

**State Expert Appraisal Committee (SEAC), Delhi**

**Agenda of 126<sup>th</sup> Meeting of SEAC to be held on 18.04.2023 from 11:00 AM onwards.**

**AGENDA**

**Venue: Conference Room of DPCC, 5th Floor, ISBT Building, Kashmere Gate, 110006**

Please Check MoEF&CC Website at [www.parivesh.nic.in](http://www.parivesh.nic.in) for details and updates

**From Date: 18 Apr 2023**

**To Date: 18 Apr 2023**

**Date when Agenda was created: 12 Apr 2023**

<b>CONSIDERATION/RECONSIDERATION OF ENVIRONMENTAL CLEARANCE</b>					
<b>S.No</b>	<b>Proposal</b>				
<b>(1)</b>	Expansion of Co-operative Group Housing Society "Chitrakoot Apartments"				
	<b>State of the project</b>				
	<b>S. No.</b>	<b>State</b>	<b>District</b>	<b>Tehsil</b>	<b>Village</b>
	NIL				
	[SIA/DL/INFRA2/406059/2022 , DPCC/SEIAA-IV/C-437/DL/2022 ]				
<b>(2)</b>	Proposed Group housing project at Khasra number 83,599,600,604, 605 & 606, Village Shahbad Daulatapur, New Delhi				
	<b>State of the project</b>				
	<b>S. No.</b>	<b>State</b>	<b>District</b>	<b>Tehsil</b>	<b>Village</b>
	NIL				
	[SIA/DL/INFRA2/414491/2023 , DPCC/SEIAA-IV/C-444/DL/2023 ]				

**Discussion on any other item with permission of the Chair.**

**Important Note:**

- 1. The project proponents are requested to send the project details in respect of establishment/ identification of violation (by SEIAA/MoEF&CC) in the format as per Annexure-I, Annexure-II, Annexure-III.**
  - i. The project proponents should submit the Form-1, Form 1A and Conceptual Plan for TOR along with other requisite documents, Environment Impact Assessment Report, public hearing report, queries subsequently raised by the Ministry, if any including details of the court matters/Orders of the Court pertaining to the project if any, in original,**

duly signed by the company authorized signatory for Environmental Clearance, well in advance before meeting to the Office of Delhi Pollution Control Committee 5th and 6th Floor, ISBT Building Kashmere Gate, Delhi - 06 or utmost at the time of presentation, without which the proposal will not be considered.

**Note: Submit a copy of each of above documents - Hard and Soft Copies (CD) to the Member Secretary, (Note: Not by Name) by speed post so as to reach well in time.**

- ii. Compliance Report from Regional Office, MoEF&CC (Applicable for projects already having EC).
  - iii. **The KML/Shape files should be emailed to email id – seac4delhi@gmail.com at least 5 days prior to the meeting.** The PP should submit the soft copy of the presentation at aforesaid email at least 5 days before the meeting. The presentation will be done by respective EIA Coordinator only.
  - iv. The above all documents are required to be forwarded to the Chairman/Members of the State Level Expert Appraisal Committee (SEAC) along with soft copy. The PP should submit the soft copy at email – [seac4delhi@gmail.com](mailto:seac4delhi@gmail.com)
2. All the documents including the hard copy of the presentation material should be legible and printed on both sides on ordinary paper. **In case the members of the State Level Expert Appraisal Committee (SEAC) do not receive the proposals/documents before the meeting, the Committee will not consider the project.**
  3. The Project Proponent or his or her authorized representative /consultant should avoid delivery of documents by hand and seeking meeting with Chairman/Members. Members are also requested to discourage/ avoid the meeting with the PP/ consultants.
  4. Further, it is requested that the project proponent or his/her authorized representative should attend the presentation meeting of SEAC. They may also depute senior officers from the company (preferably not more than two representatives) who can make a presentation on their behalf on the salient features of the project, the related environmental issues, proposed Environmental Management Plan and also respond to the queries/suggestions of the Committee.
  5. Any changes/modification with respect to the Agenda, Venue etc., would be indicated in Ministry's website. You are also requested to keep track of the status of your project from the Ministry's Website i.e., [www.envfor.nic.in/](http://www.envfor.nic.in/) [www.envclearance.nic.in.](http://www.envclearance.nic.in/)
  6. Distribution of writing pads, pens, plastic folders and unnecessary stationery items during the meeting is not permitted. Distribution of colour print out may be avoided unless it is stated specifically.
  7. No consultant is permitted into the meeting who has no accreditation with Quality

Council of India (QCI)/National Accreditation Board of Education and Training (NABET) according to the MoEF OM dated 2nd December, 2009

- 8.** Proponent along with EIA Coordinator (mandatory in case of EC proposals) should be ready before 10 minutes of the slot allowed to them with all requisite documents.

