrete (RMC) further reduces fugitive emission.
<b>F</b>	<b>Dust</b>	Water sprinkling is done regularly in the material dumping area, to avoid spreading of dust. Screening wall is placed all around the project site to arrest fugitive dust from spreading out of the site.
<b>G</b>	<b>Debris</b>	Construction debris including bricks, gravel, rubbish, waste of plaster, concrete debris, metal tiles, etc. is used within the project site for land filling activities, road work, etc. The construction and demolition wastes are utilized as per the Construction and Demolition (C & D) Waste Management Rules, 2016. Other wastes like, pieces of steel, cement bags, waste paper and cardboard packing material are sold off to recyclers.
<b>I</b>	<b>Dumping material of</b>	The construction materials are not dumped in public roads around the property.
<b>J</b>	<b>Construction equipment</b>	Vehicles / equipment deployed during construction are in good condition, properly maintained and confirm to applicable air / noise emission standards & (PUC) norms. Underneath of the vehicles are regularly washed & cleaned before leaving the site, to avoid spillage outside the site. The contractor will remove all construction equipment and scrap materials from the site on completion of construction activity.
<b>K</b>	<b>Water Accumulation</b>	No water accumulation is allowed in the construction site. Proper disposal system is made to prevent stagnation of water.
<b>L</b>	<b>Others</b>	Construction conforms to the sanction plan by the concerned authority and requirement of local seismic regulations. All statutory / necessary permission will be obtained prior to & post construction. Fire-fighting systems will be designed in compliance with the local authority. Construction site is disinfected periodically. Walking platforms at height are of sound construction and provided with safety rails or belts.

#### Impact and proposed mitigation measures during Operation

<b>A</b>	<b>Water Supply</b>	Total 108 KLD of fresh water will be required which will be supplied by Tankers / Municipal Authorities. Groundwater will not be abstracted.
<b>B</b>	<b>Storm water Management</b>	Adequate in-house drainage network has been designed for the project without disturbing the surrounding areas. Heat island effect has been minimized by use of shading and reducing hard surfaces viz. roads, paving etc.
<b>C</b>	<b>Rain Water Harvesting</b>	Rain water Harvesting plan has been formulated. Adequate fire fighting storage tank has been provided as per norms.
<b>D</b>	<b>Plantation / Landscaping</b>	Green belt development programme shall be taken up once the construction work is completed.
<b>E</b>	<b>Waste water Management</b>	The treated wastewater from STP shall be reused for flushing, landscaping & car washing purposes. A Centralized STP plant of 120 KL capacity has been proposed. Balance treated wastewater shall be disposed off into the Municipal sewer network.

<b>F</b>	<b>Solid waste Management</b>	Solid waste during operational phase in general will be of domestic nature. Garbage will be segregated at source for biodegradable, inorganic recyclables and inorganic inert material during operational phase (670 kg/day). Total MSW will be stored at a place within the site. Organic component will be managed in house by installing mechanical composter, inorganic recyclables will be sold to vendors and inorganic inert material will be stored at a place within the site. From there it be collected, transported, treated and disposed off by local authority as per Rules.
<b>H</b>	<b>Hazardous Waste Management</b>	Spent Oil from DG sets will be carefully stored in HDPE drums in isolated covered facility and disposed as per the guidance of competent authority. Suitable care will be taken so that spills/ leaks of spent oil from storage could be avoided.
<b>I</b>	<b>Emission from Diesel Generator</b>	DG sets will be provided with acoustic enclosures as per CPCB norms. The stack height and emissions from D.G. sets will conform to CPCB norms.
<b>H</b>	<b>Energy Efficiency</b>	The lighting design, heating, ventilation and air conditioning systems will conform to the ECBC recommendations. Use of energy efficient electrical systems will be promoted. High efficiency lamps, etc. will be used. Energy efficient Motors and properly rated Transformers will be installed.

1. Whether the project is in Critically Polluted area

No the project is not located in Critically Polluted area.

1. It is located within 10 km of Eco Sensitive Zone (Yes/No). If Yes, provide details.

- Gangtok Ropeway – 1.0 km, S from the project site
- Sikkim Himalayan Zoological Park – 1.6 km, NE from the project site
- Jawaharlal Nehru Botanical Garden – 3.9 km, SW from the project site
- Bakthang Waterfall – 3.3 km, NNE from the project site
- Ban Jhakri Falls Park – 2.4 km, NNW from the project site
- Shanti View Point – 5.1 km, SW from the project site
- Fambonglho Wildlife Sanctuary – 9.7 km, NW from the project site
- Puttali jharna, Butterfly Waterfall – 10 km, NW from the project site
- Creg View Point – 7.0 km, NNE from the project site

1. NBWL Clearance is required: Yes/No. If Yes, status of NBWL clearance.

No

1. Forest Clearance is required: Yes/No. If Yes, status of Stage-1 clearance.

No

1. Court case pending against the project (Yes/No). If Yes, provide details.

No

1. Details of commitment as mentioned in the Form 1A / Conceptual Plan / EIA

Greenbelt development shall be carried out.

Environment management plan and mitigation measures shall be carried out.

1. Green belt development and Details of tree felling / transplantation

As per EC already obtained from SEIAA, Sikkim vide EC Identification no. EC22B038SK115854 dated

25.02.2022, Green cover plan shall cover 30% of total areas of the proposed MLCP for beautification of the blank areas, creation of hanging garden in all the flyover falling within the Gangtok Municipal Areas (GMC). The condition as laid down in the EC shall be followed.  
 The proposed complex has landscape garden and plantation along the boundary, road side, etc. Additionally, terraces shall be created with extensive planting to minimize the heat loads. A total of 15,000 sqft of landscaped area including green terraces have been proposed.

1. Undertaking to the effect that no activity has since been taken up

Construction work is going on at site for 4G+7 floors and it is being done without any deviation from the conditions granted as per previous EC obtained from SEIAA, Sikkim, vide EC Identification no. EC22B038SK115854 dated 25.02.2022.  
 Construction of 25,675 sqm out of 33801.25 sqm has been done as on date as per previous EC obtained from SEIAA, Sikkim.  
 Undertaking in this regard has been enclosed.

1. Expected timeline for completion of the project

It is expected that around 4 years would be required for completion of the project.

- 1. Investment / Cost of the project is Rs. 298.2 Crores.
- 2. Employment potential

250 construction workers have been employed during the construction phase.  
 About 2500 people will get employment during operation phase of the project.

1. Benefits of the project

There will be employment of local people as service population, staff at the mall, auditoriums, restaurants, etc. This area will become one of the most prosperous commercial hub in the vicinity with world-class facilities. This will uplift the entire socio-economic profile of the area. Thus it is envisaged that this project will help the local population immensely.

**3.2.3. Deliberations by the EAC in previous meetings**

N/A

**3.2.4. Deliberations by the EAC in current meetings**

The project proponent along with the consultant made a presentation of their proposal related to above mentioned integrated complex (Annexure-6). The EAC has noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to non-existence of SEIAA in Sikkim, the proposal required appraisal as category B project by sectoral EAC at central level.

