



GOVERNMENT  
OF KHYBER  
PAKHTUNKHWA

KHYBER PAKHTUNKHWA  
**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

## **ESTABLISHMENT OF RESCUE 1122 STATIONS IN TOURIST AREAS**

Thandiani,  
Ayubia,  
Kumrat,  
Kewai,  
Kalash

Environmental Management Plan (EMP)  
September 2021

**Project Management Unit (DoT)**  
**Khyber Pakhtunkhwa Integrated Tourism Development  
Project (KITE)**



<b>Table of Contents</b>		
<b>S. No</b>	<b>Description</b>	<b>Page No.</b>
1.	Project Description	04
2.	Sub-Project Description	04
3.	Legal & Regulatory Framework	04
4.	Implementation Arrangements	07
5.	Environmental Screening Assessment	08
6.	Environmental Management Plan (Standard EMP) for Supply & Installation of Rescue 1122 Station	09
7.	Mitigation and Monitoring Budget	20
<b>Annexures</b>		
I.	Environmental and Social Screening Checklist Thandiani, Abbottabad	21
II.	Environmental and Social Screening Checklist Ayubia, Abbottabad	41
III.	Environmental And Social Screening Checklist Kumrat, Dir Upper	62
IV.	Environmental And Social Screening Checklist Kewai, Mansehra	84
V.	Environmental And Social Screening Checklist Kalash, Lower Chitral	106
VI.	Field Monitoring Form	125
VII.	Chance Find Procedures	128
VIII.	COVID-19 SOPs for Contractors during Construction	129
IX.	Site Drawings & Pictures	136
<b>Tables</b>		
1.	Anticipated Impacts and Mitigation Measures – Pre-construction Environmental Mitigation Plan	09
2.	Anticipated Impacts and Mitigation Measures – Construction Stage Environmental & Social Mitigation Plan	10
3.	Anticipated Impacts and Mitigation Measures – Operation and Maintenance Environmental & Social Mitigation Plan	17



## **1. Project Description:**

The Government of Khyber Pakhtunkhwa (GoKP) is undertaking several initiatives to develop the tourism sector and employ it as a key driver of economic growth and job creation in the province. To create an enabling environment for the private sector to participate and develop the tourism value chain, the GoKP has entered into a partnership with the World Bank (WB) through an International Development Association (IDA) credit for the Khyber Pakhtunkhwa Integrated Tourism Development (KITE) Project. KITE is a \$70 million IDA credit which aims to create tourism-enabling infrastructure, enhance tourism assets and strengthen destination management for sustainable tourism development in Khyber Pakhtunkhwa.

## **2. Sub-project Description:**

KITE project Department of Tourism (DoT) is working on the promotion of tourism as well as provision of facilities to tourists. In view of dire need of emergency rescue services in tourist areas KITE project intends to establish Emergency Rescue stations at different tourist sites i.e. Galyat and Thandiani Abbottabad, Kewai Manshera, Kumrat Dir Upper and Kalash Lower Chitral. After completion these Rescue Stations will be handed over to Emergency Rescue Service (Rescue 1122) Khyber Pakhtunkhwa for further operations and management (O&M) through its own resources.

These stations will include installation of 2 prefab containers (office & residential). These units having specs of 50' x 8' each will be installed as per drawings attached in this document. The installation activities will include minor civil works i.e., levelling of site, construction of soak pits, septic tank, water tank and necessary sanitary works (cross sectional drawings are annexed).

## **3. Legal and Regulatory Framework:**

### **a. E&S Operational Policies of World Bank:**

This activity can potentially cause negative environmental and social impacts in small scale, localized and reversible in nature therefore this EMP has been prepared in accordance with OP 4.01, 4.04, 4.10 and OP 4.11.



**i. OP 4.01 Environmental Assessment:**

This policy defines the Environmental Assessment (EA) process and various types of the EA instruments. Since most of impacts from this activity are likely to be small scale, short term, localized, and reversible in nature therefore can be managed through mitigation and management plan (checklist followed by supervision and monitoring checklist).

**ii. OP 4.04 Natural Habitat:**

This OP is triggered for the overall KITE project to support the protection, maintenance and rehabilitation of natural habitats and their functions. Since most of impacts from this activity are likely to be small scale and reversible in nature therefore no real threat to natural habitat (flora & fauna) is expected hence OP 4.04 not applicable for the sub project.

**iii. OP 4.10 Indigenous People:**

This OP defines the process to be followed if the project affects indigenous people. This OP is triggered as the project include activities in Indigenous Kalash community area. Therefore, an Indigenous Peoples Plan (IPP) will be prepared and implemented.

**iv. OP 4.11 Physical and Cultural Resources:**

This policy safeguards archaeological, physical or cultural heritage sites and assists in their preservation and avoids their elimination. The sub-project activity is not planned to be implemented on any PCR site or in its vicinity.

**b.KP Environmental Protection Act (Revised 2014):**

KP EPA is responsible for ensuring the implementation of provisions of the Act in KP's territorial jurisdiction. KP EPA is also required to ensure compliance with the NEQS and establish monitoring and evaluation systems.

Relevant provisions are as follows:

**Section 11 (Prohibition of Certain Discharges or Emissions)** states that "Subject to the provisions of this Act and the rules and regulations made thereunder, no person shall discharge or emit, or allow the discharge or emission of, any effluent or waste or air pollutant



or noise in an amount, concentration or level which is in excess of the National Environmental Quality Standards (NEQS).

**Section 15 (Handling of Hazardous Substances)** requires that “Subject to the provisions of this Act, no person shall generate, collect, consign, transport, treat, dispose of, store, handle, or import any hazardous substance except (a) under a license issued by the EPA and in such manner as may be prescribed; or (b) in accordance with the provisions of any other law for the time being in force, or of any international treaty, convention, protocol, code, standard, agreement, or other Instrument to which Pakistan is a party.” Enforcement of this clause requires the EPA to issue regulations regarding licensing procedures and to define ‘hazardous substance.

**Section 16 (Regulation of Motor Vehicles):** Subject to provision of this clause of the Act and the rules and regulations made thereunder, no person shall operate a motor vehicle from which air pollutants or noise are being emitted in an amount, concentration or level which is in excess of the NEQS, or where the applicable standards established under clause (g) of subsection (1) of Section-6 of the Act.

**Section 18 (Penalties):** Whoever contravenes or fails to comply with the provisions of section 11, 12, 13, or section 16 or any order issued thereunder shall be punishable with fine which may extend to one million rupees, and in the case of a continuing contravention or failure, with an additional fine which may extend to one hundred thousand rupees for every day during which such contravention or failure continues: Provided that if contravention of the provisions of section 11 also constitutes contravention of the provisions of section 15, such contravention shall be punishable under sub-section (2) only.

- Section 19 (Offences by Bodies Corporate):** Where any contravention of this Act has been committed by a body corporate, and it is proved that such offense has been committed with the consent or connivance or, is attributed to any negligence on the part of, any director, partner, manager, secretary or other officers of the body corporate, such director, partner, manager, secretary or other officers of the body corporate, shall be deemed guilty of such contravention along with the body corporate and shall be punished accordingly.

#### **5. Implementation Arrangements:**



Project Director (PD) PMU KITE DoT will be overall responsible for the EMP implementation. The Liaison & Coordination Officer PMU DoT will be designated as the KITE EMP Coordinator, who will ensure that the present EMP is effectively implemented. The EMP Coordinator will ensure that the EMP is provided to each of the construction contractors and the Supervision Consultants.

The PMU E&S team will also ensure that the environmental monitoring is carried out regularly during the entire construction phase as per the Environmental Monitoring Plan. The E&S Expert PMU KITE is responsible for maintaining and reviewing complete record of these monitoring reports and a quarterly report on the basis of the field monitoring forms will be prepared and shared with the Project Director and World Bank.

Post-construction, the Emergency Rescue Service (Rescue 1122) Khyber Pakhtunkhwa will be responsible for the regular O&M of these stations through its own resources. E&S Expert & EMP Coordinator PMU KITE will do monitoring visits in this regard.

## **6. Stakeholder Engagement:**

for all the stated sub-project activities meaningful consultations were carried out with the relevant stakeholders. Details are as follows:

6.1. **Ayubia & Galyat Project site<sup>1</sup>:** A consultation meeting was conducted with local hotels rep, Rescue 1122 staff and GDA staff. The following attended:

- i. Mr. Asad Shah, AD GDA
- ii. Mr. Zahid, Incharge Rescue 1122 Nathia Gali
- iii. Mr. Qasim Khan, rep of local hotel owners

The consultation involved briefing about the proposed establishment of Rescue 1122 station at Thandiani. The local hotel rep and others welcomed the initiative and suggested the following to be considered during implementation:

- The service should be available all the time to tourists and locals as well.
- Banners and pamphlets to be provided knowing tourists and locals about the rescue service.

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<sup>1</sup> Ayubia and Thandiani both falls under the same authority i.e. GDA therefore stakeholders consultation was made for both in same meeting.



- Proper cleanliness shall also be ensured during and post implementation.
- The people demanded for hiring of unskilled labors from local populace.

6.2. **Kumrat project Site** A consultation meeting was conducted with local hotels rep, Rescue 1122 staff and Kumrat staff. The following attended:

- i. Mr. Khurshid Alam, ADC Dir Upper
- ii. Mr. Shahwali DEO Rescue 1122
- iii. Mr. Farhan, rep of local hotel owners
- iv. Mr. Kamran Khan, local

The consultation involved briefing about the proposed establishment of Rescue 1122 station at Kumrat. The local hotel rep and others welcomed the initiative and suggested the following to be considered during implementation:

- The service should be available all the time to tourists and locals as well.
- Banners and pamphlets to be provided knowing tourists and locals about the rescue service.
- Proper cleanliness shall also be ensured during and post implementation.
- The people demanded for hiring of unskilled labors from local populace.

6.3. **Kewai Project Area:** A consultation meeting was conducted with local hotels rep, Rescue 1122 staff and district Administration Manshera staff. The following attended:

- i. Mr. Hafeez, DEO Rescue 1122 Manshera
- ii. Mr. Zahid Mehmood, DD KgDA
- iii. Mr. Jamshed Khan, Tehsildar Balakot
- iv. Mr. Ayub, rep of local hotel owners
- v. Mr. Sohail, local resident

The consultation involved briefing about the proposed establishment of Rescue 1122 station at Kewai, Shogran. The local hotel rep and others welcomed the initiative and suggested the following to be considered during implementation:

- The service should be available all the time to tourists and locals as well.
- Banners and pamphlets to be provided knowing tourists and locals about the rescue service.
- Proper cleanliness shall also be ensured during and post implementation.
- The people demanded for hiring of unskilled labors from local populace.



6.4. Kalash Project Area: A consultation meeting was conducted with local reps, Rescue 1122 staff and district administration. The following attended:

- i. Mr. Saqlain, AC Chitral
- ii. Mr. Zafar ud Din, DEO Rescue 1122 Lower Chitral
- iii. Mr. Salim Khan, Tehsildar

Reps from local community:

- Mr. Faiz Alam Labor
- Mr. Yasir Ali Shop keeper
- Mr. Ali Raza Farmer
- Mr. Wazir Zada Student
- Mr. Ameer -ud- Din Government employee
- Mr. Ihtesham Farmer

The consultation involved briefing about the proposed establishment of Rescue 1122 station at Kalash. The local welcomed the initiative and suggested the following to be considered during implementation:

- Locals to be provided periodic training on social and environmental issues, impacts and their mitigation.
- The locals also highlighted their norms, and traditional behavior and stressed that the kalash people have their own identity.
- A local student said that the minorities shall have their rights, and they shall keep in view during posting and employment.
- Locals were also of the opinion that during construction of foundation work, the local community shall be hired.

## **7. Environmental Screening Assessment:**

The team conducted E&S screening and risk assessment and prepared environmental and social management and monitoring plan. The E&S category of the project is B and therefore as per OP 4.01 an EMP is require for project interventions during implementation.

A consolidated EMP of construction of emergency rescue center for Galiyat and Thandiani Abbottabad, Kewai Manshera, Kumrat upper Dir and Kalash Lower Chitral an IPP for Kalash will also be prepared.