**TIME SLOTS FOR PRESENTATION**

<b>Tuesday, 18<sup>th</sup> Apr, 2023 from 11:00 hrs onwards</b>		
<b>S.No.</b>	<b>Time (hrs)</b>	<b>Agenda Items</b>
	<b>11:00</b>	Opening Remarks by the Chairman
	<b>11:15</b>	Confirmation of Minutes of Meeting of 125 <sup>th</sup> SEAC held on 18.03.2023
<b>1.</b>	<b>11:30</b>	Expansion of Co-operative Group Housing Society "Chitrakoot Apartments" [SIA/DL/INFRA2/406059/2022 , DPCC/SEIAA-IV/C-437/DL/2022 ]
<b>2.</b>	<b>12:15</b>	Proposed Group housing project at Khasra number 83,599,600,604, 605 & 606, Village Shahbad Daulatapur, New Delhi [SIA/DL/INFRA2/414491/2023 , DPCC/SEIAA-IV/C-444/DL/2023 ]
	<b>13:30</b>	<b>Lunch Break</b>
<b>Any other item with permission of the Chair.</b>		

### **Template for Project Brief and Presentation Project or Activity to be appraised for ToR**

1. Title of the Proposal (As indicated in the Application Form).
2. Location of the proposed Project or Activity.
3. Location of Project Site on Google map and Toposheet.
4. Land use of the site (area earmarked for proposed project/activity).
5. Land use around the site up to 10 km radius.
6. If the project falls within 10 km of eco- sensitive area, Name of eco-sensitive area and distance from the project site.
7. If the project involves diversion of forest land, extent of the forest land to be involved.
8. Whether the project is in Critically Polluted area? If so, provide details.
9. Grounds/ Environmental Parameters taken into account for selection of the proposed project site.
10. Strategy to collect baseline data, including the period/seasons.
11. Project Details:
  - a. Nature of proposal (new/expansion, category, status of general conditions).
  - b. Project components (Activities and Facilities to be developed).
- 12. Airport 7(a)**
  - a. Habitation in and around, their location with respect to take off and landing funnel.
  - b. Expected Influx.
- 13. TSDF 7(d), CBMWF 7(da), CMSWMF 7(i)**
  - a. Types of wastes and their sources.
  - b. Waste generation projections and strategy for collection, treatment, and disposal.
  - c. Habitation in and around the project site.
- 14. Aerial Ropeway 7(g)**
  - a. Span.
  - b. Locations of LPT, IPT and UPT including habitation in and around
  - c. Building construction proposed at terminals.
  - d. Expected Influx of People.
- 15. CETP 7(h)**
  - a. Type of effluent, Quantity, effluent conveyance system from the member units to CETP; and
  - b. Treatment and usage of treated sewage.
- 16. Other details**
  - i. Connectivity to the site.
  - ii. Terrain, level with respect or MSL, requirement of filling, if any.
  - iii. Water requirement; sources, status of clearance in case of ground water withdrawal.
  - iv. Expected Waste Generation (Liquid and Solid) and proposed management strategy.
  - v. Tree cutting, types, numbers, girth size etc.
  - vi. Rehabilitation involved, if any.
  - vii. Water bodies, diversion, if any.
  - viii. Status of Litigation, if pending any.

- ix. Expected Power Requirement and proposed strategy for energy conservation.
- x. Investment/Cost of the project is Rs.....(in crore).
- xi. Employment potential.....
- xii. Benefits of the project .....