It was explained that entire waste water will be recycled and the facility will be maintained as a Zero discharge system. The CER fund in excess of 1.5% of project cost is assured by the project proponent. A green belt cover exceeding 50% of built up area of the project shall be established within the present boundary and also on the approved sites along the roads in the smart city.

A point of concern in this project was the presence of swimming pool on the top floor of the expansion now proposed. In view of the fact that this site is located in the high risk zone 4 of the earthquake vulnerability map of India, the committee directed that the desirability of constructing swimming pool on the top floor may be got examined by the Central Building Research Institute (CBRI), Roorkee.

Accordingly, the proposal was **deferred** till a report from the CBRI, Roorkee, is obtained by the project proponent and submitted.

**3.2.5. Recommendation of EAC**

Deferred for ADS



11.	The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain (in case of incineration involved).
12.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
13.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
14.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
15.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
16.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
17.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
18.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
19.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
20.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
21.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
<b>Specific Conditions</b>	
1.	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

### 3.5. Agenda Item No 5:

#### 3.5.1. Details of the proposal

<b>Proposed Vertical Expansion by 3 Floors of "WEST POINT" - Integrated Commercial cum MLCP Complex by Mesaso Infrastructure Pvt. Ltd. by MESASO INFRASTRUCTURE PVT. LTD. located at Gangtok,SIKKIM</b>			
<b>Proposal For</b>		Fresh EC	
<b>Proposal No</b>	<b>File No</b>	<b>Submission Date</b>	<b>Activity</b>

			(Schedule Item)
IA/SK/INFRA2/417703/2023	21/1/2023-IA.III	25/04/2023	Building / Construction (8(a))

### 3.5.2. Project Salient Features

The project proponent and the consultant (Envirotech East Pvt. Ltd., Kolkata) have made following detailed presentation:

1. The project is located at 27°19'47.24"N Latitude and 88°36'40.93"E Longitude.
2. The project is an expansion project.
3. Earlier Clearance details, Constructions status, if any
4. PP has obtained EC from SEIAA, Sikkim vide EC Identification no. EC22B038SK115854 dated 25.02.2022, for 4G+7 storey after appraisal on 22<sup>nd</sup> February, 2022. Construction of 25,675 sqm out of 33801.25 sqm has been done as on date as per EC obtained.
5. The expansion project is being appraised for the first time by EAC. The total plot area is 5665.55 sqm, Total construction (Built-up) area of 33801.25 sqm. Maximum height of the building is 62 m. The mixed use development building of configuration 4G+10, shall comprise of Parking for 448 car park in the lower 4 floors, Mall with a multiplex (44 retail outlets + 3 anchor stores) & food court, Boutique hotel having 60 keys (52 deluxe rooms + 8 suites) with a roof top swimming pool.
6. During construction phase, total water requirement is expected to be 50 KLD which is met by Municipal supply. During the construction phase, soak pits and septic tanks are provided for disposal of waste water. Temporary sanitary toilets are provided during peak labor force.
7. During operational phase, total water requirement of the project is expected to be 160 KLD and the same will be met by 108 KLD fresh water from Municipal supply and 52 KLD recycled water. Wastewater generated (120 KLD) will be treated in STP of total 120 KLD capacity. 102 KLD of treated wastewater will be recycled and re-used (52 KLD for flushing and rest 50 KLD for gardening, car washing, etc.). 0 KLD will be disposed in to municipal drain.
8. About 670 kg/day solid wastes will be generated in the project. The biodegradable waste (335 kg/day) will be processed in OWC and the non-biodegradable waste generated (335 kg/day) will be handed over to authorized local vendor.
9. The total power requirement during construction phase is 100 KVA and will be met from Power & Energy Department, Sikkim and total power requirement during operation phase is 2198 KW and will be met from Power & Energy Department, Sikkim.
10. Provision for capturing rain water, tank of capacity of 240 KLD with retention time of 30 minutes shall be provided.
11. Parking facility for 448 four wheelers has been provided in the lower 4 floors of the MLCP cum Commercial complex.
12. Proposed energy saving measures would save about 12.18% of power. The following energy saving measures shall be undertaken:
13. Materials preferred for construction shall be environment friendly & have a low embodied energy. This will help in keeping the environment cleaner & greener.
14. The building made of prefabricated steel members with nominal use of concrete which is only used in wet cores and as deck slabs, reduces the consumption of water during construction. This method of construction also doesn't create air pollution during construction stages.
15. Proposed MEP System shall use state of the art technology. The target is to optimize minimum possible resources and optimize the system.
16. LED & other appliances having higher BEE rating shall be used to reduce power consumption. Likewise, Low flow water sanitary fixtures shall be used to reduce water consumption. The aim is achieving GRIHA Gold rating.
17. A building management system has been proposed for resource optimization and efficiency in energy consumption.
18. Building services such as the HVAC system, pumping system would be centrally controlled. It is envisaged to provide a state-of-the-art Building Management System for the services of the Mall / Cinema / Hotel areas of Mixed Use Project at Gangtok.
19. Comparative analysis of existing / envision pollution load (in case of expansion / modernization)
20. The current proposal is for vertical expansion of 3 floors above the 4G+7 Integrated Commercial cum MLCP complex. Environmental Clearance vide File No. : 214/E & SC and EC Identification no. EC22B038SK115854 dated 25.02.2022 and Consent to Establish vide Ref. No. 1142/SPCB dated 24.02.2022, has already been obtained for construction of the 4G+7 Integrated Commercial cum MLCP complex.
21. Impact of proposed project/activity on Air, Water, Noise, Ecology and proposed mitigation measures

#### a. Impact and proposed mitigation measures during Construction



<b>A</b>	<b>Work force</b>	Local labourers shall be employed.
<b>B</b>	<b>Facilities at site</b>	Provision of drinking water, waste water disposal and solid waste management has been provided for site office & labour restrooms. Water usage during construction & curing is optimized. Proper sanitation for site office & construction workers have been provided. Health and safety, of the workers has been ensured during construction.
<b>C</b>	<b>Steps to avoid disturbance</b>	DG sets have acoustic enclosures and confirm to E (P) Rules. Ambient noise levels conform to local standards during day and night. Only limited necessary construction is done during night time. Excessive energy consumption and fuel usage is avoided.
<b>D</b>	<b>Selection of material</b>	Materials preferred for construction are environment friendly & have a low embodied energy. This helps in keeping the environment cleaner & greener. The building is made of prefabricated steel members with nominal use of concrete which is only used in wet cores and as deck slabs, to reduce the consumption of water during construction. This method of construction also doesn't create air pollution during construction stages. Proposed MEP System shall use state of the art technology. The target is to ptimiz minimum possible resources and ptimiza the system. LED & other appliances having higher BEE rating shall be used to reduce power consumption. Likewise, Low flow water sanitary fixtures shall be used to reduce water consumption. The aim is achieve GRIHA Gold rating. A building management system has been proposed for resource ptimization and efficiency in energy consumption. Building services such as the HVAC system, pumping system would be centrally controlled. It is envisaged to provide a state-of-the-art Building Management System for the services of the Mall/Cinema/Hotel areas of Mixed Use Project at Gangtok. Adequate open space, greenery will be provided as per rules.
<b>E</b>	<b>Concreting work</b>	Adequate screen wall has been provided to a height to control fugitive emission generated during construction. Using of Ready Mixed Concrete (RMC) further reduces fugitive emission.
<b>F</b>	<b>Dust</b>	Water sprinkling is done regularly in the material dumping area, to avoid spreading of dust. Screening wall is placed all around the project site to arrest fugitive dust from spreading out of the site.
<b>G</b>	<b>Debris</b>	Construction debris including bricks, gravel, rubbish, waste of plaster, concrete debris, metal tiles, etc. is used within the project site for land filling activities, road work, etc. The construction and demolition wastes are utilized as per the Construction and Demolition (C & D) Waste Management Rules, 2016. Other wastes like, pieces of steel, cement bags, waste paper and cardboard packing material are sold off to recyclers.
<b>I</b>	<b>Dumping of material</b>	The construction materials are not dumped in public roads around the property.
<b>J</b>	<b>Construction equipment</b>	Vehicles / equipment deployed during construction are in good condition, properly maintained and confirm to applicable air / noise emission standards & (PUC) norms. Underneath of the vehicles are regularly washed & cleaned before leaving the site, to avoid spillage outside the site. The contractor will remove all construction equipment and scrap materials from the site on completion of construction activity.
<b>K</b>	<b>Water Accumulation</b>	No water accumulation is allowed in the construction site.



		Proper disposal system is made to prevent stagnation of water.
<b>L</b>	<b>Others</b>	Construction conforms to the sanction plan by the concerned authority and requirement of local seismic regulations. All statutory / necessary permission will be obtained prior to & post construction. Fire-fighting systems will be designed in compliance with the local authority. Construction site is disinfected periodically. Walking platforms at height are of sound construction and provided with safety rails or belts.

#### b. Impact and proposed mitigation measures during Operation

<b>A</b>	<b>Water Supply</b>	Total 108 KLD of fresh water will be required which will be supplied by Tankers / Municipal Authorities. Groundwater will not be abstracted.
<b>B</b>	<b>Storm water Management</b>	Adequate in-house drainage network has been designed for the project without disturbing the surrounding areas. Heat island effect has been minimized by use of shading and reducing hard surfaces viz. roads, paving etc.
<b>C</b>	<b>Rain Water Harvesting</b>	Rain water Harvesting plan has been formulated. Adequate fire fighting storage tank has been provided as per norms.
<b>D</b>	<b>Plantation / Landscaping</b>	Green belt development programme shall be taken up once the construction work is completed.
<b>E</b>	<b>Waste water Management</b>	The treated wastewater from STP shall be reused for flushing, landscaping & car washing purposes. A Centralized STP plant of 120 KL capacity has been proposed. Balance treated wastewater shall be disposed off into the Municipal sewer network.
<b>F</b>	<b>Solid waste Management</b>	Solid waste during operational phase in general will be of domestic nature. Garbage will be segregated at source for biodegradable, inorganic recyclables and in-organic inert material during operational phase (670 kg/day). Total MSW will be stored at a place within the site. Organic component will be managed in house by installing mechanical composter, inorganic recyclables will be sold to vendors and inorganic inert material will be stored at a place within the site. From there it be collected, transported, treated and disposed off by local authority as per Rules.
<b>H</b>	<b>Hazardous Waste Management</b>	Spent Oil from DG sets will be carefully stored in HDPE drums in isolated covered facility and disposed as per the guidance of competent authority. Suitable care will be taken so that spills/ leaks of spent oil from storage could be avoided.
<b>I</b>	<b>Emission from Diesel Generator</b>	DG sets will be provided with acoustic enclosures as per CPCB norms. The stack height and emissions from D.G. sets will conform to CPCB norms.
<b>H</b>	<b>Energy Efficiency</b>	The lighting design, heating, ventilation and air conditioning systems will conform to the ECBC recommendations. Use of energy efficient electrical systems will be promoted. High efficiency lamps, etc. will be used. Energy efficient Motors and properly rated Transformers will be installed.

22. Proposed project is not located in Critically Polluted area.

23. No NBWL Clearance is required

24. No Forest Clearance is required for this project

25. No court case pending against this project

26. Green cover plan shall cover 30% of total areas of the proposed MLCP for beautification of the blank areas, creation of hanging garden in all the flyover falling within the Gangtok Municipal Areas (GMC). A total of 15,000 sqft of landscaped area including green terraces have been proposed.

27. It is expected that around 4 years would be required for completion of the project.

28. Total Cost of the project is Rs. 298.2 Crores.
29. 250 construction workers have been employed during the construction phase. About 2500 people will get employment during operation phase of the project.
30. Benefits of the project: There will be employment of local people as service population, staff at the mall, auditoriums, restaurants, etc. This area will become one of the most prosperous commercial hub in the vicinity with world-class facilities. This will uplift the entire socio-economic profile of the area. Thus it is envisaged that this project will help the local population immensely.

### 3.5.3. Deliberations by the EAC in previous meetings

**Date of EAC 1 :**12/05/2023

**Deliberations of EAC 1 :**

The project proponent along with the consultant made a presentation of their proposal related to above mentioned integrated complex (Annexure-6). The EAC has noted that the project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at State level. However, due to non-existence of SEIAA in Sikkim, the proposal required appraisal as category B project by sectoral EAC at central level.

It was explained that entire waste water will be recycled and the facility will be maintained as a Zero discharge system. The CER fund in excess of 1.5% of project cost is assured by the project proponent. A green belt cover exceeding 50% of built up area of the project shall be established within the present boundary and also on the approved sites along the roads in the smart city.

A point of concern in this project was the presence of swimming pool on the top floor of the expansion now proposed. In view of the fact that this site is located in the high risk zone 4 of the earthquake vulnerability map of India, the committee directed that the desirability of constructing swimming pool on the top floor may be got examined by the Central Building Research Institute (CBRI), Roorkee.

Accordingly, the proposal was **deferred** till a report from the CBRI, Roorkee, is obtained by the project proponent and submitted.

### 3.5.4. Deliberations by the EAC in current meetings

The project proponent along with the consultant made a presentation of their proposal related to above mentioned integrated complex. The EAC noted that the activity was covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and required appraisal at State level. However, due to temporary non-existence of SEIAA in Sikkim, the proposal was appraised as category B project by sectoral EAC at central level.

The proposal was earlier appraised by the EAC in its 104<sup>th</sup> meeting held on 11-12 May, 2023 when it noted that a point of concern in this project was the presence of a swimming pool on the top floor of the expansion now proposed. In view of the fact that this site is located in the high risk zone 4 of the earthquake vulnerability map of India, the EAC deferred the proposal and asked the PP to get the proposal technically examined by the Central Building Research Institute (CBRI), Roorkee.

Now in the present meeting the PP informed the Committee that the CBRI authorities have informed them that a minimum of 5-6 months time would be required for reviewing, vetting of the design and providing their report. The project proponent further informed that the proposed project is being developed under PP mode with lower 4 floors of the project dedicated for car parking among which 2 floors are dedicated exclusively for taxi parking. There was an existing old taxi stand at the site which has been temporarily shifted to another site. These two floors for taxi parking need to be completed and handed over to the Government of Sikkim / Smart City latest by December, 2023, because of acute shortage of parking space in Gangtok. The temporary site where the taxi parking has been rehabilitated needs to be vacated by December, 2023. In view of this urgency the project proponent requested to EC to complete the project **without the swimming pool** and the permission to build the swimming pool may be granted later if the CBRI gives positive recommendations.

The EAC, after detailed deliberations, found merit in the request of the PP to go ahead with the project without the roof-top swimming pool the addition of which can be considered at a later date after the issue is examined by the CBRI. The EAC further agreed that if the CBRI is unable to undertake this task early enough then the PP may get the issue of construction of roof-top swimming pool examined by some other institution of national repute having expertise in construction of buildings in zones of high seismic activity.

Accordingly, the EAC **recommended** granting of environmental clearance to the project **without roof-top swimming pool** and subject to the following specific conditions and other Standard EC Conditions as specified by the Ministry

vide OM dated 4<sup>th</sup> January, 2019 for the said Project/activity:

### 3.5.5. Recommendation of EAC

Recommended

### 3.5.6. Details of Environment Conditions

#### 3.5.6.1. Specific

Specific Condition	
1.	The PP shall obtain the Fire safety certification from Fire Department and also height clearance from the Airports Authority of India and submit the same to the concerned Integrated Regional Office of the Ministry within six months of the issue of EC letter.
Specific Condition	
1.	As proposed, 1 RWH tank with capacity of 240 KLD shall be provided by the PP for rain water harvesting after filtration. The local municipal regulations on rainwater harvesting should be followed. If local provisions are not available then adequate provision for storage and recharge should be made in accordance with the Ministry of Housing and Urban Affairs (erstwhile Ministry of Urban Development), Model Building Bye-laws, 2016.
2.	The project proponents would commission a third-party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing, comparative bacteriological studies using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
3.	The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals/clearances under any other Acts/Regulations or Statutes as applicable to the project.
4.	As proposed, waste water shall be treated onsite in STP of 120 KLD capacity.
5.	Fresh water requirement shall not exceed 160 KLD during the operational phase and the extraction of groundwater shall be subject to permission by the Central Ground Water Authority (CGWA).
6.	Green cover plan shall cover 30% of total areas of the proposed MLCP for beautification of the blank areas, creation of hanging garden in all the flyover falling within the Gangtok Municipal Areas (GMC). A total of 15,000 sqft of landscaped area including green terraces have been proposed.
7.	As committed, parking facility for 448 four wheelers is to be provided in the lower 4 floors of the MLCP cum Commercial complex.
8.	The solid waste shall be duly segregated into biodegradable and non- biodegradable components and handled in separate areas earmarked for segregation of solid waste, as per SWM Rules, 2016. As committed, biodegradable waste shall be utilized through the OWC to be installed within the site. Inert waste shall be disposed of as per norms at authorized sites. Recyclable waste shall be sold to authorized vendors/recyclers. Construction & Demolition (C&D) waste shall be segregated and managed as per C&D Waste Management Rules, 2016.



9.	As committed, PP shall ensure installation of solar-based lighting and LEDs to meet 10 % of total power requirement.

**3.5.6.2. Standard**

8(a)	<b>Building / Construction</b>
<b>Statutory compliance</b>	
1.	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
2.	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
3.	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
4.	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
5.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
6.	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
7.	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
8.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
9.	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.
10.	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.
<b>Air quality monitoring and preservation</b>	
1.	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2.	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
3.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind

	directions during the construction period.
4.	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
5.	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
6.	Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
7.	Wet jet shall be provided for grinding and stone cutting.
8.	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
9.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.
10.	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
11.	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
12.	For indoor air quality the ventilation provisions as per National Building Code of India.
<b>Water quality monitoring and preservation</b>	
1.	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
2.	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3.	Total fresh water use shall not exceed the proposed requirement as provided in the project details.
4.	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
5.	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
6.	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.

7.	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
8.	Use of water saving devices/fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
9.	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
10.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
11.	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
12.	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
13.	All recharge should be limited to shallow aquifer.
14.	No ground water shall be used during construction phase of the project.
15.	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
16.	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
17.	No sewage or untreated effluent water would be discharged through storm water drains.
18.	Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
19.	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
20.	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### **Noise monitoring and prevention**

1.	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated
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	standards by CPCB / SPCB.
2.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
3.	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
<b>Energy Conservation measures</b>	
1.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
2.	Outdoor and common area lighting shall be LED.
3.	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
4.	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
5.	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
6.	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
<b>Waste Management</b>	
1.	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
2.	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
3.	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
4.	Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a minimum capacity of 0.3 kg /person/day must be installed.
5.	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6.	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
7.	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.

8.	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
9.	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
10.	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.
<b>Green Cover</b>	
1.	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
2.	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
3.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.
<b>Transport</b>	
1.	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria. a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit points. d. Parking norms as per local regulation.
2.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
<b>null</b>	
1.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.
<b>Human health issues</b>	
1.	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
2.	For indoor air quality the ventilation provisions as per National Building Code of India.
3.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster

	Management Plan shall be implemented.
4.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
5.	Occupational health surveillance of the workers shall be done on a regular basis.
6.	A First Aid Room shall be provided in the project both during construction and operations of the project.
<b>Miscellaneous</b>	
1.	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
2.	ii. environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
3.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
4.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
5.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
6.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
7.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report
8.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
9.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
10.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.

12.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
13.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
14.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
15.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
16.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
17.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
18.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

### 3.6. Agenda Item No 6:

#### 3.6.1. Details of the proposal

<b>Residential Cum Commercial Complex Project “Bhawani Courtyard” (Under Violation) by HIMANGA MERCANTILES PRIVATE LIMITED located at 24 PARAGANAS NORTH, WEST BENGAL</b>			
<b>Proposal For</b>		Fresh EC	
<b>Proposal No</b>	<b>File No</b>	<b>Submission Date</b>	<b>Activity (Schedule Item)</b>
IA/WB/INFRA2/427920/2023	21/6/2023-IA.III	03/05/2023	Building / Construction (8(a))

#### 3.6.2. Project Salient Features

<p>The project proponent and the consultant (Grass Roots Research and Creations India Pvt. Ltd.) have made following detailed presentation:</p> <ol style="list-style-type: none"> <li>1. The proposal is for Establishment of Residential Cum Commercial Complex Project “Bhawani Courtyard” (under violation category)</li> <li>2. The Project is located at Mouza-Sahara, J.L. No. -46, Touzi No. - 146, Khatian No. 3052, R.S Dag No.- 443,447,448,449, 450,462. Corresponding I.R. No. 747, 750, 751,753,757, Police Station-Airport, Post Office-Ganganagar, District-North 24 Parganas under Madhyamgram Municipality, Ward No. 26 West Bengal.</li> <li>3. The project activity falls under 8 (a) of category B as per the EIA Notification, 2006.</li> <li>4. This is new project it is falls under Category B (under violation category) and General Condition is applicable to this project.</li> <li>5. The PP has already constructed 23,682 sqm BUA (~78%) at site as per Approved Building Plan, without prior</li> </ol>
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ANNEXURE- R/5

1663

File No: 21/1/2023-IA.III

Government of India  
Ministry of Environment, Forest and Climate Change  
IA Division

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Dated 23/08/2023



To,

MESASO INFRASTRUCTURE PVT. LTD.  
Vega Circle Mall, 3rd Floor, 3rd Mile, Sevoke Road, Siliguri, Siliguri, DARJEELING, WEST  
BENGAL, , 734008  
vpprojects@mesaso.in

**Subject:** Grant of EC under the provision of the EIA Notification 2006-regarding.

**Sir/Madam,**

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project Proposed Vertical Expansion by 3 Floors of "WEST POINT" - Integrated Commercial cum MLCP Complex by Mesaso Infrastructure Pvt. Ltd. submitted to Ministry vide proposal number IA/SK/INFRA2/417703/2023 dated 25/04/2023.

