

# NATIONAL HYDROLOGY PROJECT

## Screening Checklist for Building Construction

IA: \_\_\_\_\_

Building Type (Data Center/ Office / WQ Lab)

Type of construction (Rehabilitation/ Demolition / Green Field)

Estimated Cost: INR \_\_\_\_\_

Name of the District, Block, Town:

Type of Land and ownership details (mention land record no.)<sup>1</sup>:

Area (specify unit – acres/ sq.mt/ sq.ft etc)

S. No.	Screening Item	Response
1.	<b>Does the construction site fall in secured zone?</b>	<b>Forest/ Eco sensitive / wetland/ grassland</b>
	If Yes, then possible to relocate site or readjust plan?	Yes/No
	If No, then take prior NOC	<i>List the Department from which NOC is required</i>
	Proximity/distance from the construction site from the <b>Forest/ Eco sensitive / wetland/ grassland</b>	
2.	<b>Is the site currently occupied or in use? Is the land free of any squatters, encumbrances or any other uses?</b>	Yes/No
	Are there any squatters living on the land proposed	Yes / No (If Yes, give details below)
	Is the land being used as common property resources - such as water supply structure; sanitation structures; power supply infrastructure etc. or approach way	Yes/No (If yes give the details)
	Are there any commercial structures on the land proposed	Yes/ No (If Yes, give details below)
	If yes, attach action plan to make the land free and available for construction.	

<sup>1</sup> The map of land and copy of other supporting revenue documents illustrating title holder can be enclosed

S. No.	Screening Item	Response
3.	Does the site fall in seismic zones III and above?	Yes/No. If yes, mention the zone verify if the design has adequately covered the earthquake resistant measures.
	Does the site fall in flood prone area?	Yes/No. If yes mention the maximum flood level and verify if the design adequately integrates flood proof measures
4.	<b>Any trees to be cut</b>	<b>(Yes/No)</b>
	If Yes: Details of the trees impacted	<i>List the tree species with their girth size and number. To be identified in consultation with Forest Department.</i>
	NOC from Forest Department	<i>IA to take due clearances.</i>
	Identified suitable land for tree plantation	<i>In consultation with the Forest Department</i>
	Estimated cost for tree cutting	<i>Logging and hauling cost to be included.</i>
	Estimated cost for tree plantation	<i>Species to be decided in consultation with Forest Department</i>
5.	<b>Utilities to be relocated</b>	
	Electrical	<i>If Yes, IA to take due clearances.</i>
	Associated Cost	
	Water	<i>If Yes, IA to take due clearances.</i>
	Associated Cost	
	Telephone	<i>If Yes, IA to take due clearances.</i>
	Associated Cost	
	Fiber optics	<i>If Yes, IA to take due clearances.</i>
	Associated Cost	
6.	<b>Earthwork:</b>	
	Amount of estimated excavation (cum)	
	Amount of estimated filling (cum)	
	Total earthwork to be disposed (cum)	
	Identified authorized sites for disposal of earthwork	<i>List all sites with respective capacities and distance from the work site. Calculate cost of hauling to various sites and ensure the same is accounted in BOQ.</i>
	Required clearances from SPCB	Overall Permission Storage Handling Hauling/ transportation <i>List all necessary clearances required</i>
7.	<b>Top Soil</b>	
	Top soil estimated to be preserved (cum)	

<b>S. No.</b>	<b>Screening Item</b>	<b>Response</b>
	Storing of top soil till end of construction	<i>Site to be pre-identified by IA and then reconfirmed with Contractor</i>
<b>8.</b>	<b>C&amp;D Waste</b>	
	Total waste estimated to be generated (cum)	
	Identified authorized sites for disposal of earthwork	<i>List all sites with respective capacities. Calculate cost of hauling to various sites and ensure the same is accounted in BOQ.</i>
	Required clearances from SPCB	Overall Permission Storage Handling Hauling/ transportation <i>List all necessary clearances required</i>
<b>9.</b>	<b>Hazardous Waste</b>	
	Total waste estimated to be generated (cum)	
	Identified <b>SPCB</b> authorized sites for disposal of earthwork	<i>List all sites with respective capacities. Calculate cost of hauling to various sites for safe disposal or treatment and ensure the same is accounted in BOQ.</i>
	Required clearances from SPCB	Overall Permission Storage Handling Hauling/ transportation <i>List all necessary clearances required</i>
<b>10.</b>	<b>Waste of Asbestos Containing Material (ACM – Hazardous Waste)</b>	
	Total waste estimated to be generated (cum)	
	Identified <b>SPCB</b> authorized sites for disposal of earthwork	<i>List all sites with respective capacities. Calculate cost of hauling to various sites for safe disposal or treatment and ensure the same is accounted in BOQ.</i>
	Required clearances from SPCB	Overall Permission Storage Handling Hauling/ transportation <i>List all necessary clearances required</i>
<b>11.</b>	<b>Solid (Municipal) Waste</b>	
	Total waste estimated to be generated (cum)	

S. No.	Screening Item	Response
	Identified authorized sites for disposal of earthwork	<i>List all sites with respective capacities. Calculate cost of hauling to various sites and ensure the same is accounted in BOQ.</i>
	Required clearances from SPCB/Municipal Corporation/Local Authority	Overall Permission Storage Handling Hauling/ transportation <i>List all necessary clearances required</i>
<b>12.</b>	<b>Water for construction</b>	
	Proposed water source of construction	Ground water/surface water
	If ground water: GW zone in which the building is being constructed	Safe/semi-critical/critical/overexploited
	Permission required for use of ground/surface water Permission for drilling a bore well - as water source for the building (if applicable)	<i>IA to take due clearances.</i>
<b>13.</b>	<b>Safety and Security</b>	
	Provision of safety and security in design	<ul style="list-style-type: none"> <li>● smoke detectors</li> <li>● alarms</li> <li>● automatic sprinkler systems</li> <li>● accessibility for fire tender and ambulance</li> <li>● fire escape staircases</li> <li>● accessible ramps for differently abled</li> <li>● signages and CCTV</li> <li>● access control system for sensitive areas</li> <li>● <i>Barricading</i></li> </ul>
	Required permission from Fire Department	<i>IA to take due clearances.</i>

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Executive Engineer

Dated:

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Superintending Engineer

Dated: