

The EMP to be implemented at the proposed project site (WINI Plot)

Potential impacts	Proposed Mitigation Measures	Impact rating when mitigated	Monitoring Indicators	Responsible party	Monitoring timeframe
<p>1. Noise pollution (Expected sources of noise pollution include vehicles and machinery)</p>	<ul style="list-style-type: none"> -Containment of noisy operations, including locating noise operations away from sensitive neighbourhoods -Limit drilling works to daytime only -Drilling work to take shortest time possible -Selection of appropriate machinery and regular servicing of machinery and vehicles, -Provision by contractor and use of ear plugs by drilling workers. 	Low	Noise levels	Contractor/Proponent (EIF)	Daily
<p>2. Air quality concerns (Air pollution is anticipated to arise from exhaust from engines)</p>	<ul style="list-style-type: none"> -Sprinkling water to dusty areas during site preparation and drilling operations -trees planting 	Low	<ul style="list-style-type: none"> -Visual inspections -Trees layout, number, and height 	Contractor/Proponent (EIF)	Daily
<p>3. Soil Erosion (drilling and heavy machinery movement will expose topsoil to possible soil erosion).</p>	<ul style="list-style-type: none"> -Loose soils to be used to fill back excavated/disturbed areas. -Loose soils to be compacted with a mechanical roller to avoid erosion by wind or surface runoff. - Plant trees and shrubs 	Low	<ul style="list-style-type: none"> -Trees layout, number, and height -Measure Soil erosion level 	Contractor	Once off after completion of drilling activities.

<p>4. Impact on ground water resources (increased demand for water).</p>	<ul style="list-style-type: none"> -Put proper measures for collection and disposal of spilled oils and lubricants - Ensure the available underground water quantity can sustain the identified activities. 	<p>Medium</p>	<ul style="list-style-type: none"> -Water quality tests -Amount of water being extracted 	<p>Contractor/Proponent (EIF)</p>	<p>The contractor will monitor the collection and disposal of spilled oils daily, throughout the drilling exercise and the proponent will monitor water quantity after drilling on a continuous basis until the end of CRAVE project.</p>
<p>5. Health and Safety Risks (Risk of accident incidents is anticipated with the drilling activities. Drilling workers will be in direct contact with heavy machinery and equipment Health, safety and security are important aspects throughout the project implementation).</p>	<ul style="list-style-type: none"> -Design and implement safety measures and emergency plans to contain accident risks, -Regular Training on health and safety to workers shall be conducted, -Provide workers with protective clothing (nose and mouth masks, earmuffs, overalls, industrial/safety boots, and gloves) and helmets, -Avail first aid kits on site 	<p>Low</p>	<p>Efficiency of assigned mitigation measures</p>	<p>Contractor/Proponent (EIF)</p>	<p>Daily</p>
<p>6.Increased risk of Covid-19 (Increased risk of Covid-19 can occur due to handling of the same tools and equipment at the drilling site and social interactions between drilling workers and local people)</p>	<ul style="list-style-type: none"> -Provide workers with face masks and hand sanitizers to reduce the risk of contracting Covid-19. 	<p>Low</p>	<p>Efficiency of assigned mitigation measures</p>	<p>Contractor/Proponent (EIF)</p>	<p>Daily</p>
<p>7. Impact on archaeological site</p>	<p>Fence off the area within the demo plot where the grave is located.</p>	<p>Low</p>	<p>Area fenced off</p>	<p>Project beneficiaries/proponent (EIF)</p>	<p>Once- Off</p>