2. The particulars of the proposal are as below :

(i) Ec Identification No.	EC23C3802SK5858756E
(ii) File No.	21/1/2023-IA.III
(iii) Clearance Type	Expansion EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	8(a) Building / Construction
(vi) Sector	INFRA-2
(vii) Name of Project	Proposed Vertical Expansion by 3 Floors of "WEST POINT" - Integrated Commercial cum MLCP Complex by Mesaso Infrastructure Pvt. Ltd.
(viii) Name of Company/Organization	MESASO INFRASTRUCTURE PVT. LTD.
(ix) Location of Project (District, State)	Gangtok, SIKKIM
(x) Issuing Authority	MoEF&CC
(xi) EC Date	23/08/2023
(xii) Applicability of General Conditions	no
(xiii) Applicability of Specific Conditions	no

This has reference to proposal no. IA/SK/INFRA2/417703/2023 for seeking environmental clearance for Proposed Vertical Expansion by 3 Floors of "WEST POINT" - Integrated Commercial cum MLCP Complex at

Old West Point School Area, Near M.G. Marg, Gangtok, East Sikkim by Mesaso Infrastructure Pvt. Ltd.

2. The project/activity is covered under category 'B' of item 8(a) 'Building and Construction projects' of the Schedule to the EIA Notification, 2006 and its subsequent amendments, and requires appraisal at the State level. However, due to the non-existence of SEIAA in Sikkim, the proposal required appraisal by sectoral EAC at central level.

3. Accordingly, the above-mentioned proposal for Environmental Clearance has been examined by the Expert Appraisal Committee (Infra-2) in its 104<sup>th</sup> meeting held on 11-12.05.2023 and 106<sup>th</sup> meeting held on 30.06.2023.

4. The details of the project, as per the application form, documents submitted by the project proponent, and also as informed during the aforesaid meeting of EAC, are provided below for reference:

i. The project is located at 27°19'47.24"N Latitude and 88°36'40.93"E Longitude.

ii. The project is an expansion project.

iii. PP has obtained EC from SEIAA, Sikkim vide EC Identification no. EC22B038SK115854 dated 25.02.2022, for 4G+7 storey after appraisal on 22<sup>nd</sup> February, 2022. Construction of 25,675 sqm out of 33801.25 sqm has been done as on date as per EC obtained.

iv. The total plot area is 5665.55 sqm, Total construction (Built-up) area of 33801.25 sqm. Maximum height of the building is 62 m. The mixed-use development building of configuration 4G+10, shall comprise of Parking for 448 car parks on the lower 4 floors, Mall with a multiplex (44 retail outlets + 3 anchor stores) & food court, a Boutique hotel having 60 keys (52 deluxe rooms + 8 suites).

v. During construction phase, total water requirement is expected to be 50 KLD which is met by Municipal supply. During the construction phase, soak pits and septic tanks are provided for disposal of waste water. Temporary sanitary toilets are provided during peak labor force.

vi. During operational phase, total water requirement of the project is expected to be 160 KLD and the same will be met by 108 KLD fresh water from Municipal supply and 52 KLD recycled water. Wastewater generated (120 KLD) will be treated in STP of total 120 KLD capacity. 102 KLD of treated wastewater will be recycled and re-used (52 KLD for flushing and rest 50 KLD for gardening, car washing, etc.). 0 KLD will be disposed in to municipal drain.

vii. About 670 kg/day solid wastes will be generated in the project. The biodegradable waste (335 kg/day) will be processed in OWC and the non-biodegradable waste generated (335 kg/day) will be handed over to authorized local vendor.

viii. The total power requirement during construction phase is 100 KVA and will be met from Power & Energy Department, Sikkim and total power requirement during operation phase is 2198 KW and will be met from Power & Energy Department, Sikkim.

ix. Provision for capturing rain water, tank of capacity of 240 KLD with retention time of 30 minutes shall be provided.

x. Parking facility for 448 four wheelers has been provided in the lower 4 floors of the MLCP cum Commercial complex.

xi. Proposed energy saving measures would save about 12.18% of power. The following energy saving measures shall be undertaken:

xii. Materials preferred for construction shall be environment friendly & have a low embodied energy. This will help in keeping the environment cleaner & greener.

xiii. The building made of prefabricated steel members with nominal use of concrete which is only used in wet cores and as deck slabs, reduces the consumption of water during construction. This method of construction also doesn't create air pollution during construction stages.

xiv. Proposed MEP System shall use state of the art technology. The target is to optimize minimum possible resources and optimize the system.

xv. LED & other appliances having higher BEE rating shall be used to reduce power consumption. Likewise, Low flow water sanitary fixtures shall be used to reduce water consumption. The aim is achieving GRIHA Gold rating.

xvi. A building management system has been proposed for resource optimization and efficiency in energy consumption.

xvii. Building services such as the HVAC system, pumping system would be centrally controlled. It is envisaged to provide a state-of-the-art Building Management System for the services of the Mall / Cinema / Hotel areas of Mixed Use Project at Gangtok.

xviii. Comparative analysis of existing / envision pollution load (in case of expansion / modernization)

xix. The current proposal is for vertical expansion of 3 floors above the 4G+7 Integrated Commercial cum MLCP complex. Environmental Clearance vide File No. : 214/E & SC and EC Identification no. EC22B038SK115854 dated 25.02.2022 and Consent to Establish vide Ref. No. 1142/SPCB dated 24.02.2022, has already been obtained for construction of the 4G+7 Integrated Commercial cum MLCP complex.

xx. Impact of proposed project/activity on Air, Water, Noise, Ecology and proposed mitigation measures (**Table – 1** and **Table -2**).

xxi. Proposed project is not located in Critically Polluted area.

xxii. No NBWL Clearance is required

xxiii. No Forest Clearance is required for this project

xxiv. No court case is pending against this project

xxv. Green cover plan shall cover 30% of total areas of the proposed MLCP for beautification of the blank areas, creation of hanging garden in all the flyover falling within the Gangtok Municipal Areas (GMC). A total of 15,000 sqft of landscaped area including green terraces have been proposed.

xxvi. It is expected that around 4 years would be required for completion of the project.

xxvii. Total Cost of the project is Rs. 298.2 Crores.

xxviii. 250 construction workers have been employed during the construction phase. About 2500 people will get employment during operation phase of the project.

xxix. Benefits of the project: There will be employment of local people as service population, staff at the mall, auditoriums, restaurants, etc. This area will become one of the most prosperous commercial hub in the vicinity with world-class facilities. This will uplift the entire socio-economic profile of the area. Thus it is envisaged that this project will help the local population immensely.