### **Template for Project Brief and Presentation Project or Activity to be appraised for EC**

1. Title of Proposal (as indicated in the Application form submitted on the Parivesh Portal).
2. Location of the proposed project site.
3. Project/ activity covered under item of Schedule to the EIA Notification, 2006 and Category.
4. In case of Category B project/activity- Reason for appraisal at the Central level.
5. Project brief: nature of proposal (new/expansion,) total area- land use, project components, connectivity to the site etc:
  - Land use pattern/ Total plot area/ built up area
  - Total water requirement and its source, Ground water withdrawal approval from CGWA, if any
  - Waste water generation, treatment and disposal
  - Municipal solid waste generated disposal facility
  - Power requirement and source
  - Proposed energy saving measures with estimated energy saving
  - Details of Rain Water Harvesting Plan
  - Parking details as per norms
6. Details of earlier EC, if any and compliance thereof
7. Whether the project is in Critically Polluted area? If so, give details
8. List of commitments as mentioned in the EIA/EMP w.r.t mitigation measures
9. Comparative analysis of existing/envisioned pollution load (in case of expansion/modernization)
- 10. If the project is for EC under EIA Notification, 2006**
  - a) For the first time appraisal by EAC**
    - i. Date of ToR
    - ii. Point-wise ToR compliance
    - iii. Impact of proposed project/activity on Air, Water, Noise, Ecology and proposed mitigation measures
    - iv. Details of Public Hearing (PH)
    - v. Major issues raised during PH and response of PP in the form of implementable action plan
    - vi. Environmental and Socio-Economic Impacts
      - a. Period/ Season of baseline study and Number of Locations
      - b. Key Indications: The indicates that the maximum and minimum values of PM10 are in the range of ----- to -----, whereas the PM2.5 are in the range of ----- to ----- $\mu\text{g}/\text{m}^3$ . The  $\text{SO}_2$  concentrations within the study area are in the range of ----- to ----- and the  $\text{NO}_x$  are in the range of ----- to ----- . Ozone concentrations were also monitored in the study area and are found to be in the range of ----- to ----- , CO are in the range of ----- to ----- , Benzene observed are in the range of ----- to ----- , Ammonia observed are in the range of ----- to ----- . The

observed pollutant levels were compared with CPCB National Ambient Air Quality Standards and found to be.....

**b) Second/subsequent appraisal**

- i. Date of first /earlier appraisal(s)
- ii. Details of the information sought by the EAC with the responses of PP

**12. If the project is in CRZ area,**

- i. Components in CRZ area
- ii. recommendation of Coastal Zone Management Authority.
- iii. layout on CRZ map of 1:4000 scale prepared by an authorised agency.

**13. If the project involves diversion of forest land**

- i. extent of the forest land
- ii. status of forest clearance

**14. If the project falls within 10 km of eco- sensitive area**

- i. Name of eco- sensitive area and distance from the project site.
- ii. status of clearance from National Board for wild life.

**15. Waste Management**

- i. Water requirement, source, status of clearance
- ii. Waste water quantity, treatment capacity, detail
- iii. Recycling/reuse of treated water and disposal
- iv. Solid Waste Management
- v. Hazardous Waste Management

**16. Other details**

- i. Noise Modelling with noise control measures for airports
- ii. Details of water bodies, impact on drainage, if any
- iii. Green belt development and Details of tree felling/transplantation
- iv. Undertaking to the effect that no activity has since been taken up
- v. Expected timeline for completion of the project
- vi. Investment/Cost of the project is Rs.....(in crore)
- vii. Employment potential.....
- viii. Benefits of the project .....

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**Brief for Building Construction& Townships and Area Development Projects to be appraised for EC**

- i. The project is located at .....Latitude and .... Longitude.
- ii. The project is new/ redevelopment
- iii. Earlier Clearance details, Constructions status, if any
- iv. **If the project is for EC under EIA Notification, 2006**
  - a) For the first time appraisal by EAC**
    - i. Date of ToR [in case of item 8(b)]
    - ii. Point-wise ToR compliance
  - b) Second/subsequent appraisal**
    - i. Date of first /earlier appraisal(s) by EAC/SEAC
    - ii. Details of the information sought by the EAC/SEAC with the responses of PP
- v. The total plot area is .....**sqm**, FSI area is .....**sqm** and total construction (Built-up) area of ....**sqm**. The project will comprise of ... Buildings. Total ... flats shall be developed. Maximum height of the building is ... **m. The details of building are as follows: (Table may be extended/expanded as per requirement)**


