

**Annexure 6-B-1: Environmental Survey Checklist (Existing Structure)****SCREENING CHECKLIST – BUILDINGS INVOLVING RENOVATION, EXPANSION ETC (EXISTING)  
ASSAM AGRIBUSINESS AND RURAL TRANSFORMATION PROJECT**

<b><u>Basic Information</u></b>	
Name of Work	:
Division	:
District	:
Type of the Work	:
Total Area	:
Name of Monitor's	:
Name of Supervisor	:

<b>Sl. No.</b>	<b>Screening Checklist</b>	<b>Response</b>	<b>Specify/Remarks</b>
1	Inclusion of solar passive features in the designs (optional - in case of construction of an additional room or closing the walls)		
2	Fire safety (if not already existing)		
3	Separate toilets for men and women with running water facility inside with septic tanks (in case of new toilets). Features such as holding bars for disable people and old persons		
4	Closed drains connected to a well managed sewerage system		
5	Safety features as applicable - parapet walls for the roof, grills for stair case etc.		
6	Non use of lead paints, use of paints with low VOC.		
7	Non use of asbestos. Shift from OPC to PPC (cement)		
8	Structural stability certificate from PWD (if the buildings are too old)		

**Annexure 11b-3: SUB-COMPONENT:B.2.3.1: BUILDINGS INVOLVING RENOVATION, EXPANSION ETC (EXISTING)**  
**ENVIRONMENTAL MANAGEMENT PLAN (EMP): IDENTIFICATION OF IMPACT AND MITIGATION MEASURE**

Sl. No	Activity	Potential Impact	Mitigation Measures	Responsible for Implementation	Applicable sectors
<b>A. Pre-Construction Stage</b>					
1	Approvals/NOC Licences and Permits/ Insurance.	As per the legal requirements	<ul style="list-style-type: none"> <li>All necessary approvals, permits and licences required by the state and local legislation shall be obtained prior to commencing of the construction activity.</li> <li>All approvals, permits and licences shall be maintained and up dated before expiry, and complied with during the construction period.</li> </ul>	Contractor/ OPIU/PWRD	Renovation of Existing Building
<b>B. Construction Phase</b>					
2	Transportation and storage of construction materials	<ul style="list-style-type: none"> <li>Nuisance to the public</li> <li>Fugitive emissions</li> </ul>	<ul style="list-style-type: none"> <li>While carrying the materials should be covered and secured to prevent loss or re-suspension of materials during movement.</li> <li>Construction materials should be stored in covered areas to ensure protection of surrounding areas from dust and emissions.</li> <li>Diesel and other lubricant oil shall be stored in a covered area provided with hard surface / paved surface to prevent soil pollution.</li> <li>Appropriate signage should be given to the designated areas (storage/ restriction of entries/toilets/ laboratory etc.,) in the construction site.</li> </ul>	Contractor//PWRD	Renovation of Existing Building
3	Waste management and minimization	Impacts on land, water and visual impacts showing poor housekeeping practices.	<ul style="list-style-type: none"> <li>Recycled materials shall be used to the limits of design.</li> <li>Any construction waste generated from the construction site shall be contained within the boundary of the site and removed at regular intervals to an appropriate waste disposal or recycling facility.</li> <li>The Municipal Solid Waste (MSW) generated in the construction and labour camp shall be separated as</li> </ul>	Contractor//PWRD	Renovation of Existing Building

Sl. No	Activity	Potential Impact	Mitigation Measures	Responsible for Implementation	Applicable sectors
			<p>organic and inorganic wastes.</p> <ul style="list-style-type: none"> <li>The worksite shall be left in a tidy and rubbish free state upon completion of the works</li> <li>There should be no burning of waste.</li> </ul>		
4	Occupational Health and Safety	<ul style="list-style-type: none"> <li>Lack of safety tools</li> <li>Lack of safe construction practices.</li> <li>Accidents occurring on site</li> <li>Site and task specific hazards</li> <li>Problem of Noise problem</li> </ul>	<ul style="list-style-type: none"> <li>Provide safety gears to workers working in hazardous areas and provide training in the use of these safety gears and compulsory use of PPE's as per as per EHS (IFC, World Bank Group):                             <ul style="list-style-type: none"> <li>Safety Glasses with side-shields,</li> <li>Plastic Helmets with top and side impact protection.</li> <li>Hearing protectors (ear plugs or ear muffs),</li> <li>Safety shoes and boots for protection against moving &amp; falling objects, liquids and chemicals,</li> <li>Gloves made of rubber or synthetic materials (Neoprene), leather, steel, insulating materials, etc.</li> <li>Facemasks with appropriate filters for dust removal and air purification (chemicals, mists, vapours and gases). Single or multi-gas personal monitors, if available,</li> <li>Portable or supplied air (fixed lines). On-site rescue equipment,</li> <li>Insulating clothing, body suits, aprons etc. of appropriate materials.</li> </ul> </li> <li>Keep first aid box ready at work areas and camps</li> <li>Provide adequate space with ventilation, clean toilets/ bio toilets (separate for Ladies and Gents), solid waste management, light.</li> <li>Separate covered / walled toilet rooms (including bathing platforms) shall be provided for male and female labours.</li> </ul>	Contractor//PWRD	Renovation of Existing Building

Sl. No	Activity	Potential Impact	Mitigation Measures	Responsible for Implementation	Applicable sectors
			<ul style="list-style-type: none"> <li>• Fire fighting equipment like fire extinguishers will be provided in the camp as per fire safety standards.</li> <li>• Displays prominently telephone/contact number of nearest ambulance service, health units.</li> <li>• Provision of safe drinking water with respect to IS 10500:2012.</li> </ul>		
5	Waste disposal	<ul style="list-style-type: none"> <li>• Contamination of soil from toxic or hazardous waste materials</li> <li>• Decrease in water quality from sudden releases or gradual seepage of leachate into nearby water courses</li> <li>• Generation of foul and odour.</li> </ul>	<ul style="list-style-type: none"> <li>• The waste generated should be stored in a designated place having impervious layer to prevent leachate.</li> <li>• Separation of biodegradable and non-biodegradable wastes and options for recover, reuse and recycle shall be explored.</li> <li>• The waste shall be disposed in the designated location as identified by the local panchayat / municipalities.</li> <li>• Installation of dustbins for both biodegradable and non-biodegradable wastes within the market area.</li> </ul>	Contractor//PWRD	Renovation of Existing Building
6	Use of Lavatory (Toilets)	<ul style="list-style-type: none"> <li>• Contamination of excrement with the local water bodies and soil.</li> <li>• Generation of odour.</li> </ul>	<ul style="list-style-type: none"> <li>• All construction labour should use the designated lavatory, open defecation must be avoided. Proper cleaning of toilets and maintenance of the lavatory must be done.</li> </ul>	Contractor/ PWRD/OPIU	Renovation of Existing Building
<b>C. Post Construction/ Operation phase</b>					
7	Use of Power	Over consumption of power.	<ul style="list-style-type: none"> <li>• Use of Energy Efficient low loss – electrical ballast.</li> <li>• Solar lighting is considered partly for external lighting if possible</li> <li>• Use of energy efficient devices such as CFL and T5 bulbs instead of incandescent bulb.</li> <li>• Installation of solar water heater.</li> </ul>	Contractor//PWRD	Renovation of Existing Building
8	Use of water	Reduce exploitation of ground water resources.	<ul style="list-style-type: none"> <li>• Minimize water consumption with water-efficient features in building. Collecting rainwater for cleaning purposes might be a good option.</li> </ul>	Contractor//PWRD	Renovation of Existing Building