5. The proposal was earlier appraised by the EAC in its 104<sup>th</sup> meeting held on 11-12 May, 2023 when it noted that a point of concern in this project was the presence of a swimming pool on the top floor of the expansion now proposed. In view of the fact that this site is located in the high-risk zone 4 of the earthquake vulnerability map of India, the EAC deferred the proposal and asked the PP to get the proposal technically examined by the Central Building Research Institute (CBRI), Roorkee.

6. Thereafter, PP requested through PARIVESH on 20.06.2023, the CBRI authorities have informed them that a minimum of 5-6 months' time would be required for reviewing, vetting the design, and providing their report. The project proponent further informed that the proposed project is being developed under PP mode with the lower 4 floors of the project dedicated to car parking among which 2 floors are dedicated exclusively for taxi parking. There was an existing old taxi stand at the site which has been temporarily shifted to another site. These two floors for taxi parking need to be completed and handed over to the Government of Sikkim / Smart City latest by December 2023, because of the acute shortage of parking space in Gangtok. The temporary site where the taxi parking has been rehabilitated needs to be vacated by December 2023. In view of this urgency, the project proponent requested EC to complete the project *without the swimming pool* and the permission to build the swimming pool may be granted later if the CBRI gives positive recommendations.

7. The proposal was appraised by the EAC in its 106<sup>th</sup> meeting held on 30.06.2023. The EAC, after detailed deliberations, found merit in the request of the PP to go ahead with the project without the roof-top swimming pool the addition of which can be considered at a later date after the issue is examined by the CBRI. The EAC further agreed that if the CBRI is unable to undertake this task early enough then the PP may get the issue of construction of roof-top swimming pool examined by some other institution of national repute having expertise in the construction of buildings in zones of high seismic activity.

8. The EAC, based on the information submitted and clarifications provided by the Project Proponent and detailed discussions held on all the issues, recommended granting environmental clearance to the project **without roof-top swimming pool** and subject to specific conditions stipulated in its 106<sup>th</sup> meeting and other Standard EC Conditions as specified by the Ministry vide OM dated 4<sup>th</sup> January, 2019 for the said project/activity, while considering for accord of environmental clearance.

9. Based on recommendations of EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance for the 'Proposed Vertical Expansion by 3 Floors of "WEST POINT" - Integrated Commercial cum MLCP Complex at Old West Point School Area, Near M.G. Marg, Gangtok, East Sikkim by Mesaso Infrastructure Pvt. Ltd.', under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and standard conditions (Annexure 1):

10. The Environmental Clearance is being granted to M/s Mesaso Infrastructure Pvt. Ltd' for proposed Vertical Expansion by 3 Floors of "WEST POINT" - Integrated Commercial cum MLCP Complex at Old West Point School Area, Near M.G. Marg, Gangtok, East Sikkim.



11. This issue with the approval of the Competent Authority.

**Annexure 1****Specific EC Conditions for (Building / Construction )****1. Specific Condition**

S. No	EC Conditions
1.1	The PP shall obtain the Fire safety certification from Fire Department and also height clearance from the Airports Authority of India and submit the same to the concerned Integrated Regional Office of the Ministry within six months of the issue of EC letter.
1.2	As proposed, 1 RWH tank with capacity of 240 KLD shall be provided by the PP for rain water harvesting after filtration. The local municipal regulations on rainwater harvesting should be followed. If local provisions are not available then adequate provision for storage and recharge should be made in accordance with the Ministry of Housing and Urban Affairs (erstwhile Ministry of Urban Development), Model Building Bye-laws, 2016.
1.3	The project proponents would commission a third-party study on the implementation of conditions related to quality and quantity of recycle and reuse of treated water, efficiency of treatment systems, quality of treated water being supplied for flushing, comparative bacteriological studies using recycled treated waters and fresh waters for flushing, and quality of water being supplied through spray faucets attached to toilet seats.
1.4	The Environmental Clearance to the project is primarily under provisions of EIA Notification, 2006. The Project Proponent is under obligation to obtain approvals/clearances under any other Acts/Regulations or Statutes as applicable to the project.
1.5	As proposed, waste water shall be treated onsite in STP of 120 KLD capacity.
1.6	Fresh water requirement shall not exceed 160 KLD during the operational phase and the extraction of groundwater shall be subject to permission by the Central Ground Water Authority (CGWA).
1.7	Green cover plan shall cover 30% of total areas of the proposed MLCP for beautification of the blank areas, creation of hanging garden in all the flyover falling within the Gangtok Municipal Areas (GMC). A total of 15,000 sqft of landscaped area including green terraces have been proposed.
1.8	As committed, parking facility for 448 four wheelers is to be provided in the lower 4 floors of the MLCP cum Commercial complex.
1.9	The solid waste shall be duly segregated into biodegradable and non- biodegradable components and handled in separate areas earmarked for segregation of solid waste, as per SWM Rules, 2016.



S. No	EC Conditions
	As committed, biodegradable waste shall be utilized through the OWC to be installed within the site. Inert waste shall be disposed of as per norms at authorized sites. Recyclable waste shall be sold to authorized vendors/recyclers. Construction & Demolition (C&D) waste shall be segregated and managed as per C&D Waste Management Rules, 2016.
1.10	As committed, Proponent shall ensure installation of solar-based lighting and LEDs to meet 10 % of total power requirement.
1.11	Proponent is required to carry out 'compliance audit' of the building through NABL accredited Consultant once every year and an internal security drill as mandated under the Disaster Management Plan.

#### Standard EC Conditions for (Building / Construction )

#### 1 Statutory compliance

S. No	EC Conditions
1.1	The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
1.2	The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc. as per National Building Code including protection measures from lightening etc.
1.3	The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1980, in case of the diversion of forest land for non-forest purpose involved in the project.
1.4	The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
1.5	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.
1.6	The project proponent shall obtain the necessary permission for drawl of ground water / surface water required for the project from the competent authority.
1.7	A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
1.8	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department shall be obtained, as applicable, by project proponents from the respective competent authorities.
1.9	The provisions of the Solid Waste Management Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste Management Rules, 2016, shall be followed.

S. No	EC Conditions
1.10	The project proponent shall follow the ECBC/ECBC-R prescribed by Bureau of Energy Efficiency, Ministry of Power strictly.

## 2 Air quality monitoring and preservation

S. No	EC Conditions
2.1	Notification GSR 94(E) dated 25.01.2018 of MoEF&CC regarding Mandatory Implementation of Dust Mitigation Measures for Construction and Demolition Activities for projects requiring Environmental Clearance shall be complied with.
2.2	A management plan shall be drawn up and implemented to contain the current exceedance in ambient air quality at the site.
2.3	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5) covering upwind and downwind directions during the construction period.
2.4	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
2.5	Construction site shall be adequately barricaded before the construction begins. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust/ wind breaking walls all around the site (at least 3-meter height). Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murrum and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.
2.6	Sand, murrum, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution.
2.7	Wet jet shall be provided for grinding and stone cutting.
2.8	Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
2.9	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Management Rules 2016.
2.10	The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
2.11	The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the



S. No	EC Conditions
	provisions of the Central Pollution Control Board (CPCB) norms.
2.12	For indoor air quality the ventilation provisions as per National Building Code of India.

### 3 Water quality monitoring and preservation

S. No	EC Conditions
3.1	The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water.
3.2	Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
3.3	Total fresh water use shall not exceed the proposed requirement as provided in the project details.
3.4	The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
3.5	A certificate shall be obtained from the local body supplying water, specifying the total annual water availability with the local authority, the quantity of water already committed, the quantity of water allotted to the project under consideration and the balance water available. This should be specified separately for ground water and surface water sources, ensuring that there is no impact on other users.
3.6	At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
3.7	Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
3.8	Use of water saving devices/fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
3.9	Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
3.10	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
3.11	The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. Rain water harvesting recharge



S. No	EC Conditions
	pits/storage tanks shall be provided for ground water recharging as per the CGWB norms.
3.12	A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided. In areas where ground water recharge is not feasible, the rain water should be harvested and stored for reuse. The ground water shall not be withdrawn without approval from the Competent Authority.
3.13	All recharge should be limited to shallow aquifer.
3.14	No ground water shall be used during construction phase of the project.
3.15	Any ground water dewatering should be properly managed and shall conform to the approvals and the guidelines of the CGWA in the matter. Formal approval shall be taken from the CGWA for any ground water abstraction or dewatering.
3.16	Sewage shall be treated in the STP with tertiary treatment. The treated effluent from STP shall be recycled/re-used for flushing, AC make up water and gardening. As proposed, no treated water shall be disposed in to municipal drain.
3.17	No sewage or untreated effluent water would be discharged through storm water drains.
3.18	Onsite sewage treatment of capacity of treating 100% waste water to be installed. The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Treated waste water shall be reused on site for landscape, flushing, cooling tower, and other end-uses. Excess treated water shall be discharged as per statutory norms notified by Ministry of Environment, Forest and Climate Change. Natural treatment systems shall be promoted.
3.19	Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
3.20	Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

#### 4 Noise monitoring and prevention

S. No	EC Conditions
4.1	Ambient noise levels shall conform to residential area/commercial area/industrial area/silence zone both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.
4.2	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.



S. No	EC Conditions
4.3	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

## 5 Energy Conservation measures

S. No	EC Conditions
5.1	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC.
5.2	Outdoor and common area lighting shall be LED.
5.3	Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design. Wall, window, and roof u-values shall be as per ECBC specifications.
5.4	Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning.
5.5	Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher.
5.6	Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.

## 6 Waste Management

S. No	EC Conditions
6.1	A certificate from the competent authority handling municipal solid wastes, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project shall be obtained.
6.2	Disposal of muck during construction phase shall not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
6.3	Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials.
6.4	Organic waste compost/Vermiculture pit/Organic Waste Converter within the premises with a



S. No	EC Conditions
	minimum capacity of 0.3 kg /person/day must be installed.
6.5	All non-biodegradable waste shall be handed over to authorized recyclers for which a written tie up must be done with the authorized recyclers.
6.6	Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
6.7	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include Fly Ash bricks, hollow bricks, AACs, Fly Ash Lime Gypsum blocks, Compressed earth blocks, and other environment friendly materials.
6.8	Fly ash should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.
6.9	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
6.10	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

## 7 Green Cover

S. No	EC Conditions
7.1	No tree can be felled/transplant unless exigencies demand. Where absolutely necessary, tree felling shall be with prior permission from the concerned regulatory authority. Old trees should be retained based on girth and age regulations as may be prescribed by the Forest Department. Plantations to be ensured species (cut) to species (planted).
7.2	Where the trees need to be cut with prior permission from the concerned local Authority, compensatory plantation in the ratio of 1:10 (i.e. planting of 10 trees for every 1 tree that is cut) shall be done and maintained. Plantations to be ensured species (cut) to species (planted). Area for green belt development shall be provided as per the details provided in the project document.
7.3	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

## 8 Transport

S. No	EC Conditions
8.1	A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be



S. No	EC Conditions
	designed with these basic criteria. a. Hierarchy of roads with proper segregation of vehicular and pedestrian traffic. b. Traffic calming measures. c. Proper design of entry and exit points. d. Parking norms as per local regulation.
8.2	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.

9

S. No	EC Conditions
9.1	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

#### 10 Human health issues

S. No	EC Conditions
10.1	All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.
10.2	For indoor air quality the ventilation provisions as per National Building Code of India.
10.3	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.4	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
10.5	Occupational health surveillance of the workers shall be done on a regular basis.
10.6	A First Aid Room shall be provided in the project both during construction and operations of the project.

#### 11 Miscellaneous

S. No	EC Conditions
11.1	The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of MoEFCC/SEIAA website where it is displayed.
11.2	ii. environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
11.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
11.4	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
11.5	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
11.6	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
11.7	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report
11.8	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
11.9	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
11.10	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
11.11	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and also that during their presentation to the Expert Appraisal Committee.



S. No	EC Conditions
11.12	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).
11.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
11.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
11.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
11.16	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
11.17	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
11.18	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

**Annexure 2****Copy To**

1. The Secretary, Forest and Environment Department, Government of Sikkim, Forest Secretariat, Deorali – 737102, Gangtok, East Sikkim.
2. The IGF(Central), Ministry of Environment, Forest and Climate Change, Integrated Regional Office, 1st Floor, IB-198, IB Block, Sector III, Bidhannagar, Kolkata, West Bengal 700106.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110 032.
4. The Member Secretary, State Pollution Control Board Sikkim, Forest Secretariat, C-Block, Deorali, Gangtok – 737102, East Sikkim, India.
5. The Member Secretary, Central Ground Water Authority, A2, W-3 Curzon Road Barracks, K.G. Marg, New Delhi-110 001.
6. Guard File/ Record File / MoEF Website.



**Table - 1. Impact and proposed mitigation measures during construction**

<b>A</b>	<b>Work force</b>	Local labourers shall be employed.
<b>B</b>	<b>Facilities at site</b>	Provision of drinking water, waste water disposal and solid waste management has been provided for site office & labour restrooms. Water usage during construction & curing is optimized. Proper sanitation for site office & construction workers have been provided. Health and safety, of the workers has been ensured during construction.
<b>C</b>	<b>Steps to avoid disturbance</b>	DG sets have acoustic enclosures and confirm to E (P) Rules. Ambient noise levels conform to local standards during day and night. Only limited necessary construction is done during night time. Excessive energy consumption and fuel usage is avoided.
<b>D</b>	<b>Selection of material</b>	Materials preferred for construction are environment friendly & have a low embodied energy. This helps in keeping the environment cleaner & greener.  The building is made of prefabricated steel members with nominal use of concrete which is only used in wet cores and as deck slabs, to reduce the consumption of water during construction. This method of construction also doesn't create air pollution during construction stages.  Proposed MEP System shall use state of the art technology. The target is to ptimiz minimum possible resources and ptimiza the system.  LED & other appliances having higher BEE rating shall be used to reduce power consumption. Likewise, Low flow water sanitary fixtures shall be used to reduce water consumption. The aim is achieve GRIHA Gold rating.  A building management system has been proposed for resource ptimization and efficiency in energy consumption.  Building services such as the HVAC system, pumping system would be centrally controlled. It is envisaged to provide a state-of-the-art Building Management System for the services of the Mall/Cinema/Hotel areas of Mixed Use Project at Gangtok.  Adequate open space, greenery will be provided as per rules.
<b>E</b>	<b>Concreting work</b>	Adequate screen wall has been provided to a height to control fugitive emission generated during construction. Using of Ready Mixed Concrete (RMC) further reduces fugitive emission.
<b>F</b>	<b>Dust</b>	Water sprinkling is done regularly in the material dumping area, to avoid spreading of dust.  Screening wall is placed all around the project site to arrest fugitive dust from spreading out of the site.
<b>G</b>	<b>Debris</b>	Construction debris including bricks, gravel, rubbish, waste of plaster, concrete debris, metal tiles, etc. is used within the project site for land filling activities, road work, etc. The construction and



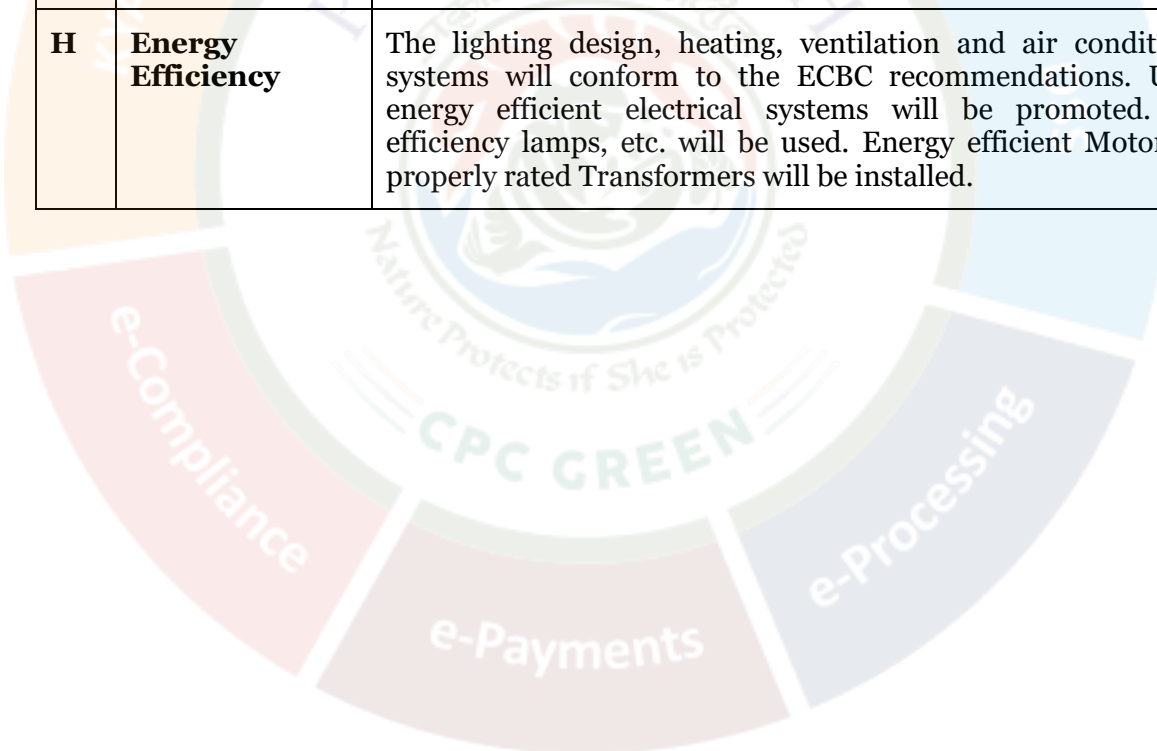
		demolition wastes are utilized as per the Construction and Demolition (C & D) Waste Management Rules, 2016. Other wastes like, pieces of steel, cement bags, waste paper and cardboard packing material are sold off to recyclers.
<b>I</b>	<b>Dumping of material</b>	The construction materials are not dumped in public roads around the property.
<b>J</b>	<b>Construction equipment</b>	Vehicles / equipment deployed during construction are in good condition, properly maintained and conform to applicable air / noise emission standards & (PUC) norms. Underneath of the vehicles are regularly washed & cleaned before leaving the site, to avoid spillage outside the site.  The contractor will remove all construction equipment and scrap materials from the site on completion of construction activity.
<b>K</b>	<b>Water Accumulation</b>	No water accumulation is allowed in the construction site. Proper disposal system is made to prevent stagnation of water.
<b>L</b>	<b>Others</b>	Construction conforms to the sanction plan by the concerned authority and requirement of local seismic regulations. All statutory / necessary permission will be obtained prior to & post construction. Fire-fighting systems will be designed in compliance with the local authority.  Construction site is disinfected periodically.  Walking platforms at height are of sound construction and provided with safety rails or belts.

**Table – 2. Impact and proposed mitigation measures during Operation**

<b>A</b>	<b>Water Supply</b>	Total 108 KLD of fresh water will be required which will be supplied by Tankers / Municipal Authorities. Groundwater will not be abstracted.
<b>B</b>	<b>Storm water Management</b>	Adequate in-house drainage network has been designed for the project without disturbing the surrounding areas.  Heat island effect has been minimized by use of shading and reducing hard surfaces viz. roads, paving etc.
<b>C</b>	<b>Rain Water Harvesting</b>	Rain water Harvesting plan has been formulated.  Adequate fire fighting storage tank has been provided as per norms.
<b>D</b>	<b>Plantation / Landscaping</b>	Green belt development programme shall be taken up once the construction work is completed.
<b>E</b>	<b>Waste water Management</b>	The treated wastewater from STP shall be reused for flushing, landscaping & car washing purposes. A Centralized STP plant of



		120 KL capacity has been proposed. Balance treated wastewater shall be disposed off into the Municipal sewer network.
<b>F</b>	<b>Solid waste Management</b>	Solid waste during operational phase in general will be of domestic nature. Garbage will be segregated at source for biodegradable, inorganic recyclables and inorganic inert material during operational phase (670 kg/day). Total MSW will be stored at a place within the site. Organic component will be managed in house by installing mechanical composter, inorganic recyclables will be sold to vendors and inorganic inert material will be stored at a place within the site. From there it be collected, transported, treated and disposed off by local authority as per Rules.
<b>H</b>	<b>Hazardous Waste Management</b>	Spent Oil from DG sets will be carefully stored in HDPE drums in isolated covered facility and disposed as per the guidance of competent authority. Suitable care will be taken so that spills/leaks of spent oil from storage could be avoided.
<b>I</b>	<b>Emission from Diesel Generator</b>	DG sets will be provided with acoustic enclosures as per CPCB norms. The stack height and emissions from D.G. sets will conform to CPCB norms.
<b>H</b>	<b>Energy Efficiency</b>	The lighting design, heating, ventilation and air conditioning systems will conform to the ECBC recommendations. Use of energy efficient electrical systems will be promoted. High efficiency lamps, etc. will be used. Energy efficient Motors and properly rated Transformers will be installed.



Signature Not Verified

Digitally Signed by : Mr Ashish Kumar  
Member Secretary, MoEFCC (EC)

Date: 23/08/2023