- vi. During construction phase, total water requirement is expected to be .....KLD which will be met by..... During the construction phase, soak pits and septic tanks will be provided for disposal of waste water. Temporary sanitary toilets will be provided during peak labor force.
- vii. During operational phase, total water requirement of the project is expected to be ..... KLD and the same will be met by ..... KLD fresh water from .....and .....KLD Recycled Water. Wastewater generated (.... KLD) will be treated in ..... STPs of total ..... KLD capacity. ... KLD of treated wastewater will be recycled and re-used (... for flushing, .. for gardening etc.). About ... KLD will be disposed in to municipal drain.
- viii. About ... TPD solid wastes will be generated in the project. The biodegradable waste (... TPD) will be processed in OWC and the non-biodegradable waste generated (... TPD) will be handed over to authorized local vendor.
- ix. The total power requirement during construction phase is ... KVA and will be met from .....and total power requirement during cooperation phase is ... KVA and will be met from .....
- x. Rooftop rainwater of buildings will be collected in ... RWH tanks of total .... KLD capacity for harvesting after filtration.
- xi. Parking facility for ..... four wheelers and .....two wheelers is proposed to be provided against the requirement of .... and ....respectively (according to local norms).
- xii. Proposed energy saving measures would save about..... % of power.

- xiii. Comparative analysis of existing/envison pollution load (in case of expansion/modernization)
- xiv. Impact of proposed project/activity on Air, Water, Noise, Ecology and proposed mitigation measures
- xv. Whether the project is in Critically Polluted area
- xvi. It is located within 10 km of Eco Sensitive Zone (**Yes/No**). If **Yes**, provide details.
- xvii. NBWL Clearance is required: **Yes/No**. If **Yes**, status of NBWL clearance.
- xviii. Forest Clearance is required: **Yes/No**. If **Yes**, status of stage-1 clearance.
- xix. Court case pending against the project (**Yes/No**). If **Yes**, provide details.
- xx. Details of commitment as mentioned in the Form 1A/Conceptual Plan/EIA
- xxi. Green belt development and Details of tree felling/transplantation
- xxii. Undertaking to the effect that no activity has since been taken up
- xxiii. Expected timeline for completion of the project
- xxiv. Investment/Cost of the project is Rs.....(Crore).
- xxv. Employment potential.....
- xxvi. Benefits of the project .....
- xxvii. Presentation should include the information with respect to measurable indicators as per checklist below:

## CHECKLIST

S.No.	Aspect	MEASURABLE INDICATOR	Expected Solutions
1	Site Drainage	Net increase in run-off should be zero;	Temporary detention/retention ponds; Sustainable Urban Drainage Systems (SUDS) integrated with the site landscaping plan
		At least 10% of Site Area shall be pervious;	Landscape Plan showing all relevant parameters
		Use of permeable paving in at least 50% of the total landscaped area of the project.	Section showing sub-grade to be provided
1a	Rain Water Harvesting	Calculations for storing water at site for flash rains at the rate of 115mm per hour	Detailed run off calculations to be provided with sufficient recharge capacity inside the plot for a Zero discharge scheme to be submitted
			Strategies for re-use of the Harvested water, if any, to be listed
		Percolation rates of assumed in Recharge pits	10% extra recharge pits as per new design of DJB to be provided
			Actual percolation test to be conducted at site and then determine no. of Recharge pits to be constructed
2	Water Balance	At least <b>50%</b> reduction in Net Water Demand from Base Case Scenario;	Proportion wise Step-diagram to be provided showing the amount of reduction in Net per capita Water Demand achieved - through <i>each</i> (i) Demand Reduction Strategy, and through (ii) Recycling & Reuse;
		At least <b>40%</b> of Total Demand to be met with recycled water	(% reduction achieved through each demand reduction strategy (e.g. low-flow fixtures, xeriscaping, recycled water use, etc.) shall be provided in a consolidated diagram format, for easy comprehension)
		Output parameters for recycled water shall be as per CPCB norms	Water Balance Diagram
			No ground water dependence without approval of competent Authority
			Drip Irrigation Plan (with water demand) to be provided
4	Waste Management	Minimized Waste to Landfill - <b>50%</b> reduction from base case scenario	On-site waste management centre to be demarcated, for sorting and processing of segregated door to door waste; On-site composting and material recovery systems. Tie up with waste processor for non-recyclable and hazardous waste
		Output parameter shall be min. <b>10 BOD/ as per 4b.</b>	On site STP to be provided/ enhanced based on calculations, and effluent and waste water to be reused on site;

			Sewage Treatment systems should integrate National treatment systems and be integrated with the site landscape (e.g. root zone tertiary treatment, oxidation ponds, etc.)
4a	Solid waste handling	90% Volume reduction of waste generation is mandatory	Low temperature heat treatment machines to reduction of volume by 90%. Composting machine dont work due to lack of utilisation of compost in the green areas and create smell during curing
		C & D Waste Disposal	Calculations to be done for quantification of the waste with permission for waste disposal in authorized locations from competent authority
			Ensure C&D waste is segregated, transported in covered vehicles to collection/recycling centres; Percentage of material to be recycled material (as per C&D rules and regulations 2016/Delhi rules)
		Recycled Waste	Submit details of tie-ups with recyclers, (preferably out of the list of authorized shortlisted Vendors approved by the Competent Authority)
4b	STP/ETP	Treatment of Liquid waste should be proper and Design should be adequate	Process Design calculations of STP, Basis of Technology selection, Mass balance, should be provided;
			Calculations of STP and location of the Unit in the site plan including water storage facilities
			How STPs./ETPs will handle variation in flow should be explained as there will be no flow at night and peak flow during morning
			Outlet parameters to be acheived in case of discharge into DJB sewer line as follows irrespective of project BOD<10, TSS <10, COD 50, TKN<10, pH 6.5-8.5, TP<1,NH3-N<5, FC <230/100mL.
			In case STP water proposed to be reused for Flushing then BOD < 5, TSS <10 with disinfection to be achieved
			In case STP water proposed to be reused for Flushing then BOD < 5, TSS <10 with disinfection to be achieved
			In case STP water proposed to be reused for construction then how parameters fit for construction purpose will be achieved should be explained with water quality especially TDS

			Flowmeters, odour air sensor for H2S, NH3, VOCs, Process automation sensor for each unit should be provided with quarterly calibration to be done under guidance of DTU/JAMIA/IIT
			Separate smart meter to be provided for calculating power consumption of STP connected to server
			Approval of water scheme from DJB given to project proponent directly or to land owning/leasing agency like DDA, NDMC, Delhi Cant
			Which UGR will supply the water to the proposed project, what is the current demand of that UGRs and how much water is supplied from that UGRs to other existing connections. Is UGR (Whether DJB/DDA etc.) able to cater to the current demand
			In case of expansion of project, current is the water demand of existing project, how much water is supplied by DJB + Other sources, What is the capacity utilisation of STPs
			Delhi has huge reserves of saline water - RO can be installed from deep tubewells converting saline water into drinking water . Govt is doing it so can project proponents. RO can be installed in Treated water of STP to convert into potable water, Reject will be handle through MEE
			STP simulation of Biowin/Max to be provided for output results
5	Energy	At least <b>50%</b> reduction in Net Energy Demand from Base Case Scenario;	Proportion wise Step-diagram to be provided showing the amount of reduction in Net per capita Energy Demand achieved - through (i) Load Reduction Strategies; (ii) Passive Strategies, (iii) Renewables, and (iv) Energy Recovery strategies
		At least <b>2%</b> of total Energy Demand to be sourced from Renewables	(% reduction achieved through each of the above Strategies shall be provided in a consolidated diagram format, for easy comprehension)
			Typical Floor Plans with dimensions - to demonstrate how natural ventilation & daylighting is being achieved. Projects >20,000 sq.m. must provide screenshots of (suitable software-based) model outputs.
			Compliance Summary sheet for ECBC (for commercial/ office buildings) and/or ECBC-R (for Residential/ mixeduse buildings) to be provided.
			Provision of energy audit during operational phase

