



Environment Clearance for Building Construction and Township & Area Development Projects



Environment clearance is necessary
for a categories of construction
projects and area development
projects under EIA Notification, 2006



Environmental Clearance Criteria

Building and Construction Projects

Projects involving the construction of
buildings and infrastructure.
built up area ≥ 20000 sq.mtrs and $< 1,50,000$ sq.mtrs



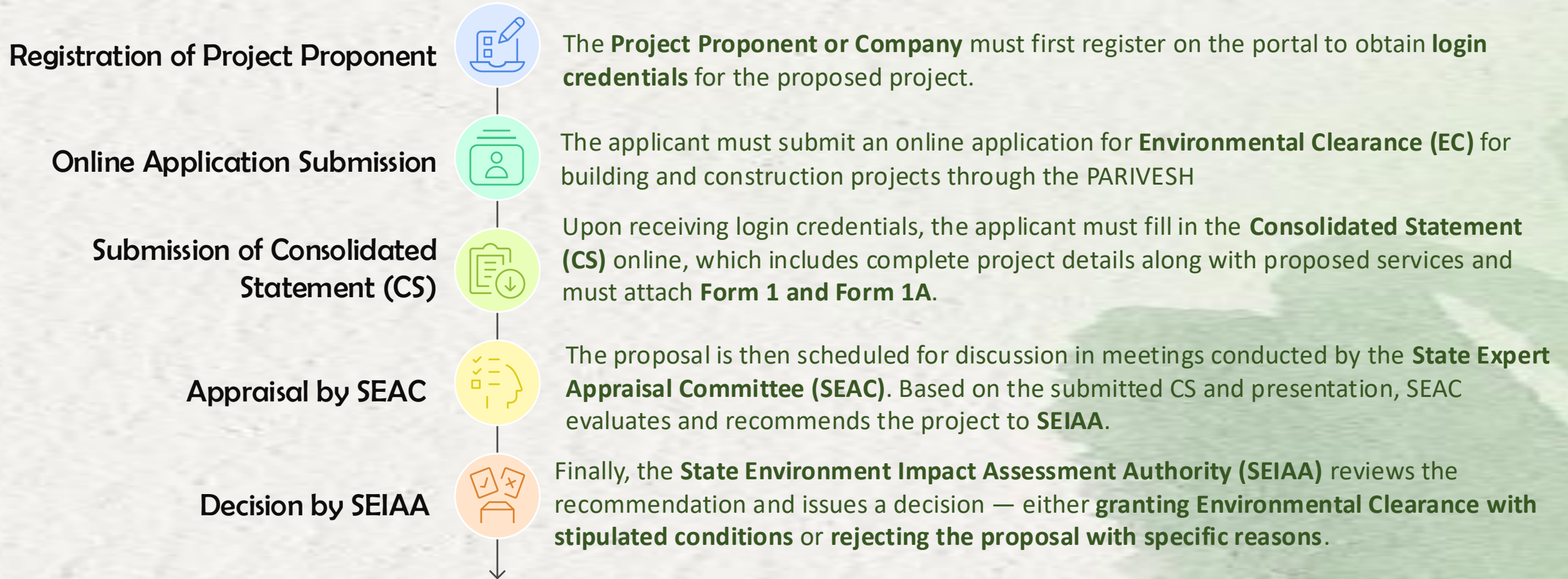
Townships and Area Development Projects

Projects focused on developing new residential or commercial
areas.
Covering an area ≥ 50 ha and or built up area $\geq 1,50,000$ sq.mtrs

Guidelines outlined here have been prepared to help the proponents in the preparation of documents to be submitted for environmental clearance. The guidelines outline the following:

- Environmental Clearance Requirements for Construction Projects
- Impacts and mitigation Measures for Site, Planning & Development
- Impacts and mitigation for Water Management
- Impacts and Mitigation Measures for transport Management and Air Pollution control
- Impacts from Building materials and Constructions including Solid Waste management
- Energy conservation Measures including Bio-climatic Design
- Set of mandatory and expected criteria to be followed by the developer
- Submittals required to address questions in Form1 and 1A of the notification.

Navigating the Environment Clearance Process



EC = Environmental Clearance

EIA = Environment Impact Assessment

SEIAA = State Level Environment Impact Assessment Authority

SEAC = State Level Expert Appraisal Committee

Data Required

1. Project Proponent & Project Information

- Name of Project
- Project Address - Must include Survey No, Region, Taluka, Dist. and Pin Code
- Name of Project Proponent - Firm Name (Same name on which the application for EC is to be done)
- Name of Authorized Person (Signing Authority) and Designation
- Office Address with Phone no., email id, Fax no etc.
- Any proof for Land possession (Land Purchase agreement / PR card)
- If any unresolved pending litigation pending. If any please provide detail.

