



# KHALID CONSTRUCTION ENGINEERING

Govt. Approved Contractor

Head Office: House # 786, Street No: 1,  
Shadman Colony, Warsak Road, Peshawar.

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- Conservation Restoration Specialist
- Contractors
- Builders
- General Order Suppliers
- Designers
- Architectures

Ref No: KCE/KITE/09

Date: 13-9-2021

**Name of Sub- Project: Rescue 1122 Stations in Tourist Areas  
Thandiani, Ayubia, Kumrat, Kewai, Kalash.  
Contractor Environmental and Social Management Plan  
(CESMP)**

Topic	Mitigation, Management and Enhancement Measures	Means of Verification	Responsibility	Monitoring Procedure
Sources of Materials	1. Materials available in the open market. The contractor will procure from local stock store.	1. Stock Register	Contractor	1. Check the register
Air Quality	1. Stockpiled materials will be covered to avoid dust/particulate emission. 2. Contractor shall cover loose material when transported by vehicles. 3. All vehicles used during construction activities should be kept in good working condition and be properly tuned and maintained to minimize exhaust emissions. 4. The generator shall be periodically checked for air pollution 5. To contain dust water sprinkling at least 2 times a day.	1. Visual check 2. Register	Contractor	1. Random site inspection 2. Check register
Surface water quality	1. Oil changing and refueling of vehicles will be strictly prohibited onsite. 2. Any such chemicals stored onsite will be enclosed in a safe and	1. Visual check during rain 2. Shall coordinate with GDA, KgDA & Local	Contractor	1. Random site inspection.

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	<p>secure place.</p> <ol style="list-style-type: none"><li>3. If leakage/spill is detected, the spill should be contained by up righting the container, or otherwise stopping the source of the spill.</li><li>4. PPE provided in oil spill kits is designed to withstand the effects of oils and additives. The gloves provide a good grip even in slippery conditions.</li><li>5. Ensure chemicals from the ground have been removed, even if this means digging up some soil where oil/ fuel/ related chemical has penetrated the surface.</li><li>6. Stock can be covered by plastic sheet.</li><li>7. Dispose any wastes generated by construction activities in designated sites.</li><li>8. Contractor to use asbestos free cement.</li><li>9. Debagging will be done in closed compound.</li></ol>	<p>administration</p> <ol style="list-style-type: none"><li>3. Temporary septic tank</li><li>4. Location of storage area</li><li>5. Visual check</li></ol>		
Drinking Water Source	<ol style="list-style-type: none"><li>1. Govt Water supply line KgDA GDA&amp;CTA Will be used.</li></ol>	<ol style="list-style-type: none"><li>1. Drinking water from</li></ol>	Contractor	<ol style="list-style-type: none"><li>1. Record in record</li></ol>







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		reputable laboratory.		register.
Washroom and Sewerage system provision for construction workers	Sewerage system shall include utilizing best engineering practices i.e., 1. It will be ensured that Latrines are located at a minimum distance of 50 feet away from drinking water sources (tube wells and hand pumps etc.) depending on soil condition. 2. Container designs to include septic tank and soak pit. 3. Disposal system of washroom for construction workers should be ensured. 4. Water supply for workers washrooms may be ensured.	1. O&M document prepared. 2. Visual check	Contractor	1. Random site inspection 2. Soakage pit is away from drinking water source.
Noise Levels	1. Don't allow to enter the site, noise creating trucks for transportation of materials. 2. Don't allow generator which create noise. 3. During drilling, noise reduction equipment's such as ear plug shall provide to the labor/ professional workers. 4. Minimize noise from construction	1. Visual check	Contractor	1. Random site inspection







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	equipment by using vehicle silencers, fitting jackhammers with noise- reducing mufflers, and portable street barriers to reduce the sound impact to surrounding PCR.			
Landscape and Aesthetics	<ol style="list-style-type: none"><li>1. Solid waste shall dispose in waste bin.</li><li>2. Prepare and implement Waste Management Plan</li><li>3. Avoid stockpiling of excess excavated soils</li></ol>	<ol style="list-style-type: none"><li>1. Waste Bin available</li><li>2. Waste management plan for the construction activities</li><li>3. Visual check</li><li>4. Sale register</li></ol>	Contractor	<ol style="list-style-type: none"><li>1. Random site inspection</li><li>2. Check waste management plan</li></ol>
Accessibility to Sub-Project	<ol style="list-style-type: none"><li>1. Plan transportation routes for stock materials.</li><li>2. Schedule transport and hauling activities during non- peak hours.</li><li>3. Locate entry and exit points in areas where there is low potential for traffic congestion</li><li>4. Keep the site free from all unnecessary obstructions</li><li>5. Coordinate with Traffic Police for temporary road diversions</li><li>6. Notify affected person from vehicles by providing sign boards</li></ol>	<ol style="list-style-type: none"><li>1. Transportation Plan</li><li>2. Visual check</li><li>3. GRM Register</li><li>4. Coordination record.</li><li>5. Contractor register</li><li>6. GRM Pamphlet distributed.</li><li>7. GRM register</li></ol>	Contractor	<ol style="list-style-type: none"><li>1. Check the transportation plan.</li><li>2. Random site inspection</li><li>3. Review of GRM register.</li><li>4. Check the coordination record.</li><li>5. Check</li></ol>







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	<p>informing nature and duration of construction works and contact numbers for concerns/complaints.</p> <p>7. Distribute GRM awareness leaflets to the local residents</p> <p>8. Maintain GRM register on site.</p>			<p>contractor register.</p> <p>6. GRM Pamphlet</p> <p>7. Review of GRM register.</p>
Socio-Economic Employment	<p>1. Employ local persons within the 2-km immediate area if manpower is available; and Procure construction materials from local market.</p>	Daily attendance register	Contractor	<p>1. Random site inspection</p>
Occupational Health and Safety	<p>1. Provision of first aid facilities for workers at site for meeting the emergency needs of workers</p> <p>2. Avoid stagnation of water from domestic use or material preparation by aeration methods or initiate drainage/cleanup of stagnant water by using pumps</p> <p>3. Use of Personal Protective Equipment (PPE) by workers including goggles and masks to avoid inhalation of dust.</p> <p>4. Regular sprinkling of water on ground to avoid dust.</p> <p>5. The adjacent plants shall be watered during construction of</p>	<p>1. Site specific health and safety plan.</p> <p>2. PPEs available on site</p> <p>3. Training performed and recorded.</p> <p>4. Accidents recorded</p> <p>5. First Aid available</p> <p>6. Drinking water available for worker</p> <p>7. visual</p>	Contractor	<p>1. Random site inspection</p>







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	foundation work by contractor. 6. Emergency contact numbers will be displayed	8. Training performed for new comers and recorded. 9. Signage for dangerous spot.		
Social and Cultural Resources	1. Follow the protocol for chance finds in any excavation work. 2. Provide training to the workers on this topic.	1. Records/ immediately inform DOAM. 2. Training record	Contractor	1. Random site inspection
Labour rights	1. Ensure that workers have access to and aware about GRM	1. GRM pamphlet distributed.	Contractor	1. Review of GRM register
Flora and Fauna Site clearance vegetation removal	1. Limit vegetation clearance within the boundary.	1. Vegetation clearing minimal, no mature tree cleared	Contractor	1. Random site visit.
Stakeholder engagement and GRM	1. Ensure regular consultation with local communities regarding the sub project, initiate GRM to allow affected individual concern.	1. Minutes of the meetings on GRM, attendance of communities.	Contractor	1. Review of GRM







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Communicable disease	1. Report any occurrence of communicable disease among the workers	2. Disease Register	Contractor	1. Review of disease register/ and referral mechanism
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