6	Air Quality & Noise	Air quality standard to be ensured during construction time	Work Zone Management Plan for dust, air pollution and noise pollution mitigation during construction
			To minimize vehicular pollution during the life of the project, non polluting modes shall be prioritized.
		Air Quality negative impacts to be minimized during lifetime of the project.	For indoor air quality, natural ventilation shall be enabled for all spaces that are occupied for more than 25% of the total operation time.
			Power backup systems shall be done using non-polluting systems for projects >20,000 sq.m.
		Comprehensive air quality monitoring affecting Environment as well as health should be captured as most of the projects have drain carrying wastewater, open garbage dumping, landfill and mismanaged drainage in the vicinity	Sensors for air quality parameters - CO, CO2, Temp, NOx, SOx, PM2.5, PM10, VOCs, H2S, NH3, Humidity - Electrochemical Sensors preferred . IoT based connected to server 24*7 with quarterly calibration and data uploading every hour
		Comprehensive Noise Monitoring	Noise sensors with data recording every hour and uploading on the server. Quarterly calibration
		Pollution Load assessment in the parking/Basement and mitigation measures of the pollutants	Treatment units for removal of air pollutants should be installed to mitigate increase in pollutant load and proper calculation and mass balance should be provided. Mere writing text that trees will be planted for noise and air pollution without numbers will not suffice
			Adopt notified dust control measures (CPCB); Set up sensor based air quality monitoring during construction phase (as being done in Delhi-NCR)
7	Green Cover	Minimum 1 tree for every 80 sq.m. to be planted and maintained.	Tree cutting and transplanation shall be minimized through appropriate site planning strategies
		Maximize preservation of full grown native trees	To detail out why the existing trees cannot be replanted within the same site certified by the competent authority
		Maximize plantation of native trees in proper soil (and not just ornamental plantation).	This is to be seen in conjunction with the site permeabilily plan (para 1)
			Transplantation Plan - To give strong reasons of cutting or transplanting any fully grown tree. Reasons to be separately provided for each tree being removed with justification of why tree could not be integrated with/ within the structure
			Compensatory Plantation Plan (if required)
			Greenery, hardscape and landscape plan to demonstrate how its is helping reduce heat island effect
8	Top Soil protection & Reuse	Top soil to be preserved/reused	Plan for managing the same during construction needs to be submitted

9	Transport	Walkability & Public Safety (esp of vulnerable groups, women, children, differently abled) to be prioritized	Safe Pedestrian Access & Movement Plan with universal access and safety features for women; Eyes on the street, on parkign lots and public plazas/parks to be ensured.
		Circulation Plan with Entry- Exit and synergy with City Traffic	Entry-exits should be integrated with external junctions so that external queing can be minimized; traffic volume calculations to show how much queing is expected and same should be dealt within the site, without overflow on external roads
		Mitigation measures for minimising impact of City Roads	Direct, safe and easy access to be provided from metro stations/ bus stops/ IPT stands, etc. for pedestrians; conflicts to be minimized.
		Parking provision for all vehicle types (incl motorized & non-motorized)	Parking Plan to demarcate all modes & their circulation plans; provide for adequate charging of electric vehicles
		At least 50% of the additional traffic generated by the new facility to be managed through walking, cycling or para/ public transport.	Additional Traffic generation calculations to be provided along with mitigation measures
			Work Zone Management Plan for minimizing disruption for vehicular and pedestrian traffic during construction
10	Aesthetics	DUAC Approval	To be submitted or the details sought in item no. 6 and its subsections as per the Form 1A needs be presented in complete details
11	Environment Management Plan	Base Parameters for the specific site to be established	Incremental impact of the proposed development as per Environment modelling needs to be tabulated
		O&M Plan	Specific measures proposed for mitigating the above impact needs to be presented
12	Construction Management	Civil Labour for the Project	Calculation of Civil labour required
		Temporary Housing for Labour	If housing is being provided off site, then details to be provided alongwith transporation plan alongwith a list of shortlisted areas. Also, if there is a specific area earmarked for creating a lbour camp, details should be provided for that area alongwith this submission
			If housing is being provided on site, details of the proposed arrangements
		Other facilities	Details of temporary toilets and other facilities based on NBC requirements for Industry
		Site Plan for WZM	To be prepared including a clear marking of the construction areas, labour hutments and other facilities, excavated soil piling spaces, raw material yards, safe vehicular and pedestreian movement spaces

		Water Requirement for Construction	Detailed calculations alongwith identified Source with confirmation from competent Authority
		Potable Water Requirement for Labour	Detailed calculations alongwith identified Source with confirmation from competent Authority
		Non Potable Water Requirement for Labour	Detailed calculations alongwith identified Source with confirmation from competent Authority