2. Documents & Details

- Location detail - Google Image and Location plan
- Ariel View of Site
- Nos of workers to be deployed on site - Stationed at labor camp and visitors
- Details of facilities provided to the workers - Labor hutment, drinking water (Source of water), crèche, temporary toilets and final disposal of sewage (STP / mobile toilets etc.), water storage tank, electricity, etc.
- Budgetary provision for all temporary facilities.
- Waste Management Plan for hazardous waste.

	Client Related Documents - Land, Previous EC & Other
A	NA
B	Development Agreement
C	7 / 12 Land document
D	Site marked on DP
E	Sales deed agreement if done
F	CA Certificate of Total Cost
G	Power of Attorney
H	Site photographs showing construction status as on date, Trees photos , Sewer and Storm

	Client Related Documents - NOCs
A	Water NOC
B	Drainage NOC
C	Fire NOC
D	Swachh Agreement
E	Garden NOC
F	Aviation NOC
G	Applied IOD acknowledgement copy
H	Applied IOD layout
I	Subdivision layout

	Architectural Details
A	Area Statement -
B	Area certificate if any work has been already initiated / completed
C	Blank Letter heads
D	Master Layout
E	Building Sections - Along length - Showing dimensions
F	Building Sections - Along Width - Showing Dimensions
G	Fire Tender movement plan with dimensions
H	Parking plan at all levels
I	Parking Area Statement
J	IOD / Sanction plan
L	Google Images
M	Architect Certificate

Client Related Documents - Affidavit and agreements (on 500/- stamp paper)

	Plumbing & Fire Fighting Consultant
I.	Drawings
	Storm Water Drain - Internal
	Storm Water Drain - Over lapped on Contour
	Storm Water Drain - Connection to External Line
	Storm Water Line - Sections at external connection with Pipe dia and depth mentioned over drawing
	Basement Storm Water Drain Layout - Plan and Sections if applicable
	Sewer Line - Internal
	Sewer Line - Over lapped on Contour
	Sewer Line - Connection to External Line
	Sewer Line - Sections at external connection with Pipe dia and depth mentioned over drawing
	Rain Water Harvesting - Layout (Connection from Terrace line can be shown as well)
	RWH - Section as per NBC - 2016
	Strata Sections
	Water Supply Lines - From UGWT + STP till OHWT
	Road Sections showing - Water Supply lines, Drainage line, SWD, Flower Bed, electrical cables along with Distances
	OHWT - Plan and Sections
	UGWT - Plan and section (Section must have 300 mm uplift with respect to ground and a ramp to be shown)
	Fire Hydrant Layout
	Sprinkler Layout - Basement & Entire floor
	HFL - Red line and Blue line

II.	Calculations and Reports
	Water Balance Sheet
	Excess Treated Water Calculation - Dry Season
	Excess Treated Water Calculation - Wet Season
	Storm water discharge at external connection point
	Storm Water - Levels Calculations Internal as well as external
	SWD - Costing of Storm water Drain - Internal as well as external
	Sewer - Levels Calculations Internal as well as external
	Sewer - Costing - Internal as well as external
	Rain Water Harvesting - Run Off and % Percolations
	Rain Water Harvesting - Costing
	Sizing of UGWT and OHWT
	Geo hydro report
	Debris calculation

	Electrical and HVAC
I.	Drawings
	Services Location - DG & Transformer Room
	Yard Lighting
	Lighting Arrestor
	Solar Water Panels
	Basement Ventilation Plan if applicable
	Basement Ventilation - Sections if applicable
II.	Calculations and Reports
	MSEDCL Load Calculation
	DG Set Calculation - During Operation and Construction
	Solar Water Heating system
	Lighting Arrestor
	Basement Ventilation if any
	Energy Saving
	Cost Breakup
	TIA & ECBC Report

	Landscape
	Drawing
	Area Calculation and list of trees
	Costing Break up

	STP
	Drawing - Plan and Sections
	Write up
	Costing Break up

	OWC
	Drawing - Plan and Sections
	Write up
	Costing Break up

	EIA Specific
	Monitoring Lab report (3 months)
	FAE reports (12 experts)
	AQM Modelling
	Sun path and ECBC Analysis
	Carbon footprint analysis study