**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 \_\_\_\_\_\_

| **S. No.** | **Screening Item** | **Response** |
| --- | --- | --- |
|  | **Does the site fall in secured zone?** | **Forest/ Eco sensitive / wetland/ grassland** |
|  | If Yes, then possible to relocate site or readjust plan? | Yes/No |
|  | If No, then take prior NOC | *List the Department from which NOC is required* |
|  | **Any trees to be cut** | **(Yes/No)** |
|  | If Yes: Details of the trees impacted | *List the tree species with their girth size and number. To be identified in consultation with Forest Department.* |
|  | NOC from Forest Department | *IA to take due clearances.* |
|  | Identified suitable land for tree plantation | *In consultation with the Forest Department* |
|  | Estimated cost for tree cutting | *Logging and hauling cost to be included.* |
|  | Estimated cost for tree plantation | *Species to be decided in consultation with Forest Department* |
|  | **Utilities to be relocated** |  |
|  | Electrical | *If Yes, IA to take due clearances.* |
|  | Associated Cost |  |
|  | Water | *If Yes, IA to take due clearances.* |
|  | Associated Cost |  |
|  | Telephone | *If Yes, IA to take due clearances.* |
|  | Associated Cost |  |
|  | Fiber optics | *If Yes, IA to take due clearances.* |
|  | Associated Cost |  |
|  | **Earthwork:** |  |
|  | Amount of estimated excavation (cum) |  |
|  | Amount of estimated filling (cum) |  |
|  | Total earthwork to be disposed (cum) |  |
|  | Identified authorized sites for disposal of earthwork | *List all sites with respective capacities. Calculate cost of hauling to various sites and ensure the same is accounted in BOQ.* |
|  | Required clearances from SPCB | Overall Permission  Storage  Handling  Hauling/ transportation  *List all necessary clearances required* |
|  | **Top Soil** |  |
|  | Top soil estimated to be preserved (cum) |  |
|  | Storing of top soil till end of construction | *Site to be pre-identified by IA and then reconfirmed with Contractor* |
|  | **C&D Waste** |  |
|  | Total waste estimated to be generated (cum) |  |
|  | Identified authorized sites for disposal of earthwork | *List all sites with respective capacities. Calculate cost of hauling to various sites and ensure the same is accounted in BOQ.* |
|  | Required clearances from SPCB | Overall Permission  Storage  Handling  Hauling/ transportation  *List all necessary clearances required* |
|  | **Hazardous Waste** |  |
|  | Total waste estimated to be generated (cum) |  |
|  | Identified **SPCB** authorized sites for disposal of earthwork | *List all sites with respective capacities. Calculate cost of hauling to various sites and ensure the same is accounted in BOQ.* |
|  | Required clearances from SPCB | Overall Permission  Storage  Handling  Hauling/ transportation  *List all necessary clearances required* |
|  | **Waste of Asbestos Containing Material (ACM – Hazardous Waste)** |  |
|  | Total waste estimated to be generated (cum) |  |
|  | Identified **SPCB** authorized sites for disposal of earthwork | *List all sites with respective capacities. Calculate cost of hauling to various sites and ensure the same is accounted in BOQ.* |
|  | Required clearances from SPCB | Overall Permission  Storage  Handling  Hauling/ transportation  *List all necessary clearances required* |
|  | **Solid (Municipal) Waste** |  |
|  | Total waste estimated to be generated (cum) |  |
|  | Identified authorized sites for disposal of earthwork | *List all sites with respective capacities. Calculate cost of hauling to various sites and ensure the same is accounted in BOQ.* |
|  | Required clearances from SPCB | Overall Permission  Storage  Handling  Hauling/ transportation  *List all necessary clearances required* |
|  | **Water for construction** |  |
|  | 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 | *IA to take due clearances.* |
|  | **Safety and Security** |  |
|  | Provision of safety and security in design | * smoke detectors * alarms * automatic sprinkler systems * accessibility for fire tender and ambulance * fire escape staircases * accessible ramps for differently abled * signages and CCTV * access control system for sensitive areas |
|  | Required permission from Fire Department | *IA to take due clearances.* |

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Executive Engineer Superintending Engineer

Dated: Dated: