

Smart Eye – Technology Platform for Endoscopy

Healthcare Technology Innovation Centre

Environmental and Health Risk Management Plan

1. Environmental Impact and risk mitigation

Risks	Project Specific Risk	Potential Impact	Mitigation Steps
Air Pollution	Minimal risk	Spills of used oil can cause contamination of air.	Used oil will be disposed as per norms of local pollution control board.
Water Pollution and Waste water treatment	Minimal risk	Spills of used oil can cause contamination of ground water.	Used oil will be disposed as per norms of local pollution control board.
Chemical waste	Minimal risk	Spills of used oil result in risk of contamination of air, soil, groundwater etc.	Disposed as per norms of local pollution control board.
Biological Waste	Minimal risk	Project implementation aspects will not create any adverse biological waste.	Project implementation aspects will not create any adverse biological waste.
Heavy metals	Minimal risk	Project implementation aspects will not create any adverse heavy metals waste.	Project implementation aspects will not create any adverse heavy metals waste
Radiation Waste	Minimal risk	Project implementation aspects will not create any adverse radiation waste.	Project implementation aspects will not create any adverse radiation waste.
Destruction/alteration of surrounding ecosystem	Minimal risk	Project implementation aspects will not cause any adverse effect on surrounding ecosystem.	Project implementation aspects will not cause any adverse effect on surrounding ecosystem.

2. Occupational Health and Safety and risk mitigation

Risks	Project Specific Risk	Potential Impact	Mitigation Steps
Heat Hazards	Minimal risk	Project implementation aspects will not cause any heat hazards	Project implementation aspects will not cause any heat hazards
Chemical hazards, including fire and explosions	Minimal risk	Injuries, property loss	Fire Extinguisher, Fire hydrant system
Pathogenic and biological hazards	Minimal risk	Project implementation aspects will not cause any pathogenic and biological hazards.	Project implementation aspects will not cause any pathogenic and biological hazards.
Radiological hazards	Minimal risk	Project implementation aspects will not cause any radiological hazards.	Project implementation aspects will not cause any radiological hazards.
Noise	Minimal risk	Project implementation aspects will not cause high noise level.	Project implementation aspects will not cause high noise level
Process safety	Minimal risk	Engineering and equipment maintenance shall be undertaken as per SOPs.	Process risk assessment and engineering control.

3. Community Health and Safety and risk mitigation

Risks	Project Specific Risk	Potential Impact	Mitigation Steps
Safety Transportation Management System (for transport of hazardous material)	Need safe transportation of used oil during disposal	Spills can cause contamination of air, soil, groundwater etc.	Disposed as per norms of local pollution control board through authorized bodies.

Emergency preparedness and participation of local authorities and potentially affected communities	Minimal risk	Localised	Onsite emergency plan, mock drills, communication mechanism to neighbouring centre.
<p>In case your organization already has EHS guideline, please summarise the same. If not, please describe the impact because of hazardous material, release of chemicals, biologicals, management of catastrophic events like fire/explosion.</p>			

Notwithstanding the above other risk (relevant to the project activities) that will be identified in the course shall be addressed as per standard mitigation monitoring parameters and manner of records keeping shall be in accordance to the recommendations of the project monitoring committee on subject experts engaged by BIRAC