**8. Environmental Management Plan (Standard EMP) for Establishment of Rescue 1122 Station:**

**Table – I: Anticipated Impacts and Mitigation Measures – Pre-construction Environmental Mitigation Plan**

Activity	Anticipated Impacts	Mitigation Measures	Responsible for Mitigation	Monitoring by (during installation/ Construction)	Mitigation Budget per site
Acquisition of land for 1122 station	Social impacts of the local community	The Rescue 1122 station are proposed to construct on the land owned by KP government.	Rescue 1122 / DoT	PMU KITE DoT	--
Social and Cultural Resources	Ground disturbance can uncover and damage archaeological and historical remains	A Chance Find Mechanism has been developed ( <b>Annex-VII</b> ) for use by the construction contractors in conducting any excavation work, to ensure that any chance finds are recognized and measures are taken to ensure they are protected and conserved.	1. DoT 2. DoAM	PMU KITE DoT	--



**Table- II: Anticipated Impacts and Mitigation Measures – Construction Stage Environmental & Social Mitigation Plan**

Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (during installation/ Construction)	Mitigation Budget per site
Air Quality	<ul style="list-style-type: none"> <li>Dust emissions may be generated during construction activity.</li> <li>Due to movement of rescue vehicles dust can be generated.</li> <li>During use of generator the emission can contribute to the air pollution in the area.</li> </ul>	<ol style="list-style-type: none"> <li>Stockpiled materials will be covered to avoid dust/particulate emission.</li> <li>Contractor shall cover loose material when transported by vehicles.</li> <li>All vehicles used during construction activities should be kept in good working condition and be properly tuned and maintained to minimize exhaust emissions.</li> <li>The generator shall be periodically checked for air pollution</li> <li>To contain dust water sprinkling at least 2 times a day.</li> </ol>	Construction Contractor,	KITE PMU DoT/ Rescue 1122	10,000
Surface water	Fuel, oil or lubricants for	1. Rescue workers will be	Construction	KITE PMU	40,000



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 PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (during installation/ Construction	Mitigation Budget per site
quality & Soil contamination	vehicles on-site can contaminate the environment and adversely affect flora and fauna. Left unattended, oil spills percolate through the soil to the nearest water source, such as a sewer or river as well as ground water.	<p>provided training by ES PMU as to how to deal with accidental leakages from vehicles</p> <ol style="list-style-type: none"> <li>2. Oil changing and refueling of vehicles will be strictly prohibited onsite.</li> <li>3. Any such chemicals stored onsite will be enclosed in a safe and secure place.</li> <li>4. 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>5. PPE provided in oil spill kits is designed to withstand the effects of oils and additives. The gloves provide a good grip even in</li> </ol>	Contractor	DoT/ Rescue 1122	



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (during installation/ Construction)	Mitigation Budget per site
		<p>slippery conditions.</p> <p>6. 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.</p> <p>7. Stock can be covered by plastic sheet.</p> <p>8. Dispose any wastes generated by construction activities in designated sites.</p> <p>9. Contractor to use asbestos free cement.</p> <p>10. Debagging will be done in closed compound.</p>			
Water Supply	If not provided, can create nuisance and smell.	Govt./ water supply resources will be used.	Construction Contractor	KITE PMU DoT/ Rescue 1122	--
Washroom and	Can create environmental and	Sewerage system shall include	Construction	KITE PMU	10,000



GOVERNMENT  
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**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (during installation/ Construction)	Mitigation Budget per site
Sewerage system provision for construction workers	social problems if not addressed properly.	utilizing best engineering practices i.e., <ul style="list-style-type: none"> <li>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.</li> <li>Container designs to include septic tank and soak pit.</li> <li>Disposal system of washroom for construction workers should be ensured.</li> <li>Water supply for workers washrooms may be ensured.</li> </ul>	Contractor	DoT/ Rescue 1122	
Noise Levels	Noise generated due to drilling activities can create problems for workers.	Ear plugs shall be provided to the workers.	Construction Contractor	KITE PMU DoT/ Rescue 1122	500
Solid Waste	Construction activities can	1. Construction waste will be disposed of properly in	Construction	KITE PMU	50,000



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (during installation/ Construction)	Mitigation Budget per site
Disposal	generate solid waste on site.	<p>government approved/allocated waste disposal site</p> <ol style="list-style-type: none"> <li>2. Avoid piling of construction waste for extended periods of time. Frequent collection and disposal will be ensured.</li> <li>3. No waste will be dumped at any location outside the proposed site boundary or within the locality;</li> <li>4. Removal of excess matter/debris from the site immediately.</li> <li>5. Surplus construction materials including partially filled chemical and paint containers will be returned to suppliers</li> <li>6. Use of PPEs (protective gloves, face masks, protective boots) by the</li> </ol>	Contractor	DoT/ Rescue 1122	



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (during installation/ Construction)	Mitigation Budget per site
		workers involved in handling and management of all kinds of waste.			
Socio- Economic - Employment	Generation of contractual employment and increase in local revenue	<ol style="list-style-type: none"> <li>1. Employ local persons within the 2-km immediate area if manpower is available</li> <li>2. Secure construction material from local market (if available)</li> </ol>	Construction Contractor	KITE PMU DoT/ Rescue 1122	--
Occupational Health and Safety	The subproject lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	<ol style="list-style-type: none"> <li>1. Provision of first aid facilities for workers at site for meeting the emergency needs of workers</li> <li>2. Avoid stagnation of water from domestic use or material preparation by aeration methods or initiate drainage/cleanup of stagnant water by using pumps</li> <li>3. Use of Personal Protective Equipment (PPE) by</li> </ol>	Construction Contractor	KITE PMU DoT/ Rescue 1122	As above



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (during installation/ Construction)	Mitigation Budget per site
		<p>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 foundation work by contractor.</p> <p>6. Emergency contact numbers will be displayed</p>			
Excavation of Earth	Excavation of earth for foundation will result in back in fill material	Contractor will do compaction of site in order to protect erosion during rains.	Construction Contractor	KITE PMU DoT/ Rescue 1122	--
Covid SOPs		Covid SOPs will be strictly adhered to during work. Contract to provide PPEs, hand sanitizers etc to workers.	Construction Contractor	PMU DoT/ Rescue 1122	As above
Grievance Redressal	Public grievances related to environment and social aspects	<p>1. Maintain a complaint register on site.</p> <p>2. Identify and appropriately</p>	Construction Contractor	KITE PMU DoT/ Rescue 1122	--





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**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

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Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (during installation/ Construction)	Mitigation Budget per site
		<p>respond to impacts on directly affected persons to ensure legal compliance and meet moral / ethical obligations.</p> <p>3. Distribute GRM awareness leaflets to the local residents.</p>			



**Table-III: Anticipated Impacts and Mitigation Measures – Operation and Maintenance Environmental & Social Mitigation Plan**

Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (Post construction)
Surface water quality & Soil contamination	Fuel, oil or lubricants for vehicles on-site can contaminate the environment and adversely affect flora and fauna. Left unattended, oil spills percolate through the soil to the nearest water source, such as a sewer or river as well as ground water.	<ol style="list-style-type: none"> <li>1. Rescue workers will be provided training by E&amp;S Expert PMU as to how to deal with accidental leakages from vehicles.</li> <li>2. Oil changing and refueling of vehicles will be strictly prohibited onsite.</li> <li>3. Any such chemicals stored onsite will be enclosed in a safe and secure place.</li> <li>4. 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>5. 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> </ol>	Rescue 1122	PMU KITE DoT



GOVERNMENT  
OF KHYBER  
PAKHTUNKHWA

KHYBER PAKHTUNKHWA  
**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (Post construction)
		6. 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.		
Routine operation & maintenance of Rescue Stations	Improper maintenance can lead to unhygienic condition and nuisance.	Rescue 1122 to develop and implement operation and maintenance (O&M) plans	Rescue 1122	PMU KITE DoT
Repair works of Rescue stations	General impacts due to repair works	1. Shall immediately repair 2. Shall follow all health and safety procedures for work.	Rescue 1122	PMU KITE DoT
Solid Waste Disposal	Routine activities of Rescue Stations will generate solid waste.	1. Disposal of solid waste will be carried out in a manner that does not negatively affect the drinking water sources, irrigation channels, natural drainage paths, the existing waste management system in the area, local routes, and general aesthetic value of the area. 2. No waste will be dumped at any location outside the proposed site boundary. 3. Disposal to municipal solid waste bin. 4. Use of PPEs (protective gloves,	Rescue 1122	PMU KITE DoT



GOVERNMENT  
OF KHYBER  
PAKHTUNKHWA

KHYBER PAKHTUNKHWA  
**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

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<b>Activity</b>	<b>Anticipated Impact</b>	<b>Mitigation Measures</b>	<b>Responsible for Mitigation</b>	<b>Monitoring by (Post construction)</b>
		face masks, protective boots) by the workers involved in handling and management of all kinds of waste.		



**9. Monitoring Plan:**

The objective of environmental monitoring during the various phases of the proposed sub-project will be as follows:

- Ensuring that the mitigation measures included in the EMP are being implemented completely.
- Ensuring the effectiveness of the mitigation measures in minimizing the project’s impacts on social and environmental resources.

Activities	Mitigation Measures	Monitoring Frequency and Parameters	Responsibility of Implementation	Responsibility of Monitoring
<b>Air Quality</b>	Stockpiled materials will be covered to avoid dust/particulate emission.	Daily Basis through visual monitoring	Contractor	E&S Expert PMU KITE  Rescue 1122
	Contractor shall cover loose material when transported by vehicles.			
	All vehicles used during construction activities should be kept in good working condition and be properly tuned and maintained to minimize exhaust emissions.			
	The generator shall be periodically checked for air pollution			
	To contain dust water sprinkling at least 2 times a day.			
<b>Surface Water Quality &amp; Soil Contamination</b>	Rescue workers will be provided training by ES PMU as to how to deal with accidental leakages from vehicles.	Daily Basis through visual monitoring	Contractor	E&S Expert PMU KITE



	<p>Oil changing and refueling of vehicles will be strictly prohibited onsite.</p>	<p>For water testing after operationalization on annual basis.</p>	<p>Site Incharge Rescue 1122</p>	<p>Rescue 1122</p>
<p>Any such chemicals stored onsite will be enclosed in a safe and secure place.</p>				
<p>It will be placed on impermeable surface with raised edges to prevent its percolation as well as runoff.</p>				
<p>If leakage/spill is detected, the spill should be contained by up righting the container, or otherwise stopping the source of the spill.</p>				
<p>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.</p>				
<p>Water testing</p>				
<p>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.</p>				
<p>Dispose of waste absorbent by placing it into sealed plastic bags and contact a licensed contractor to transport the bags to a registered hazardous waste disposal site.</p>				
<p>Stock can be covered by plastic sheet.</p>				



	Dispose any wastes generated by construction activities in designated sites.			
	Contractor to use asbestos free cement.			
	Debagging will be done in closed compound.			
<b>Washroom and Sewerage system improvements</b>	Sewerage system shall improve utilizing best engineering practices according to the site location and downstream communities.	During construction	Contractor	E&S Expert PMU KITE  Rescue 1122
	Soakage pit shall be away from the drinking water source.			
<b>Noise Levels</b>	Ear plugs shall be provided to the workers.	During construction	Contractor	E&S Expert PMU KITE  Rescue 1122
<b>Solid Waste Disposal</b>	Construction waste will be disposed of properly in government approved/allocated waste disposal site	During construction	Contractor	E&S Expert PMU KITE  Rescue 1122
	Avoid piling of construction waste for extended periods of time. Frequent collection and disposal will be ensured.			
	Use of PPEs (protective gloves, face masks, protective boots) by the workers involved in handling and management of all kinds of waste.			



<b>Occupational Health and Safety</b>	Regular sprinkling of water on ground to avoid dust.	Daily through visual inspection	Contractor	PMU KITE Rescue 1122
	The adjacent plants shall be watered during construction of foundation work by contractor.			
<b>Excavation of Earth</b>	Contractor will do compaction of site in order to protect erosion during rains.	During construction	Contractor	PMU KITE Rescue 1122
<b>Grievance Redressal</b>	Maintain a complaint register on site.	During site visit by E&S team	Contractor	PMU KITE Rescue 1122
	Identify and appropriately respond to impacts on directly affected persons to ensure legal compliance and meet moral / ethical obligations.			
	Distribute GRM awareness leaflets to the local residents.			
<b>Covid SOPs</b>	Covid SOPs will be strictly adhered to during work. Contractor to provide PPEs, hand sanitizers etc to workers.	Daily basis through visual inspection	Contractor	PMU KITE Rescue 1122

Note: Implementation monitoring budget will be supported by Rescue 1122 through its own sources.





## 10. CAPACITY BUILDING

### 10.1 Training

To ensure the successful implementation of the environmental and mitigation measures, a strengthening of relevant and fundamental competencies is essential. The objectives of the environmental trainings include providing basic knowledge and information on the key environmental and social issues associated with the proposed interventions to the key project personnel including the Rescue 1122 staff, PMU staff and Contractors involved in management of the subproject.

In order to comply with the anticipated environment and social attributes as described in EMP, meetings will be held with the contractor to ensure the socially acceptable and environmentally sustainable situation during execution of the schemes.

The Contractor will also be briefed about procedures and methods for complying with environmental and social management conditions, and any specific conditions specified in an EMP; a description of specific mitigation measures that will be implemented in order to minimize adverse impacts; a description of all planned monitoring activities. Construction Contractor will ensure that the proposed project activities are in compliance with the EMP, NEQS and World Bank operational policies.

Environmental and Social Safeguard Specialist at the PMU KITE will actually execute the training programs. E&S Expert will be responsible for the overall implementation of training plan and will also ensure proper relevant documentation. The budget will be managed through KITE. A tentative training plan is given below:

Table 10.1: Training plan under EMP					
Description of Training	Training Module	Location	Participants	Frequency	Budget
One day training on Implementation of EMP	<ul style="list-style-type: none"> <li>• Implementation of EMP</li> <li>• Detail about Mitigation Measures proposed in EMP</li> <li>• O&amp;M of Rescue stations</li> <li>• GRM</li> <li>• Monitoring and reporting</li> </ul>	One in PMU and one at each sub-project site	Contractor, Rescue 1122 staff,	Before start of Construction by the Contractor	40,000
One day Training on Appropriate personal protective equipment	<ul style="list-style-type: none"> <li>• What is the purpose of PPE?</li> <li>• How important to use PPE?</li> <li>• How to use PPE?</li> </ul>	PMU KITE Peshawar	Contractor, Rescue 1122 staff,	At the start of Construction	5000



(PPE) and First Aid	<ul style="list-style-type: none"> <li>• First Aid</li> <li>• EHS aspects</li> <li>• Fire Fighting</li> </ul>				
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### 11. Mitigation and Monitoring Budget:

The cost for the implementation of construction stage mitigation activities given in this plan will be included within the civil works contract for this sub-project with total cost of Rs. **597,500/-**. After establishment of rescue stations all sites will be handed over to Rescue 1122 for operations, hence, all O&M will be borne by Rescue 1122 through its own annual budget. Rescue 1122 has been observed to have adequate capacity with regards to implementation of Project O&M. This is based on the fact that all the vehicles in Rescue 1122 stations are properly maintained and the workers are properly trained accordingly. They also have the vast network (32 districts in KP) and budget for their operations.

Name of item	Quantity	Unit
Face Masks	10	box
Safety Shoes	20	pairs
Gloves	50	pairs
First Aid Box	5	1 Box per site
Ear Plugs	55	Pair
Safety Helmets	55	Per person
Safety Jackets	20	Per person
Sanitizer	11	Per site
Reflective Tape	11	Each
Safety cones	20	Each
Safety boards	11	Each

:



**Annex-I**

**Environmental and Social Screening (E&S Screening)**

**1. Establishment of Rescue 1122 Station at Thandiani District Abbottabad**

<b>Subproject Location</b>	Thandiani District Abbottabad
<b>Coordinates</b>	34°14'07.8"N 73°21'23.4"E
<b>Estimated Cost</b>	Rs. 77.00 million



**Environmental and Social Screening**

S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
<b>A</b>	<b>Zoning and Land Use Planning</b>					
1.	Will the subproject affect land use zoning and planning or conflict with prevalent land use patterns?	X	-	-	-	Since this site is owned by GDA therefore this activity will not affect any land use pattern.
2.	Will the subproject involve significant land disturbance or site clearance?	X	-	-	-	
3.	Will the subproject land be subject to potential encroachment by urban or industrial use or located in an area intended for urban or industrial development?	X	-	-	-	
<b>B</b>	<b>Utilities and Facilities</b>					
1.	Will the subproject require the setting up of ancillary facilities?	-	X	-	-	Wash Rooms & kitchen etc for Rescue teams are inbuilt in prefab structure.
2.	Will the subproject make significant demands on utilities and services?	-	X	-	-	This includes demand of water sewerage line and water supply line etc. As a mitigation measure following actions will be taken: a. The drinking water source will be tested for compliance to drinking water from reputable lab. b. Purchase of water bottles by Rescue 1122 for the staff if safe and clean



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						drinking water source is not available.
3.	Will the subproject require significant levels of accommodation or service amenities to support the workforce during construction	X	-	-	-	
<b>C</b>	<b>Water and Soil Contamination</b>					
1.	Will the subproject require large amounts of raw materials or construction materials?	-	X	-	-	Minor civil work activities i.e., soak pits, septic tank, water tank for which it is proposed that skilled mason for construction activities may be hired.
2.	Will the subproject generate large amounts of residual wastes, construction material waste or cause soil erosion?	-	X	-	-	Small amount of construction materials, sands, crush, cement will be used as per requirement. As mitigation measure contractor will be asked to: <ul style="list-style-type: none"> <li>• Use asbestos free cement.</li> <li>• Do debagging in a closed compound with proper PPEs like respirators (N95 mask) and hand gloves etc. to avoid dust inhale and provide hand protection</li> <li>• Ensure proper respirator use and maintenance per manufacturer's instructions.</li> <li>• Ensure that only NIOSH-certified respirators are used and ones with the proper design for the application.</li> <li>• Ensure that the exposure does not</li> </ul>



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<p>involve contaminants that the respirator is not designed to protect from. i.e., gases, vapors, or very small particles that the respirator will not collect.</p> <ul style="list-style-type: none"> <li>• Keep track of the respirator to avoid using someone else's.</li> <li>• Construction waste will be disposed of properly in government approved/allocated waste disposal site</li> <li>• Avoid piling of construction waste for extended periods of time. Frequent collection and disposal will be ensured.</li> </ul>
3.	Will the subproject result in potential soil or water contamination (e.g., from oil, grease and fuel from equipment yards)?	–	X	–	–	<p>Fuel, oil or lubricants for vehicles on-site can contaminate the environment and adversely affect flora and fauna. Left unattended, oil spills percolate through the soil to the nearest water source, such as a sewer or river as well as ground water. Mitigation measures are as follows:</p> <ul style="list-style-type: none"> <li>• Rescue workers will be provided training by E&amp;S Expert PMU as to how to deal with accidental leakages from vehicles.</li> <li>• Oil changing and refueling of vehicles will be strictly prohibited onsite.</li> </ul>



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<ul style="list-style-type: none"> <li>• Any such chemicals stored onsite will be enclosed in a safe and secure place with locks.</li> <li>• It will be placed on impermeable surface with raised edges to prevent its percolation as well as runoff.</li> <li>• 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>• 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>• 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>• Dispose of waste absorbent by placing it into sealed plastic bags and contact a licensed contractor to transport the bags to a registered hazardous waste disposal site.</li> <li>• Replenish the PPE, booms, and absorbents used to clean up the spill.</li> </ul>



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						This step should be accomplished as soon as possible to prevent a situation where you are unable to respond to a spill due to lack of spill response materials.
4.	Will the subproject lead to an increase in suspended sediments in streams affected by road cut erosion, decline in water quality and increased sedimentation downstream?	X	-	-	-	
5.	Will the subproject involve the use of chemicals or solvents?	X	-	-	-	
6.	Will the subproject lead to the destruction of vegetation and soil in the right-of-way, borrow pits, waste dumps, and equipment yards?	X	-	-	-	
7.	Will the subproject lead to the creation of stagnant water bodies in borrow pits, quarries, etc., encouraging for mosquito breeding and other disease vectors?	X	-	-	-	
<b>D</b>	<b>Noise and Air Pollution Hazardous Substances</b>					
1.	Will the subproject increase the levels of harmful air emissions?	-	X	-	-	Due to movement of rescue vehicles dust can be generated. Similarly, during use of generator the emission can contribute to the air pollution in the area. The following mitigation measures will be adopted:





S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<ul style="list-style-type: none"> <li>The generator shall be periodically checked for air pollution monitoring during implementation and post implementation. This shall be checked during monitoring activities during the project execution and post implementation.</li> <li>To contain dust water sprinkling at least 3 times a day.</li> <li>The contractor shall purchase such items keeping in view the</li> </ul>
2.	Will the subproject increase ambient noise levels?	X	–	–	–	
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	–	–	–	No, however the storage, handling and transportation of such substance (if any) shall be carried by trained personnel of Rescue 1122. The project will monitor this during implementation period.
<b>E</b>	<b>Fauna and Flora</b>					
1.	Will the subproject involve the disturbance or modification of existing drainage channels (rivers, canals) or surface water bodies (wetlands, marshes)?	X	–	–	–	
2.	Will the subproject lead to the	X	–	–	–	



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	destruction or damage of terrestrial or aquatic ecosystems or endangered species directly or by induced development?					
3.	Will the subproject lead to the disruption/destruction of wildlife through interruption of migratory routes,	X	-	-	-	
4.	Disturbance of wildlife habitats, and noise-related problems?	X	-	-	-	
<b>F</b>	<b>Destruction/Disruption of Land and Vegetation</b>					
1.	Will the subproject lead to unplanned use of the infrastructure being developed?	X	-	-	-	
2.	Will the subproject lead to long-term or semi-permanent destruction of soils in cleared areas not suited for agriculture?	X	-	-	-	
3.	Will the subproject lead to the interruption of subsoil and overland drainage patterns (in areas of cuts and fills)?	X	-	-	-	
4.	Will the subproject lead to landslides, slumps, slips and other mass movements in road cuts?	X	-	-	-	
5.	Will the subproject lead to erosion of lands receiving concentrated outflow carried by covered or open drains?	X	-	-	-	
6.	Will the subproject lead to health hazards and	X	-	-	-	



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	interference of plant growth adjacent to roads by dust raised and blown by vehicles?					
<b>G</b>	<b>Cultural Property</b>					
1.	Will the subproject have an impact on archaeological or historical sites, including historic urban areas?	X	-	-	-	
2.	Will the subproject have an impact on religious monuments, structures and/or cemeteries?	X	-	-	-	
<b>H</b>	<b>Expropriation and Social Disturbance</b>					
1.	Will the subproject involve land expropriation or demolition of existing structures?	X	-	-	-	
2.	Will the subproject lead to induced settlements by workers and others causing social and economic disruption?	X	-	-	-	
3.	Will the subproject lead to environmental and social disturbance by construction camps?	X	-	-	-	
4.	Will the sub- project require of tree cutting, if yes how many, location, pictures	X	-	-	-	
5.	The sub project leads to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	-	X	-	-	a. Regular sprinkling of water on ground to avoid dust. b. The adjacent plant shall do watering during construction of foundation work



GOVERNMENT  
OF KHYBER  
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**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						by contractor.



**Environmental and Social Screening (Site Related Issues)**

S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
1.	Does the subproject require land acquisition? [Note: Fill in the land acquisition form if YES]	–	X	–	The land is owned by GDA.
2.	Does the subproject negatively impact livelihoods [Note: Describe separately if YES]	–	X	–	
3.	Is the sub project located on land with contested ownership?	–	X	–	
4.	Is the sub project located in an area with security problems	–	X	–	
5.	Is the sub projected located on land reclaimed from floods (the ownership here may be contested)	–	X	–	
6.	Is the subproject located in an area with designated natural reserves?	–	X	–	
7.	Is the subproject located in an area with unique natural features?	–	X	–	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
8.	Is the subproject located in an area with endangered or conservation-worthy ecosystems, fauna or flora?	-	X	-	
9.	Is the subproject located in an area which would create a barrier for the movement of conservation-worthy wildlife or livestock?	-	X	-	
10.	Is the subproject located close to groundwater sources, surface water bodies, water courses or wetlands?	-	X	-	
11.	Is the subproject located in an area with designated cultural properties such as archaeological, historical and/or religious sites?	-	X	-	
12.	Is the subproject in an area with religious monuments, structures and/or cemeteries?	-	X	-	
13.	Is the project located in an area	-	X	-	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
	from where people have been displaced?				
14.	Is the project located in an area where IDPs are temporarily settled?	-	X	-	
15.	Is the project in a politically sensitive area?	-	X	-	
16.	Is the subproject in a polluted or contaminated area?	-	X	-	
17.	Is the subproject located in an area of high visual and landscape quality?	-	X	-	
18.	Is the subproject located in an area susceptible to landslides or erosion?	-	X	-	
19.	Is the subproject located in a densely populated area?	-	X	-	
20.	Is the subproject located on prime agricultural land?	-	X	-	
21.	Is the subproject located in an area of tourist importance?	X	-	-	Thandiani is a tourist attraction site in District Abbottabad. Tourism is already developed in the



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
					area.
22.	Is the subproject located near a waste dump?	-	X	-	
23.	Does the subproject have access to potable water?	X	-	-	Government water supply line is available on site.
24.	Is the subproject located in an area with a wastewater network?	-	X	-	
25.	Is the subproject located in the urban plan of the city?	-	X	-	





**Environmental and Social Screening (Involuntary Resettlement Screening)**

Potential Impacts	Yes	No	Expected	Remarks
Does the sub-project involve any physical construction work, i.e., rehabilitation, reconstruction or new construction? Specify in “remarks” column.	X	-	-	Small scale activities e.g., septic tank, soakage pit, leveling and dressing is involved. All works will take place on GDA land.
Does the sub-project involve impacts on land, assets and people, if “Yes” try to quantify the impacts and check following items? If “No” impacts, explain the situation in “remarks” and move to section 2.	-	X	-	
<b>Potential impacts</b>				
<b>Land</b> (quantify and describe types of land in “remarks column”.	X	-	-	The subproject will be carried out on GDA land.
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	The subproject will be carried out on GDA land.
Private land				
➤ Residential	-	X	-	
➤ Commercial	-	X	-	
➤ Agriculture	-	X	-	
➤ Communal	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Land-based assets:</b>	-	X	-	
➤ Residential structures	-	X	-	
➤ Commercial structures (specify in “remarks”)	-	X	-	
➤ Community structures (specify in “remarks”)	-	X	-	



Potential Impacts	Yes	No	Expected	Remarks
➤ Agriculture structures (specify in “remarks”)	-	X	-	
➤ Public utilities (specify in “remarks”)	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Agriculture related impacts</b>	-	X	-	
➤ Crops and vegetables (specify types and cropping area in “remarks”)	-	X	-	
➤ Trees (specify number and types in “remarks”)	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Affected Persons (DPs)</b>	-	X	-	
➤ Number of DPs	-	X	-	
➤ Males	-	X	-	
➤ Females	-	X	-	
➤ Titled land owners	-	X	-	
➤ Tenants and sharecroppers	-	X	-	
➤ Leaseholders	-	X	-	
➤ Agriculture wage laborers	-	X	-	
➤ Encroachers and squatters (specify in remarks column).	-	X	-	
➤ Vulnerable DPs (e.g., women headed households, minors and aged, orphans, disabled persons and those below the poverty line). Specify the number and vulnerability in “remarks”.	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Section 2</b>	-	X	-	
Others (specify in “remarks”.	-	X	-	
➤ Are there any indigenous or other minority groups affected by land acquisition or project activities? If “Yes” check the	-	X	-	



GOVERNMENT  
OF KHYBER  
PAKHTUNKHWA

KHYBER PAKHTUNKHWA  
**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

Potential Impacts	Yes	No	Expected	Remarks
following items				
➤ Indigenous groups (specify groups in “remarks”). Describe nature of impacts	-	X	-	
➤ Minority groups (specify in “remarks”). Describe nature of impacts	-	X	-	



**Summarized E&S Screening Table**

Activities		Category
<b>Physical</b>	Soil Erosion/ Contamination	B
	Air Quality	B
	Surface Water Quality	B
	Groundwater Quality	B
	Water Availability and Consumption	B
<b>Biological</b>	Natural Vegetation	C
	Wildlife	C
<b>Social</b>	Blocked Access Routes	C
	Noise and Vibration	B
	Impacts on Agriculture	C
	Impacts on Irrigation Network	C
	Livestock Grazing	C
	Compensation Issues	C
	Safety Hazard	B
	Infrastructure Utilities	B
	Public Health	B
	Aesthetic Value	B
	Cultural Issues	C
	Gender Issues	C

**KEY:** A for high risk, B for medium risk, and C for negligible risk.



<b>Overall Assessment</b>	
o Sub-project is declined	—
o Sub-project is accepted	Yes
o Sub-project is classified as environmental Category A and requires an in-depth Environmental and Social Impact Assessment and an Environmental Management Plan.	—
o Sub-project is classified as environmental Category B and requires an Environmental Management Plan.	The sub-project impacts are localized and reversible in nature and can be managed through mitigation and management plan (checklist followed by supervision and monitoring checklist). This will be implemented by project engineer, contractor, and PMU Environmental and Social Safeguard team.
o Sub-project is classified as environmental Category C and does not require an Environmental Management Plan.	—



GOVERNMENT  
OF KHYBER  
PAKHTUNKHWA

KHYBER PAKHTUNKHWA  
**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

## Annex-II

### 2. Establishment of Rescue 1122 Station at Ayubia District Abbottabad

<b>Subproject Location</b>	Ayubia District Abbottabad
<b>Coordinates</b>	34°01'39.0"N 73°24'28.1"E
<b>Estimated Cost</b>	Rs. 77.00 million



**Environmental and Social Screening**

S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
<b>A</b>	<b>Zoning and Land Use Planning</b>					
1.	Will the subproject affect land use zoning and planning or conflict with prevalent land use patterns?	X	–	–	–	Since this is GDA property therefore this activity will not affect any land use pattern.
2.	Will the subproject involve significant land disturbance or site clearance?	X	–	–	–	
3.	Will the subproject land be subject to potential encroachment by urban or industrial use or located in an area intended for urban or industrial development?	X	–	–	–	
<b>B</b>	<b>Utilities and Facilities</b>					
1.	Will the subproject require the setting up of ancillary facilities?	–	X	–	–	Wash Rooms & kitchen etc for Rescue teams are inbuilt in prefab structure.
2.	Will the subproject make significant demands on utilities and services?	–	X	–	–	This includes demand of water sewerage line and water supply line etc. As a mitigation measure following actions will be taken: a. The drinking water source will be tested for compliance to drinking water from reputable lab. b. Purchase of water bottles by Rescue 1122 for the staff if safe and clean drinking water source is not available.
3.	Will the subproject require significant levels of accommodation or service amenities to support	X	–	–	–	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	the workforce during construction					
<b>C</b>	<b>Water and Soil Contamination</b>					
1.	Will the subproject require large amounts of raw materials or construction materials?	–	X	–	–	Minor civil work activities i.e., soak pits, septic tank, water tank for which it is proposed that skilled mason for construction activities may be hired.
2.	Will the subproject generate large amounts of residual wastes, construction material waste or cause soil erosion?	–	X	–	–	Small amount of construction materials, sands, crush, cement will be used as per requirement. As mitigation measure contractor will be asked to: <ul style="list-style-type: none"> <li>• Use asbestos free cement.</li> <li>• Do debagging in a closed compound with proper PPEs like respirators (N95 mask) and hand gloves etc. to avoid dust inhale and provide hand protection</li> <li>• Ensure proper respirator use and maintenance per manufacturer's instructions.</li> <li>• Ensure that only NIOSH-certified respirators are used and ones with the proper design for the application.</li> <li>• Ensure that the exposure does not involve contaminants that the respirator is not designed to protect from. i.e., gases, vapors, or very small particles that the respirator will not</li> </ul>





S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<p>collect.</p> <ul style="list-style-type: none"> <li>• Keep track of the respirator to avoid using someone else's.</li> <li>• Construction waste will be disposed of properly in government approved/allocated waste disposal site.</li> <li>• Avoid piling of construction waste for extended periods of time. Frequent collection and disposal will be ensured.</li> </ul>
3.	Will the subproject result in potential soil or water contamination (e.g., from oil, grease and fuel from equipment yards)?	)_	X	-	-	<p>Fuel, oil or lubricants for vehicles on-site can contaminate the environment and adversely affect flora and fauna. Left unattended, oil spills percolate through the soil to the nearest water source, such as a sewer or river as well as ground water.</p> <p>Mitigation measures are as follows:</p> <ul style="list-style-type: none"> <li>• Rescue workers will be provided training by E&amp;S Expert PMU as to how to deal with accidental leakages from vehicles.</li> <li>• Oil changing and refueling of vehicles will be strictly prohibited onsite.</li> <li>• Any such chemicals stored onsite will be enclosed in a safe and secure place with locks.</li> <li>• It will be placed on impermeable surface with raised edges to prevent its</li> </ul>



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<p>percolation as well as runoff.</p> <ul style="list-style-type: none"> <li>• 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>• 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>• 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>• Dispose of waste absorbent by placing it into sealed plastic bags and contact a licensed contractor to transport the bags to a registered hazardous waste disposal site.</li> <li>• Replenish the PPE, booms, and absorbents used to clean up the spill. This step should be accomplished as soon as possible to prevent a situation where you are unable to respond to a spill due to lack of spill response materials.</li> </ul>
4.	Will the subproject lead to an increase in	X	—	—	—	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	suspended sediments in streams affected by road cut erosion, decline in water quality and increased sedimentation downstream?					
5.	Will the subproject involve the use of chemicals or solvents?	X	–	–	–	
6.	Will the subproject lead to the destruction of vegetation and soil in the right-of-way, borrow pits, waste dumps, and equipment yards?	X	–	–	–	
7.	Will the subproject lead to the creation of stagnant water bodies in borrow pits, quarries, etc., encouraging for mosquito breeding and other disease vectors?	X	–	–	–	
<b>D</b>	<b>Noise and Air Pollution Hazardous Substances</b>	–				
1.	Will the subproject increase the levels of harmful air emissions?	–	X	–	–	<p>Due to movement of rescue vehicles dust can be generated. Similarly, during use of generator the emission can contribute to the air pollution in the area.</p> <p>The following mitigation measures will be adopted:</p> <ul style="list-style-type: none"> <li>• The generator shall be periodically checked for air pollution monitoring during implementation and post implementation. This shall be checked during monitoring activities during the project execution and post implementation.</li> <li>• To contain dust water sprinkling at</li> </ul>



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						least 3 times a day. • The contractor shall purchase such items keeping in view the National Environmental Quality Standards and will be monitor by the project.
2.	Will the subproject increase ambient noise levels?	X		–	–	
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	–	–	–	No, however the storage, handling and transportation of such substance (if any) shall be carried by trained personnel of Rescue 1122. The project will monitor this during implementation period.
<b>E</b>	<b>Fauna and Flora</b>					
1.	Will the subproject involve the disturbance or modification of existing drainage channels (rivers, canals) or surface water bodies (wetlands, marshes)?	X	–	–	–	
2.	Will the subproject lead to the destruction or damage of terrestrial or aquatic ecosystems or endangered species directly or by induced development?	X	–	–	–	
3.	Will the subproject lead to the disruption/destruction of wildlife through interruption of migratory routes.	X	–	–	–	
4.	Disturbance of wildlife habitats, and noise-related problems?	X	–	–	–	
<b>F</b>	<b>Destruction/Disruption of Land and Vegetation</b>					
1.	Will the subproject lead to unplanned use of	X	–	–	–	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	the infrastructure being developed?					
2.	Will the subproject lead to long-term or semi-permanent destruction of soils in cleared areas not suited for agriculture?	X	–	–	–	
3.	Will the subproject lead to the interruption of subsoil and overland drainage patterns (in areas of cuts and fills)?	X	–	–	–	
4.	Will the subproject lead to landslides, slumps, slips and other mass movements in road cuts?	X	–	–	–	
5.	Will the subproject lead to erosion of lands receiving concentrated outflow carried by covered or open drains?	X	–	–	–	
6.	Will the subproject lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	X	–	–	–	
<b>G</b>	<b>Cultural Property</b>					
1.	Will the subproject have an impact on archaeological or historical sites, including historic urban areas?	X	–	–	–	
2.	Will the subproject have an impact on religious monuments, structures and/or cemeteries?	X	–	–	–	
<b>H</b>	<b>Expropriation and Social Disturbance</b>					
1.	Will the subproject involve land expropriation or demolition of existing structures?	X	–	–	–	
2.	Will the subproject lead to induced settlements by workers and others causing social and	X	–	–	–	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	economic disruption?					
3.	Will the subproject lead to environmental and social disturbance by construction camps?	X	–	–	–	
4.	Will the sub- project require of tree cutting, if yes how many, location, pictures	X	–	–	–	
5.	The subproject lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	–	X	–	–	<p>a. Regular sprinkling of water on ground to avoid dust.</p> <p>b. The adjacent plant shall do watering during construction of foundation work by contractor.</p>



**Environmental and Social Screening (Site Related Issues)**

S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
1.	Does the subproject require land acquisition? [Note: Fill in the land acquisition form if YES]	–	X	–	The land is owned by GDA.
2.	Does the subproject negatively impact livelihoods [Note: Describe separately if YES]	–	X	–	
3.	Is the sub project located on land with contested ownership?	–	X	–	
4.	Is the sub project located in an area with security problems	–	X	–	
5.	Is the sub projected located on land reclaimed from floods (the ownership here may be contested)	–	X	–	
6.	Is the subproject located in an area with designated natural reserves?	–	X	–	
7.	Is the subproject located in an area with unique natural features?	–	X	–	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
8.	Is the subproject located in an area with endangered or conservation-worthy ecosystems, fauna or flora?	-	X	-	
9.	Is the subproject located in an area which would create a barrier for the movement of conservation-worthy wildlife or livestock?	-	X	-	
10.	Is the subproject located close to groundwater sources, surface water bodies, water courses or wetlands?	-	X	-	
11.	Is the subproject located in an area with designated cultural properties such as archaeological, historical and/or religious sites?	-	X	-	
12.	Is the subproject in an area with religious monuments, structures and/or cemeteries?	-	X	-	
13.	Is the project located in an area	-	X	-	





S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
	from where people have been displaced?				
14.	Is the project located in an area where IDPs are temporarily settled?	-	X	-	
15.	Is the project in a politically sensitive area?	-	X	-	
16.	Is the subproject in a polluted or contaminated area?	-	X	-	
17.	Is the subproject located in an area of high visual and landscape quality?	-	X	-	
18.	Is the subproject located in an area susceptible to landslides or erosion?	-	X	-	
19.	Is the subproject located in a densely populated area?	-	X	-	
20.	Is the subproject located on prime agricultural land?	-	X	-	
21.	Is the subproject located in an area of tourist importance?	X	-	-	It is a natural landscape with lush green mountain and tall trees. There is a national Park



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
					Ayubia is a tourist attraction site in Galiyat area.
22.	Is the subproject located near a waste dump?	-	X	-	
23.	Does the subproject have access to potable water?	X	-	-	Government water supply line is available on site.
24.	Is the subproject located in an area with a wastewater network?	-	X	-	
25.	Is the subproject located in the urban plan of the city?	-	X	-	

**Environmental and Social Screening (Involuntary Resettlement Screening)**

Potential Impacts	Yes	No	Expected	Remarks
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Potential Impacts	Yes	No	Expected	Remarks
Does the sub-project involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in “remarks” column.	X	-	-	Small scale activities e.g., septic tank, soakage pit, leveling and dressing is involved. All works will take place on GDA land.
Does the sub-project involve impacts on land, assets and people, if “Yes” try to quantify the impacts and check following items. If “No” impacts, explain the situation in “remarks” and move to section 2.	-	X	-	
<b>Potential impacts</b>				
<b>Land</b> (quantify and describe types of land in “remarks column”.	X	-	-	The subproject will be carried out on GDA land.
Government or state-owned land free of occupation (agriculture or settlement)	X	-	-	The subproject will be carried out on GDA land.
Private land				
➤ Residential	-	X	-	
➤ Commercial	-	X	-	
➤ Agriculture	-	X	-	
➤ Communal	-	X X X	-	
➤ Others (specify in “remarks”).	-	X X X	-	
<b>Land-based assets:</b>	-	X	-	
➤ Residential structures	-	X	-	



Potential Impacts	Yes	No	Expected	Remarks
➤ Commercial structures (specify in “remarks”)	-	X	-	
➤ Community structures (specify in “remarks”)	-	X	-	
➤ Agriculture structures (specify in “remarks”)	-	X	-	
➤ Public utilities (specify in “remarks”)	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Agriculture related impacts</b>	-	X	-	
➤ Crops and vegetables (specify types and cropping area in “remarks”).	-	X	-	
➤ Trees (specify number and types in “remarks”).	-	X	-	
➤ Others (specify in “remarks”).	-	X	-	
<b>Affected Persons (DPs)</b>	-	X	-	
➤ Number of DPs	-	X	-	
➤ Males	-	X	-	
➤ Females	-	X	-	
➤ Titled land owners	-	X	-	
➤ Tenants and sharecroppers	-	X	-	
➤ Leaseholders	-	X	-	
➤ Agriculture wage laborers	-	X	-	
➤ Encroachers and squatters (specify in remarks column).	-	X	-	
➤ Vulnerable DPs (e.g. women headed households, minors and aged, orphans, disabled persons and those below the poverty line). Specify the number and vulnerability in “remarks”.	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Section 2</b>	-	X	-	



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**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

Potential Impacts	Yes	No	Expected	Remarks
Others (specify in “remarks”)	-	X	-	
<ul style="list-style-type: none"> <li>➤ Are there any indigenous or other minority groups?</li> <li>➤ affected by land acquisition or project activities? If</li> <li>➤ “Yes” check the following items</li> </ul>	-	X	-	
<ul style="list-style-type: none"> <li>➤ Indigenous groups (specify groups in “remarks”).</li> <li>➤ Describe nature of impacts</li> </ul>	-	X	-	
<ul style="list-style-type: none"> <li>➤ Minority groups (specify in “remarks”). Describe nature of impacts</li> </ul>	-	X	-	



**Summarized E&S**

**Screening Table**

<b>Activities</b>		<b>Category</b>
<b>Physical</b>	Soil Erosion/ Contamination	B
	Air Quality	B
	Surface Water Quality	B
	Groundwater Quality	B
	Water Availability and Consumption	B
<b>Biological</b>	Natural Vegetation	C
	Wildlife	C
<b>Social</b>	Blocked Access Routes	C
	Noise and Vibration	B
	Impacts on Agriculture	C
	Impacts on Irrigation Network	C
	Livestock Grazing	C
	Compensation Issues	C
	Safety Hazard	B
	Infrastructure Utilities	B
	Public Health	B



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**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

	Aesthetic Value	B
	Cultural Issues	C
	Gender Issues	C

**KEY:** A for high risk, B for medium risk, and C for negligible risk.



<b>Overall Assessment</b>	
o Sub-project is declined	—
o Sub-project is accepted	Yes
o Sub-project is classified as environmental Category A and requires an in- depth Environmental and Social Impact Assessment and an Environmental Management Plan.	—
o Sub-project is classified as environmental Category B and requires an Environmental Management Plan.	The sub-project impacts are localized and reversible in nature and can be managed through mitigation and management plan (checklist followed by supervision and monitoring checklist). This will be implemented by project engineer, contractor, and PMU Environmental and Social Safeguard team.
o Sub-project is classified as environmental Category C and does not require an Environmental Management Plan.	—





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KHYBER PAKHTUNKHWA  
**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
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Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

**Annexure- III**

**3. Establishment of Rescue 1122 Station Kumrat at District Dir Upper**

<b>Subproject Location</b>	Kumrat District Dir Upper
<b>Coordinates</b>	°33'00.7"N 72°12'32.0"E
<b>Estimated Cost</b>	Rs. 87.00 million



**Environmental and Social Screening**

S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
<b>A</b>	<b>Zoning and Land Use Planning</b>					
1.	Will the subproject affect land use zoning and planning or conflict with prevalent land use patterns?	X	-	-	-	Since this is govt. property therefore this activity will not affect any land use pattern.
2.	Will the subproject involve significant land disturbance or site clearance?	X	-	-	-	
3.	Will the subproject land be subject to potential encroachment by urban or industrial use or located in an area intended for urban or industrial development?	X	-	-	-	
<b>B</b>	<b>Utilities and Facilities</b>					
1.	Will the subproject require the setting up of ancillary facilities?	-	X	-	-	Wash Rooms & kitchen etc for Rescue teams are inbuilt in prefab structure.
2.	Will the subproject make significant demands on utilities and services?	-	X	-	-	This includes demand of water sewerage line and water supply line etc. As a mitigation measure following actions will be taken: a. The drinking water source will be tested for compliance to drinking water from reputable lab. b. Purchase of water bottles by Rescue



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						1122 for the staff if safe and clean drinking water source is not available for drinking.
3.	Will the subproject require significant levels of accommodation or service amenities to support the workforce during construction	X	-	-	-	
<b>C</b>	<b>Water and Soil Contamination</b>					
1.	Will the subproject require large amounts of raw materials or construction materials?	-	X	-	-	Minor civil work activities i.e., soak pits, septic tank, water tank for which it is proposed that skilled mason for construction activities may be hired.
2.	Will the subproject generate large amounts of residual wastes, construction material waste or cause soil erosion?	-	X	-	-	Small amount of construction materials, sands, crush, cement will be used as per requirement. As mitigation measure contractor will be advised to: <ul style="list-style-type: none"> <li>• Use asbestos free cement.</li> <li>• Do debagging in a closed compound with proper PPEs like respirators (N95 mask) and hand gloves etc. to avoid dust inhale and provide hand protection</li> <li>• Ensure proper respirator use and maintenance per manufacturer's instructions.</li> </ul>



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<ul style="list-style-type: none"> <li>• Ensure that only NIOSH-certified respirators are used and ones with the proper design for the application.</li> <li>• Ensure that the exposure does not involve contaminants that the respirator is not designed to protect from. i.e., gases, vapors, or very small particles that the respirator will not collect.</li> <li>• Keep track of the respirator to avoid using someone else's.</li> <li>• Construction waste will be disposed of properly in government approved/allocated waste disposal site.</li> <li>• Avoid piling of construction waste for extended periods of time. Frequent collection and disposal will be ensured.</li> </ul>
3.	Will the subproject result in potential soil or water contamination (e.g., from oil, grease and fuel from equipment yards)?	(X)_	X_	-	-	Fuel, oil or lubricants for vehicles on-site can contaminate the environment and adversely affect flora and fauna. Left unattended, oil spills percolate through the soil to the nearest water source, such as a sewer or river as well as ground water.



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<p>Mitigation measures are as follows:</p> <ul style="list-style-type: none"> <li>• Rescue workers will be provided training by E&amp;S Expert PMU as to how to deal with accidental leakages from vehicles.</li> <li>• Oil changing and refueling of vehicles will be strictly prohibited onsite.</li> <li>• Any such chemicals stored onsite will be enclosed in a safe and secure place with locks.</li> <li>• It will be placed on impermeable surface with raised edges to prevent its percolation as well as runoff.</li> <li>• 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>• 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>• 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> </ul>



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<ul style="list-style-type: none"> <li>Dispose of waste absorbent by placing it into sealed plastic bags and contact a licensed contractor to transport the bags to a registered hazardous waste disposal site.</li> <li>Replenish the PPE, booms, and absorbents used to clean up the spill. This step should be accomplished as soon as possible to prevent a situation where you are unable to respond to a spill due to lack of spill response materials.</li> </ul>
4.	Will the subproject lead to an increase in suspended sediments in streams affected by road cut erosion, decline in water quality and increased sedimentation downstream?	X	–	–	–	
5.	Will the subproject involve the use of chemicals or solvents?	X	–	–	–	
6.	Will the subproject lead to the destruction of vegetation and soil in the right-of-way, borrow pits, waste dumps, and equipment yards?	X	–	–	–	
7.	Will the subproject lead to the creation of stagnant water bodies in borrow pits, quarries, etc., encouraging for mosquito breeding and other disease vectors?	X	–	–	–	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
<b>D</b>	<b>Noise and Air Pollution Hazardous Substances</b>					
1.	Will the subproject increase the levels of harmful air emissions?	–	X	–	–	<p>Due to movement of rescue vehicles dust can be generated. Similarly, during use of generator the emission can contribute to the air pollution in the area.</p> <p>The following mitigation measures will be adopted:</p> <ul style="list-style-type: none"> <li>• The generator shall be periodically checked for air pollution monitoring during implementation and post implementation. This shall be checked during monitoring activities during the project execution and post implementation.</li> <li>• To contain dust water sprinkling at least 3 times a day.</li> <li>• The contractor shall purchase such items keeping in view the National Environmental Quality Standards and will be monitor by the project.</li> </ul>



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
2.	Will the subproject increase ambient noise levels?	X	–	–	–	
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	–	–	–	No, however the storage, handling and transportation of such substance (if any) shall be carried by trained personnel of Rescue 1122. The project will monitor this during implementation period.
<b>E</b>	<b>Fauna and Flora</b>					
1.	Will the subproject involve the disturbance or modification of existing drainage channels (rivers, canals) or surface water bodies (wetlands, marshes)?	X	–	–	–	
2.	Will the subproject lead to the destruction or damage of terrestrial or aquatic ecosystems or endangered species directly or by induced development?	X	–	–	–	
3.	Will the subproject lead to the disruption/destruction of wildlife through interruption of migratory routes,	X	–	–	–	
4.	Disturbance of wildlife habitats, and noise-related problems?	X	–	–	–	
<b>F</b>	<b>Destruction/Disruption of Land and Vegetation</b>					





S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
1.	Will the subproject lead to unplanned use of the infrastructure being developed?	X	–	–	–	
2.	Will the subproject lead to long-term or semi-permanent destruction of soils in cleared areas not suited for agriculture?	X	–	–	–	
3.	Will the subproject lead to the interruption of subsoil and overland drainage patterns (in areas of cuts and fills)?	X	–	–	–	
4.	Will the subproject lead to landslides, slumps, slips and other mass movements in road cuts?	X	–	–	–	
5.	Will the subproject lead to erosion of lands receiving concentrated outflow carried by covered or open drains?	X	–	–	–	
6.	Will the subproject lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	X	–	–	–	
<b>G</b>	<b>Cultural Property</b>					
1.	Will the subproject have an impact on archaeological or historical sites, including historic urban areas?	X	–	–	–	
2.	Will the subproject have an impact on religious monuments, structures and/or cemeteries?	X	–	–	–	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
<b>H</b>	<b>Expropriation and Social Disturbance</b>					
1.	Will the subproject involve land expropriation or demolition of existing structures?	X	–	–	–	
2.	Will the subproject lead to induced settlements by workers and others causing social and economic disruption?	X	–	–	–	
3.	Will the subproject lead to environmental and social disturbance by construction camps?	X	–	–	–	
4.	Will the sub- project require of tree cutting, if yes how many, location, pictures	X	–	–	–	
5.	The sub project lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	–	X	–	–	a. Regular sprinkling of water on ground to avoid dust. b. The adjacent plant shall do watering during construction of foundation work by contractor.



**Environmental and Social Screening (Site Related Issues)**

S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
1.	Does the subproject require land acquisition? [Note: Fill in the land acquisition form if YES]	–	X	–	The land is owned by Forest Department.
2.	Does the subproject negatively impact livelihoods [Note: Describe separately if YES]	–	X	–	
3.	Is the sub project located on land with contested ownership?	–	X	–	
4.	Is the sub project located in an area with security problems	–	X	–	
5.	Is the sub projected located on land reclaimed from floods (the ownership here may be contested)	–	X	–	
6.	Is the subproject located in an area with designated natural reserves?	–	X	–	
7.	Is the subproject located in an area with unique natural features?	–	X	–	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
8.	Is the subproject located in an area with endangered or conservation-worthy ecosystems, fauna or flora?	–	X	–	
9.	Is the subproject located in an area which would create a barrier for the movement of conservation-worthy wildlife or livestock?	–	X	–	
10.	Is the subproject located close to groundwater sources, surface water bodies, water courses or wetlands?	–	X	–	
11.	Is the subproject located in an area with designated cultural properties such as archaeological, historical and/or religious sites?	–	X	–	
12.	Is the subproject in an area with religious monuments, structures and/or cemeteries?	–	X	–	
13.	Is the project located in an area	–	X	–	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
	from where people have been displaced?				
14.	Is the project located in an area where IDPs are temporarily settled?	–	X	–	
15.	Is the project in a politically sensitive area?	–	X	–	
16.	Is the subproject in a polluted or contaminated area?	–	X	–	
17.	Is the subproject located in an area of high visual and landscape quality?	–	X	–	
18.	Is the subproject located in an area susceptible to landslides or erosion?	–	X	–	
19.	Is the subproject located in a densely populated area?	–	X	–	
20.	Is the subproject located on prime agricultural land?	–	X	–	
21.	Is the subproject located in an area of tourist importance?	X	–	–	Kumrat is a tourist attraction site in Dir Upper.



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
22.	Is the subproject located near a waste dump?	-	X	-	
23.	Does the subproject have access to potable water?	X	-	-	Government water supply line is available on site.
24.	Is the subproject located in an area with a wastewater network?	-	X	-	
25.	Is the subproject located in the urban plan of the city?	-	X	-	



**Environmental and Social Screening (Involuntary Resettlement Screening)**

Potential Impacts	Yes	No	Expected	Remarks
Does the sub-project involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in “remarks” column.	X	-	-	Small scale activities e.g., septic tank, soakage pit, leveling and dressing is involved. All works will take place on govt land.
Does the sub-project involve impacts on land, assets and people, if “Yes” try to quantify the impacts and check following items. If “No” impacts, explain the situation in “remarks” and move to section 2.	-	X	-	
<b>Potential impacts</b>				
<b>Land</b> (quantify and describe types of land in “remarks column”).	X	-	-	The subproject will be carried out on Forest Department.
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	The subproject will be carried out on Forest Department.
Private land				
➤ Residential	-	X	-	
➤ Commercial	-	X	-	
➤ Agriculture	-	X	-	
➤ Communal	-	X X X	-	
➤ Others (specify in “remarks”).	-	X X X	-	
<b>Land-based assets:</b>	-	X	-	
➤ Residential structures	-	X	-	
➤ Commercial structures (specify in “remarks”)	-	X	-	
➤ Community structures (specify in “remarks”)	-	X	-	



Potential Impacts	Yes	No	Expected	Remarks
➤ Agriculture structures (specify in “remarks”)	-	X	-	
➤ Public utilities (specify in “remarks”)	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Agriculture related impacts</b>	-	X	-	
➤ Crops and vegetables (specify types and cropping area in “remarks”).	-	X	-	
➤ Trees (specify number and types in “remarks”).	-	X	-	
➤ Others (specify in “remarks”).	-	X	-	
<b>Affected Persons (DPs)</b>	-	X	-	
➤ Number of DPs	-	X	-	
➤ Males	-	X	-	
➤ Females	-	X	-	
➤ Titled land owners	-	X	-	
➤ Tenants and sharecroppers	-	X	-	
➤ Leaseholders	-	X	-	
➤ Agriculture wage laborers	-	X	-	
➤ Encroachers and squatters (specify in remarks column).	-	X	-	
➤ Vulnerable DPs (e.g. women headed households, minors and aged, orphans, disabled persons and those below the poverty line). Specify the number and vulnerability in “remarks”.	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Section 2</b>	-	X	-	
Others (specify in “remarks”).	-	X	-	
➤ Are there any indigenous or other minority groups affected by land acquisition or project activities? If “Yes” check the following items	-	X	-	
➤ Indigenous groups (specify groups in “remarks”).	-	X	-	





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KHYBER PAKHTUNKHWA  
**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

Potential Impacts	Yes	No	Expected	Remarks
› Describe nature of impacts				
› Minority groups (specify in “remarks”). Describe nature of impacts	-	X	-	



**Summarized E&S Screening Table**

<b>Activities</b>		<b>Category</b>
<b>Physical</b>	Soil Erosion/ Contamination	B
	Air Quality	B
	Surface Water Quality	B
	Groundwater Quality	B
	Water Availability and Consumption	B
<b>Biological</b>	Natural Vegetation	C
	Wildlife	C
<b>Social</b>	Blocked Access Routes	C
	Noise and Vibration	B
	Impacts on Agriculture	C
	Impacts on Irrigation Network	C
	Livestock Grazing	C
	Compensation Issues	C
	Safety Hazard	B
	Infrastructure Utilities	B



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KHYBER PAKHTUNKHWA  
**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

	Public Health	B
	Aesthetic Value	B
	Cultural Issues	C
	Gender Issues	C

**KEY:** A for high risk, B for medium risk, and C for negligible risk.



<b>Overall Assessment</b>	
o Sub-project is declined	—
o Sub-project is accepted	Yes
o Sub-project is classified as environmental Category A and requires an in- depth Environmental and Social Impact Assessment and an Environmental Management Plan.	—
o Sub-project is classified as environmental Category B and requires an Environmental Management Plan.	The sub-project impacts are localized and reversible in nature and can be managed through mitigation and management plan (checklist followed by supervision and monitoring checklist). This will be implemented by project engineer, contractor, and PMU Environmental and Social Safeguard team.
o Sub-project is classified as environmental Category C and does not require an Environmental Management Plan.	—



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**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

**Annexure- IV**

**4. Establishment of Rescue 1122 Station at Kewai District Mansehra**

<b>Subproject Location</b>	RHC Kewai District Mansehra
<b>Coordinates</b>	34°37'59.5"N 73°26'38.3"E
<b>Estimated Cost</b>	Rs. 77.00 million



**Environmental and Social Screening**

S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
<b>A</b>	<b>Zoning and Land Use Planning</b>					
1.	Will the subproject affect land use zoning and planning or conflict with prevalent land use patterns?	X	–	–	–	Since this is govt. property therefore this activity will not affect any land use pattern.
2.	Will the subproject involve significant land disturbance or site clearance?	X	–	–	–	
3.	Will the subproject land be subject to potential encroachment by urban or industrial use or located in an area intended for urban or industrial development?	X	–	–	–	
<b>B</b>	<b>Utilities and Facilities</b>					
1.	Will the subproject require the setting up of ancillary facilities?	–	X	–	–	Wash Rooms & kitchen etc for Rescue teams are inbuilt in prefab structure.
2.	Will the subproject make significant demands on utilities and services?	–	X	–	–	This includes demand of water sewerage line and water supply line etc. As a mitigation measure following actions will



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						be taken: a. The drinking water source will be tested for compliance to drinking water from reputable lab. b. Purchase of water bottles by Rescue 1122 for the staff if safe and clean drinking water source is not available for drinking.
3.	Will the subproject require significant levels of accommodation or service amenities to support the workforce during construction	X	–	–	–	
<b>C</b>	<b>Water and Soil Contamination</b>					
1.	Will the subproject require large amounts of raw materials or construction materials?	–	X	–	–	Minor civil work activities i.e., soak pits, septic tank, water tank for which it is proposed that skilled mason for construction activities may be hired.
2.	Will the subproject generate large amounts of residual wastes, construction material waste or	–	X	–	–	Small amount of construction materials, sands, crush, cement will be used as per



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	cause soil erosion?					requirement. As mitigation measure contractor will be advised to: <ul style="list-style-type: none"> <li>• use asbestos free cement.</li> <li>• Do debagging in a closed compound.</li> </ul>
3.	Will the subproject result in potential soil or water contamination (e.g., from oil, grease and fuel from equipment yards)?	(X)_	X_	–	–	In case any leakage is found, then Rescue workers will be trained to immediately trap it in a container, and the residual shall be buried out at site. The burial site GPS coordinates will be recorded for monitoring during O&M activities.
4.	Will the subproject lead to an increase in suspended sediments in streams affected by road cut erosion, decline in water quality and increased sedimentation downstream?	X	–	–	–	
5.	Will the subproject involve the use of chemicals or solvents?	X	–	–	–	
6.	Will the subproject lead to the destruction of vegetation and soil in the right-of-way, borrow	X	–	–	–	





S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	pits, waste dumps, and equipment yards?					
7.	Will the subproject lead to the creation of stagnant water bodies in borrow pits, quarries, etc., encouraging for mosquito breeding and other disease vectors?	X	-	-	-	
<b>D</b>	<b>Noise and Air Pollution Hazardous Substances</b>					
1.	Will the subproject increase the levels of harmful air emissions?	-	X	-	-	<p>Due to movement of rescue vehicles dust can be generated. Similarly, during use of generator the emission can contribute to the air pollution in the area. The following mitigation measures will be adopted:</p> <ul style="list-style-type: none"> <li>The generator shall be periodically checked for air pollution monitoring during implementation and post implementation. This shall be checked during monitoring activities during the project execution and post</li> </ul>



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<p>implementation.</p> <ul style="list-style-type: none"> <li>To contain dust water sprinkling at least 3 times a day.</li> <li>The contractor shall purchase such items keeping in view the National Environmental Quality Standards and will be monitor by the project.</li> </ul>
2.	Will the subproject increase ambient noise levels?	X		–	–	
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	–	–	–	No, however the storage, handling and transportation of such substance (if any) shall be carried by trained personnel of Rescue 1122. The project will monitor this during implementation period.
<b>E</b>	<b>Fauna and Flora</b>					
1.	Will the subproject involve the disturbance or modification of existing drainage channels	X	–	–	–	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	(rivers, canals) or surface water bodies (wetlands, marshes)?					
2.	Will the subproject lead to the destruction or damage of terrestrial or aquatic ecosystems or endangered species directly or by induced development?	X	-	-	-	
3.	Will the subproject lead to the disruption/destruction of wildlife through interruption of migratory routes,	X	-	-	-	
4.	Disturbance of wildlife habitats, and noise-related problems?	X	-	-	-	
<b>F</b>	<b>Destruction/Disruption of Land and Vegetation</b>					
1.	Will the subproject lead to unplanned use of the infrastructure being developed?	X	-	-	-	
2.	Will the subproject lead to long-term or semi-permanent destruction of soils in cleared areas not suited for agriculture?	X	-	-	-	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
3.	Will the subproject lead to the interruption of subsoil and overland drainage patterns (in areas of cuts and fills)?	X	-	-	-	
4.	Will the subproject lead to landslides, slumps, slips and other mass movements in road cuts?	X	-	-	-	
5.	Will the subproject lead to erosion of lands receiving concentrated outflow carried by covered or open drains?	X	-	-	-	
6.	Will the subproject lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	X	-	-	-	
<b>G</b>	<b>Cultural Property</b>					
1.	Will the subproject have an impact on archaeological or historical sites, including historic urban areas?	X	-	-	-	
2.	Will the subproject have an impact on religious monuments, structures and/or cemeteries?	X	-	-	-	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
<b>H</b>	<b>Expropriation and Social Disturbance</b>					
1.	Will the subproject involve land expropriation or demolition of existing structures?	X	-	-	-	
2.	Will the subproject lead to induced settlements by workers and others causing social and economic disruption?	X	-	-	-	
3.	Will the subproject lead to environmental and social disturbance by construction camps?	X	-	-	-	
4.	Will the sub- project require of tree cutting, if yes how many, location, pictures	X	-	-	-	
5.	The sub project lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	-	X	-	-	a. Regular sprinkling of water on ground to avoid dust. The adjacent plant shall do watering during construction of foundation work by contractor.



**Environmental and Social Screening (Site Related Issues)**

S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
1.	Does the subproject require land acquisition? [Note: Fill in the land acquisition form if YES]	–	X	–	The land is owned by Health Department.
2.	Does the subproject negatively impact livelihoods [Note: Describe separately if YES]	–	X	–	
3.	Is the sub project located on land with contested ownership?	–	X	–	
4.	Is the sub project located in an area with security problems	–	X	–	
5.	Is the sub projected located on land reclaimed from floods (the ownership here may be contested)	–	X	–	
6.	Is the subproject located in an area with designated natural reserves?	–	X	–	
7.	Is the subproject located in an area with unique natural features?	–	X	–	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
8.	Is the subproject located in an area with endangered or conservation-worthy ecosystems, fauna or flora?	-	X	-	
9.	Is the subproject located in an area which would create a barrier for the movement of conservation-worthy wildlife or livestock?	-	X	-	
10.	Is the subproject located close to groundwater sources, surface water bodies, water courses or wetlands?	-	X	-	
11.	Is the subproject located in an area with designated cultural properties such as archaeological, historical and/or religious sites?	-	X	-	
12.	Is the subproject in an area with religious monuments, structures and/or cemeteries?	-	X	-	
13.	Is the project located in an area	-	X	-	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
	from where people have been displaced?				
14.	Is the project located in an area where IDPs are temporarily settled?	–	X	–	
15.	Is the project in a politically sensitive area?	–	X	–	
16	Is the subproject in a polluted or contaminated area?	–	X	–	
17.	Is the subproject located in an area of high visual and landscape quality?	–	X	–	
18.	Is the subproject located in an area susceptible to landslides or erosion?	–	X	–	
19.	Is the subproject located in a densely populated area?	–	X	–	
20.	Is the subproject located on prime agricultural land?	–	X	–	
21.	Is the subproject located in an area of tourist importance?	X	–	–	Kewai is a tourist attraction site in District Mansehra





S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
22.	Is the subproject located near a waste dump?	-	X	-	
23.	Does the subproject have access to potable water?	X	-	-	Government water supply line is available on site.
24.	Is the subproject located in an area with a wastewater network?	-	X	-	
25.	Is the subproject located in the urban plan of the city?	-	X	-	

**Environmental and Social Screening (Involuntary Resettlement Screening)**

Potential Impacts	Yes	No	Expected	Remarks
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Potential Impacts	Yes	No	Expected	Remarks
Does the sub-project involve any physical construction work, i.e. rehabilitation, reconstruction or new construction? Specify in “remarks” column.	X	-	-	Small scale activities e.g., septic tank, soakage pit, leveling and dressing is involved. All works will take place on govt land.
Does the sub-project involve impacts on land, assets and people, if “Yes” try to quantify the impacts and check following items. If “No” impacts, explain the situation in “remarks” and move to section 2.	-	X	-	
<b>Potential impacts</b>				
<b>Land</b> (quantify and describe types of land in “remarks column”.	X	-	-	The subproject will be carried out on Health Department Land.
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	The subproject will be carried out on Health Department Land.
Private land				
➤ Residential	-	X	-	
➤ Commercial	-	X	-	
➤ Agriculture	-	X	-	



Potential Impacts	Yes	No	Expected	Remarks
➤ Communal	-	X	-	
➤ Others (specify in “remarks”).	-	X	-	
<b>Land-based assets:</b>	-	X	-	
➤ Residential structures	-	X	-	
➤ Commercial structures (specify in “remarks”)	-	X	-	
➤ Community structures (specify in “remarks”)	-	X	-	
➤ Agriculture structures (specify in “remarks”)	-	X	-	
➤ Public utilities (specify in “remarks”)	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Agriculture related impacts</b>	-	X	-	
➤ Crops and vegetables (specify types and cropping area in “remarks”).	-	X	-	
➤ Trees (specify number and types in “remarks”).	-	X	-	
➤ Others (specify in “remarks”).	-	X	-	
<b>Affected Persons (DPs)</b>	-	X	-	
➤ Number of DPs	-	X	-	
➤ Males	-	X	-	
➤ Females	-	X	-	
➤ Titled land owners	-	X	-	
➤ Tenants and sharecroppers	-	X	-	
➤ Leaseholders	-	X	-	
➤ Agriculture wage laborers	-	X	-	
➤ Encroachers and squatters (specify in remarks column).	-	X	-	
➤ Vulnerable DPs (e.g. women headed households, minors and	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Section 2</b>	-	X	-	



GOVERNMENT  
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PAKHTUNKHWA

KHYBER PAKHTUNKHWA  
**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

Potential Impacts	Yes	No	Expected	Remarks
Others (specify in “remarks”).	-	X	-	
➤ Are there any indigenous or other minority groups	-	X	-	
➤ Indigenous groups (specify groups in “remarks”).	-	X	-	
➤ Minority groups (specify in “remarks”). Describe nature of impacts	-	X	-	



**Summarized E&S Screening Table**

	<b>Activities</b>	<b>Category</b>
<b>Physical</b>	Soil Erosion/ Contamination	B
	Air Quality	B
	Surface Water Quality	B
	Groundwater Quality	B
	Water Availability and Consumption	B
<b>Biological</b>	Natural Vegetation	C
	Wildlife	C
<b>Social</b>	Blocked Access Routes	C
	Noise and Vibration	B
	Impacts on Agriculture	C
	Impacts on Irrigation Network	C
	Livestock Grazing	C
	Compensation Issues	C
	Safety Hazard	B
	Infrastructure Utilities	B



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	Public Health	B
	Aesthetic Value	B
	Cultural Issues	C
	Gender Issues	C

**KEY:** A for high risk, B for medium risk, and C for negligible risk.



<b>Overall Assessment</b>	
o Sub-project is declined	—
o Sub-project is accepted	Yes
o Sub-project is classified as environmental Category A and requires an in- depth Environmental and Social Impact Assessment and an Environmental Management Plan.	—
o Sub-project is classified as environmental Category B and requires an Environmental Management Plan.	The sub-project impacts are localized and reversible in nature and can be managed through mitigation and management plan (checklist followed by supervision and monitoring checklist). This will be implemented by project engineer, contractor, and PMU Environmental and Social Safeguard team.
o Sub-project is classified as environmental Category C and does not require an Environmental Management Plan.	—



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Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

**Annexure- V**

**5. Establishment of Rescue 1122 Station at Bamburet, Kalash Lower Chitral**

<b>Subproject Location</b>	Bamburet, Kalash Valley District Lower Chitral
<b>Coordinates</b>	35°41'57.8"N 71°41'22.1"E
<b>Estimated Cost</b>	Rs. 77.00 million





**Environmental and Social Screening**

S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
<b>A</b>	<b>Zoning and Land Use Planning</b>					
1.	Will the subproject affect land use zoning and planning or conflict with prevalent land use patterns?	X	–	–	–	Since this is govt. property therefore this activity will not affect any land use pattern.
2.	Will the subproject involve significant land disturbance or site clearance?	X	–	–	–	
3.	Will the subproject land be subject to potential encroachment by urban or industrial use or located in an area intended for urban or industrial development?	X	–	–	–	
<b>B</b>	<b>Utilities and Facilities</b>					
1.	Will the subproject require the setting up of ancillary facilities?	–	X	–	–	Wash Rooms & kitchen etc for Rescue teams are inbuilt in prefab structure.
2.	Will the subproject make significant demands on utilities and services?	–	X	–	–	This includes demand of water sewerage line and water supply line etc. As a mitigation measure following actions will be taken: a. The drinking water source will be tested for compliance to drinking water from reputable lab. b. Purchase of water bottles by Rescue 1122 for the staff if safe and clean drinking water source is not available



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						for drinking.
3.	Will the subproject require significant levels of accommodation or service amenities to support the workforce during construction	X	-	-	-	
<b>C</b>	<b>Water and Soil Contamination</b>					
1.	Will the subproject require large amounts of raw materials or construction materials?	-	X	-	-	Minor civil work activities i.e., soak pits, septic tank, water tank for which it is proposed that skilled mason for construction activities may be hired.
2.	Will the subproject generate large amounts of residual wastes, construction material waste or cause soil erosion?	-	X	-	-	Small amount of construction materials, sands, crush, cement will be used as per requirement. As mitigation measure contractor will be advised to: <ul style="list-style-type: none"> <li>• Use asbestos free cement.</li> <li>• Do debagging in a closed compound.</li> </ul>
3.	Will the subproject result in potential soil or water contamination (e.g., from oil, grease and fuel from equipment yards)?	-	X	-	-	In case any leakage is found, then Rescue workers will be trained to immediately trap it in a container, and the residual shall be buried out at site. The burial site GPS coordinates will be recorded for monitoring during O&M activities.
4.	Will the subproject lead to an increase in suspended sediments in streams affected by road cut erosion, decline in water quality and increased sedimentation downstream?	X	-	-	-	



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
5.	Will the subproject involve the use of chemicals or solvents?	X	–	–	–	
6.	Will the subproject lead to the destruction of vegetation and soil in the right-of-way, borrow pits, waste dumps, and equipment yards?	X	–	–	–	
7.	Will the subproject lead to the creation of stagnant water bodies in borrow pits, quarries, etc., encouraging for mosquito breeding and other disease vectors?	X	–	–	–	
<b>D</b>	<b>Noise and Air Pollution Hazardous Substances</b>	–				
1.	Will the subproject increase the levels of harmful air emissions?	–	X	–	–	<p>Due to movement of rescue vehicles dust can be generated. Similarly, during use of generator the emission can contribute to the air pollution in the area.</p> <p>The following mitigation measures will be adopted:</p> <ul style="list-style-type: none"> <li>• The generator shall be periodically checked for air pollution monitoring during implementation and post implementation. This shall be checked during monitoring activities during the project execution and post implementation.</li> <li>• To contain dust water sprinkling at least 3 times a day.</li> <li>• The contractor shall purchase such</li> </ul>



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						items keeping in view the National Environmental Quality Standards and will be monitor by the project.
2.	Will the subproject increase ambient noise levels?	X		–	–	
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	–	–	–	No, however the storage, handling and transportation of such substance (if any) shall be carried by trained personnel of Rescue 1122. The project will monitor this during implementation period.
<b>E</b>	<b>Fauna and Flora</b>					
1.	Will the subproject involve the disturbance or modification of existing drainage channels (rivers, canals) or surface water bodies (wetlands, marshes)?	X	–	–	–	
2.	Will the subproject lead to the destruction or damage of terrestrial or aquatic ecosystems or endangered species directly or by induced development?	X	–	–	–	
3.	Will the subproject lead to the disruption/destruction of wildlife through interruption of migratory routes,	X	–	–	–	
4.	Disturbance of wildlife habitats, and noise-related problems?	X	–	–	–	
<b>F</b>	<b>Destruction/Disruption of Land and Vegetation</b>					



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
1	Will the subproject lead to unplanned use of the infrastructure being developed?	X	–	–	–	
2.	Will the subproject lead to long-term or semi-permanent destruction of soils in cleared areas not suited for agriculture?	X	–	–	–	
3.	Will the subproject lead to the interruption of subsoil and overland drainage patterns (in areas of cuts and fills)?	X	–	–	–	
4.	Will the subproject lead to landslides, slumps, slips and other mass movements in road cuts?	X	–	–	–	
5.	Will the subproject lead to erosion of lands receiving concentrated outflow carried by covered or open drains?	X	–	–	–	
6.	Will the subproject lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	X	–	–	–	
<b>G</b>	<b>Cultural Property</b>					
1.	Will the subproject have an impact on archaeological or historical sites, including historic urban areas?	X	–	–	–	
2.	Will the subproject have an impact on religious monuments, structures and/or cemeteries?	X	–	–	–	
<b>H</b>	<b>Expropriation and Social Disturbance</b>					



S/No	ISSUES	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
1.	Will the subproject involve land expropriation or demolition of existing structures?	X	–	–	–	
2.	Will the subproject lead to induced settlements by workers and others causing social and economic disruption?	X	–	–	–	
3.	Will the subproject lead to environmental and social disturbance by construction camps?	X	–	–	–	
4.	Will the sub- project require of tree cutting, if yes how many, location, pictures	X	–	–	–	



**Environmental and Social Screening (Site Related Issues)**

S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
1.	Does the subproject require land acquisition? [Note: Fill in the land acquisition form if YES]	–	X	–	The site is old Rest House owned by Tourism Department/ CTA
2.	Does the subproject negatively impact livelihoods [Note: Describe separately if YES]	–	X	–	
3.	Is the sub project located on land with contested ownership?	–	X	–	
4.	Is the sub project located in an area with security problems	–	X	–	
5.	Is the sub projected located on land reclaimed from floods (the ownership here may be contested)	–	X	–	
6.	Is the subproject located in an area with designated natural reserves?	–	X	–	
7.	Is the subproject located in an area with unique natural features?	–	X	–	
8.	Is the subproject located in an area with endangered or conservation-worthy ecosystems, fauna or flora?	–	X	–	
9.	Is the subproject located in an area which would create a barrier for the movement of conservation-worthy wildlife or livestock?	–	X	–	
10.	Is the subproject located close	–	X	–	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
	to groundwater sources, surface water bodies, water courses or wetlands?				
11.	Is the subproject located in an area with designated cultural properties such as archaeological, historical and/or religious sites?	X	-	-	Bamburet is one of 3 Kalash Valleys which are home to indigenous Kalash tribe.
12.	Is the subproject in an area with religious monuments, structures and/or cemeteries?	-	X	-	The site is far away from Kalash community sacred sites.
13.	Is the project located in an area from where people have been displaced?	-	X	-	
14.	Is the project located in an area where IDPs are temporarily settled?	-	X	-	
15.	Is the project in a politically sensitive area?	-	X	-	
16.	Is the subproject in a polluted or contaminated area?	-	X	-	
17.	Is the subproject located in an area of high visual and landscape quality?	-	X	-	
18.	Is the subproject located in an area susceptible to landslides or erosion?	-	X	-	
19.	Is the subproject located in a densely populated area?	-	X	-	
20.	Is the subproject located on prime agricultural land?	-	X	-	





S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
21.	Is the subproject located in an area of tourist importance?	X	-	-	Kalash valleys are renowned tourist sites in Chitral. Every year a large number of tourist visit these valleys to see and participate in Kalash annual festivals.
22.	Is the subproject located near a waste dump?	-	X	-	
23.	Does the subproject have access to potable water?	X	-	-	Government water supply line is available on site.
24.	Is the subproject located in an area with a wastewater network?	-	X	-	
25.	Is the subproject located in the urban plan of the city?	-	X	-	



**Environmental and Social Screening (Involuntary Resettlement Screening)**

Potential Impacts	Yes	No	Expected	Remarks
Does the sub-project involve any physical construction work i.e., rehabilitation, reconstruction or new construction? Specify in “remarks” column.	X	-	-	Small scale activities e.g., septic tank, soakage pit, leveling and dressing is involved. All works will be carried out on land owned by DoT/KP CTA
Does the sub-project involve impacts on land, assets and people, if “Yes” try to quantify the impacts and check following items. If “No” impacts, explain the situation in “remarks” and move to section 2.	-	X	-	
<b>Potential impacts</b>				
<b>Land</b> (quantify and describe types of land in “remarks” column”.	X	-	-	The land is owned by DoT/KP CTA.
Government or state-owned land free of occupation (agriculture or settlement)	X	-	-	The proposed site is owned by DoT/CTA
Private land				
➤ Residential	-	X	-	
➤ Commercial	-	X	-	
➤ Agriculture	-	X	-	
➤ Communal	-	X	-	
➤ Others (specify in “remarks”).	-	X	-	
<b>Land-based assets:</b>	-	X	-	
➤ Residential structures	-	X	-	
➤ Commercial structures (specify in “remarks”)	-	X	-	
➤ Community structures (specify in “remarks”)	-	X	-	



Potential Impacts	Yes	No	Expected	Remarks
➤ Agriculture structures (specify in “remarks”)	-	X	-	
➤ Public utilities (specify in “remarks”)	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Agriculture related impacts</b>	-	X	-	
➤ Crops and vegetables (specify types and cropping area in “remarks”)	-	X	-	
➤ Trees (specify number and types in “remarks”)	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Affected Persons (DPs)</b>	-	X	-	
➤ Number of DPs	-	X	-	
➤ Males	-	X	-	
➤ Females	-	X	-	
➤ Titled land owners	-	X	-	
➤ Tenants and sharecroppers	-	X	-	
➤ Leaseholders	-	X	-	
➤ Agriculture wage laborers	-	X	-	
➤ Encroachers and squatters (specify in remarks column).	-	X	-	
➤ Vulnerable DPs (e.g., women headed households, minors and aged, orphans, disabled persons and those below the poverty line). Specify the number and vulnerability in “remarks”.	-	X	-	
➤ Others (specify in “remarks”)	-	X	-	
<b>Section 2</b>	-	X	-	
Others (specify in “remarks”)	-	X	-	
➤ Are there any indigenous or other minority group affected by land acquisition or project activities? If “Yes”	-	X	-	



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**INTEGRATED TOURISM  
DEVELOPMENT PROJECT (KITE)**  
PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

Potential Impacts	Yes	No	Expected	Remarks
check the following items				
➤ Indigenous groups (specify groups in “remarks”). Describe nature of impacts	-	X	-	
➤ Minority groups (specify in “remarks”). Describe nature of impacts	-	X	-	



**Summarized E&SScreening Table**

	<b>Activities</b>	<b>Category</b>
<b>Physical</b>	Soil Erosion/ Contamination	B
	Air Quality	B
	Surface Water Quality	B
	Groundwater Quality	B
	Water Availability and Consumption	B
<b>Biological</b>	Natural Vegetation	C
	Wildlife	C
<b>Social</b>	Blocked Access Routes	C
	Noise and Vibration	B
	Impacts on Agriculture	C
	Impacts on Irrigation Network	C
	Livestock Grazing	C
	Compensation Issues	C
	Safety Hazard	B
	Infrastructure Utilities	B



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DEVELOPMENT PROJECT (KITE)**  
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	Public Health	B
	Aesthetic Value	B
	Cultural Issues	C
	Gender Issues	C

**KEY:** A for high risk, B for medium risk, and C for negligible risk.



<b>Overall Assessment</b>	
o Sub-project is declined	—
o Sub-project is accepted	Yes
o Sub-project is classified as environmental Category A and requires an in- depth Environmental and Social Impact Assessment and an Environmental Management Plan.	—
o Sub-project is classified as environmental Category B and requires an Environmental Management Plan.	The sub-project impacts are localized and reversible in nature and can be managed through mitigation and management plan (checklist followed by supervision and monitoring checklist). This will be implemented by project engineer, contractor, and PMU Environmental and Social Safeguard team.
o Sub-project is classified as environmental Category C and does not require an Environmental Management Plan.	—



**Annex-VI Field Monitoring Form:**

<b>Title of project</b>	
<b>Contractor's Name</b>	
<b>Monitoring Date</b>	
<b>Monitor's Name &amp; Designation</b>	

<b>Activities</b>	<b>Mitigation Measures</b>	<b>Compliance/ Non-Compliance</b>	<b>Remarks</b>
<b>Air Quality</b>	Stockpiled materials will be covered to avoid dust/particulate emission.		
	Contractor shall cover loose material when transported by vehicles.		
	All vehicles used during construction activities should be kept in good working condition and be properly tuned and maintained to minimize exhaust emissions.		
	The generator shall be periodically checked for air pollution		
	To contain dust water sprinkling at least 2 times a day.		
<b>Surface Water Quality &amp; Soil Contamination</b>	Rescue workers will be provided training by ES PMU as to how to deal with accidental leakages from vehicles		





Oil changing and refueling of vehicles will be strictly prohibited onsite.		
Any such chemicals stored onsite will be enclosed in a safe and secure place.		
If leakage/spill is detected, the spill should be contained by up righting the container, or otherwise stopping the source of the spill.		
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.		
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.		
Stock can be covered by plastic sheet.		
Dispose any wastes generated by construction activities in designated sites.		
Contractor to use asbestos free cement.		
Debagging will be done in closed compound.		



<b>Water Supply</b>	Govt./ water supply resources will be used.		
<b>Washroom and Sewerage system provision for construction workers</b>	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.		
	Container designs to include septic tank and soak pit.		
	Disposal system of washroom for construction workers should be ensured.		
	Water supply for workers washrooms may be ensured.		
<b>Noise Levels</b>	Ear plugs shall be provided to the workers.		
<b>Solid Waste Disposal</b>	Construction waste will be disposed of properly in government approved/allocated waste disposal site		
	Avoid piling of construction waste for extended periods of time. Frequent collection and disposal will be ensured.		
	No waste will be dumped at any location outside the proposed site boundary or within the locality		
	Removal of excess matter/ debris from the site immediately.		



	Surplus construction materials including partially filled chemical and paint containers will be returned to suppliers		
	Use of PPEs (protective gloves, face masks, protective boots) by the workers involved in handling and management of all kinds of waste.		
<b>Occupational Health and Safety</b>	Provision of first aid facilities for workers at site for meeting the emergency needs of workers		
	Avoid stagnation of water from domestic use or material preparation by aeration methods or initiate drainage/cleanup of stagnant water by using pumps		
	Use of Personal Protective Equipment (PPE) by workers including goggles and masks to avoid inhalation of dust.		
	Regular sprinkling of water on ground to avoid dust.		
	The adjacent plants shall be watered during construction of foundation work by contractor		
	Emergency contact numbers will be displayed		
<b>Excavation of Earth</b>	Contractor will do compaction of site in order to protect erosion during rains.		
<b>Grievance Redressal</b>	Maintain a complaint register on site.		



	Identify and appropriately respond to impacts on directly affected persons to ensure legal compliance and meet moral / ethical obligations.		
	Distribute GRM awareness leaflets to the local residents.		
<b>Covid SOPs</b>	Covid SOPs will be strictly adhered to during work. Contractor to provide PPEs, hand sanitizers etc to workers.		
<b>Training</b>	<ul style="list-style-type: none"> <li>• Trainings on Implementation of EMP</li> <li>• Training on Appropriate personal protective equipment (PPE) and First Aid</li> </ul>		

**Photo documentation of Issue Identified Above**

<b>Issue # (from description above)</b>	<b>Date of photograph</b>	<b>Photograph depicting issue</b>



### **Annex-VII: Archaeological Chance Find Procedures:**

Chance find procedures will be used as follows:

- a. Stop the construction activities in the area of the chance find.
- b. Delineate the discovered site or area.
- c. Secure the site to prevent any damage or loss of removable objects. In cases of removable antiquities or sensitive remains, a night guard shall be present until the responsible local authorities take over.
- d. Directorate of Archeology and Museum shall be responsible for significant movable and immovable cultural property that pertains to history.
- e. Notify the supervisory Engineer of KITE PMU who in turn will notify the responsible local authorities/or Directorate of Archeology and Museum Khyber Pakhtunkhwa, Peshawar (Tel # 091-9211194).
- f. Ensure that decisions on how to handle the finding be taken by the responsible authorities/ Directorate of Archeology and Museum KP.
- g. The management of the finding shall be communicated in writing to Directorate of archeology and museum.
- h. Construction work will resume only after authorization is given by Directorate of Archeology and Museum KP.
- i. Site Engineer shall monitor the above regulations relating to the treatment of any chance find encountered are observed. Relevant findings will be recorded Monitoring and Report to the World Bank.



## Annexure- VIII

### COVID-19 SOPs

#### KITE PMU DoT COVID-19 SOPs for Contractors during Construction (COVID-19 Pandemic and Health Safety Measures)

**General Introduction:** Given the unprecedented nature of the COVID-19 pandemic, contractors are required to take all necessary precautions to maintain the health and safety of workers and nearby communities of the project site and to ensure suitable arrangements regarding hygiene requirements are in place.

The risk of exposure to COVID-19 at the construction site depends on the likelihood of coming within 1 meter of others, in having frequent physical contact with people who may be infected with COVID-19, and through contact with contaminated surfaces and objects.

The Contractor, with support from a relevant medical professional or Occupational Health & Safety (OHS) Advisor, should carry out rapid risk assessments to determine the possibility of exposure risk in order to put in place preventive measures. This should be done for each specific work setting and each job.

Employers and managers, in consultation with workers, should carry out and regularly update the risk assessment for work-related exposure to COVID-19, preferably with the support of occupational health services.

Any suspension or downscaling or resumption of activities should rely on the risk assessment, the capacity to put in place protective measures and the level of compliance, and recommendations of national authorities.

Measures to prevent transmission of COVID-19 that apply to all workplaces and all people at the workplace include frequent hand-washing or disinfection with alcohol-based hand sanitizer, respiratory hygiene such as covering coughs, physical distancing of at least 1 meter or more according to the national recommendations, wearing of masks where distancing is not possible, regular environmental cleaning and disinfection, and limiting unnecessary travel. Clear policies and messages, training, and education for staff and managers to increase awareness of COVID-19 are essential. The management of people with COVID-19 or their contacts is also critical e.g. requiring workers who are unwell or who develop symptoms to stay at home, self-isolate and



contact a medical professional or the local COVID-19 information line for advice on testing and referral.

Employers, workers, and their organizations should collaborate with health authorities to prevent and control COVID-19. Cooperation between management and workers and their representatives is essential for workplace-related prevention measures. International labor standards on the rights and responsibilities of workers and employers in occupational safety and health should be fully respected.

Contractors, in consultation with workers and their representatives, should plan and implement measures to prevent and mitigate COVID-19 at the workplace through administrative controls, and provide personal protective equipment and clothing according to the risk assessment. Such measures should not involve any expenditure on the part of the workers.

Special measures are needed to protect workers at higher risk of developing severe disease, such as those age 60 and over, or with underlying medical conditions, upon recommendation of the occupational health services. Workers in the informal economy and digital labor platforms, those in small enterprises, domestic and migrant workers should not be left behind in the protection of their health and safety at work place.

There should be no social stigma or discrimination at the workplace for any reason, including access to information and protection from COVID-19, occupational health services and mental health and psychosocial support.

If COVID-19 is contracted through occupational exposure, it could be considered an occupational disease and, if so determined, should be reported and compensated according to the international labor standards and the national schemes for employment injury benefits.

There should be fresh, clean air in all workplaces. For jobs and work tasks at medium or high risk of exposure, WHO recommends an increased ventilation rate through natural aeration or artificial ventilation, preferably without re-circulation of the air. In case of air recirculation, filters should be cleaned regularly.

COVID-19 is associated with a range of concerns, such as fear of falling ill and dying, of being socially excluded, placed in quarantine, or losing a livelihood. Symptoms of anxiety and depression are common reactions for people in the context of COVID-19. Mental health and



psychosocial support should be made available to all workers. Comprehensive risk assessments can help identify and mitigate related occupational hazards for mental health

Following are the measures that should be implemented at the entire construction sites by the Contractor to avoid the spread of Covid-19:

Activities	Adaptive Measures
<b>Pre- Execution Phase</b>	
<b>A . Profile preparation</b>	<ul style="list-style-type: none"> <li>➤ Detail profile of project workforce</li> <li>➤ Enlist the names, addresses and contact #</li> <li>➤ Breakdown of the workforce (workers from local community and those who have on site accommodation)</li> <li>➤ Assigning the task against each person</li> <li>➤ Schedule the key activities and their duration at site.</li> <li>➤ Identifying all workers who are initially at more risk of contracting Covid-19</li> </ul>
<b>B. Initial Screening C. Identification of Local Medical Services</b>	<ul style="list-style-type: none"> <li>➤ All enlisted workforce should go through initial screening process</li> <li>➤ Record keeping against initial screening</li> <li>➤ Identifying all workers who are initially at more risk of contracting Covid-19.</li> <li>➤ An emergency desk will be established at the construction site. A focal point will be designated by contractor for this purpose. The KITE PMU DoT will facilitate. The responsibility of the focal point will to highlight the nearby health services units, and also collect data for the nearby tertiary hospitals. For this purpose, the contractor will develop a referral mechanism, if the patient needs tertiary hospital medication, an ambulance will be in place, so as the patient shall move to the required destination on urgent basis for treatment.</li> </ul>
<b>During Execution Phase</b>	
<b>A. Preliminary Screening</b>	<p><b>1. Regular Screening:</b> Regular screening by using Thermo gun on daily basis before starting civil work at site Checking and recording temperatures of all workers</p>





	<p>entering the site or requiring self-reporting prior to or on entering the site.</p> <p>If a worker has symptoms of COVID-19 (e.g. fever, dry cough, fatigue) the worker should be removed immediately from work activities and isolated on designated site.</p> <p>Co-workers (i.e. workers with whom the sick worker was in close contact) should be required to stop work, and to quarantine themselves for 14 days, even if they have no symptoms.</p> <p><b>2. Sequential Screening:</b></p> <p>Concerned DHQ medical staff is requested for screening at regular intervals. List should also be shared with DHQ for avoiding future inconvenience or hire health safety officer on weekly basis.</p>
<p><b>B. Special Arrangements regarding PPEs</b></p>	<p>Ensuring availability of hand washing facilities (sanitizers/soaps) at site</p> <p>Presence of closed waste bins at key places throughout site, including at entrances/exits to work areas (toilet, canteen or food distribution, or provision of drinking water; in worker accommodation; at waste stations; at stores; and in common spaces).</p> <p>Special arrangements regarding PPEs and sanitation at site</p> <p>Record keeping of stock availability on daily basis</p>
<p><b>C. Restricted Movement/ Demobilization of staff</b></p>	<p>Encourage employees/ workers/ labor to wash their hands at least for 20 seconds with soap and stay at least one meter away from people who are coughing or sneezing.</p> <p>Breakdown of workers who reside at home (i.e. workers from the community), workers who lodge within the local community and workers in on-site accommodation. Workers accommodated on site should be required to minimize contact with people near the site, and in certain cases be prohibited from leaving the site for the duration of their contract, so that contact with local communities is avoided. Workers from local communities, who return home daily, weekly or monthly, will be more difficult to manage. They should be subject to health checks at entry</p>



	<p>to the site (as set out above) and at some point, circumstances may make it necessary to require them to either use accommodation on site or not to Come to work. All workers should be provided separate Accommodation. Limit the number of workers in small workspace areas such as job site elevators, trailers and vehicles, and spaces under construction if possible. Limit close contact with others by maintaining a distance of at least 6 feet, when possible. If a worker is found to have symptoms of COVID-19, the worker should be removed immediately from work activities and isolated on designated site.</p>
<p><b>D. Training sessions</b></p>	<p>Health and safety training for Contractor’s Personnel (which include project workers and all personnel that the Contractor uses on site, including staff and other employees of the Contractor and Subcontractors and any other personnel assisting the Contractor in Carrying out project activities. Sessions related to safety procedures, use of construction PPEs, occupational health and safety issues, and code of conduct specially privacy issues including social distancing. Arranging daily briefings with workforce, reminding workers to self-monitor for possible symptoms (fever, cough) and to report to their supervisor or the COVID-19 focal point if they have symptoms or are feeling unwell. Placing posters and sign boards around the site in local languages. Appointing one person on daily basis among the workforce who will serve as trainer for conducting awareness session and encouraging the rest to take preventive measures.</p>
<p><b>E. Operationalization of Grievance Redress Mechanism</b></p>	<p>Effective implementation of GRM at site Ensuring reporting of COVID-19 related cases to project GRM. In case of unavailability of the PPEs at site, grievance</p>



	<p>would be lodged directly at Project GRM.</p> <p>The KITE PMU C&amp;WD has developed Grievance Redressed Mechanism (GRM) for local communities which will also be addressed in the ESMP. The community will make a complaint to the PMU KITE C&amp;WD, the telephone number of PMU KITE C&amp;WD, address and methods of complaints (manually) by the community will be displayed on the notice Board of the contractor at the construction site.</p>
<b>F. Role of KITE PMU DoT.</b>	<p>KITE DoT PMU is required to arrange regular meetings with Contractors and workforce to monitor all procedural implementation of COVID-19 prevention related mechanism.</p> <p>Arrange meeting with concerned DHQs for immediate support and guidance in case of emergency.</p> <p>Conduct regular monitoring visits and assess site Compliance against a COVID-19 Screening Checklist</p>
<b>Post Execution Phase</b>	
<b>A. Post Screening</b>	<p>Screening should be done at the end of the day on daily basis, if a worker is found to have any symptoms of COVID-19, he should be immediately removed from work activities, quarantined at designated site and reported to concerned health department.</p>
<b>B. Cleaning and waste disposal</b>	<p>All waste (PPEs and sanitation related waste) shall be disposed of properly at designated sites.</p>
<b>Record Keeping</b>	
<b>A. Record Keeping by Contractor</b>	<p>A register shall be maintained by contractor to keep record of attendance and their health status on regular basis</p>
<b>B. Checking by KITE PMU DoT</b>	<p>KITE PMU DoT will appoint a focal point for each site, who will check the register, and performance of the implementation of this checklist and report promptly in case of identification of a COVID-19 infected worker. Occupational health and safety advisor will be ensured by contractor, and checked by KITE PMU DoT.</p>



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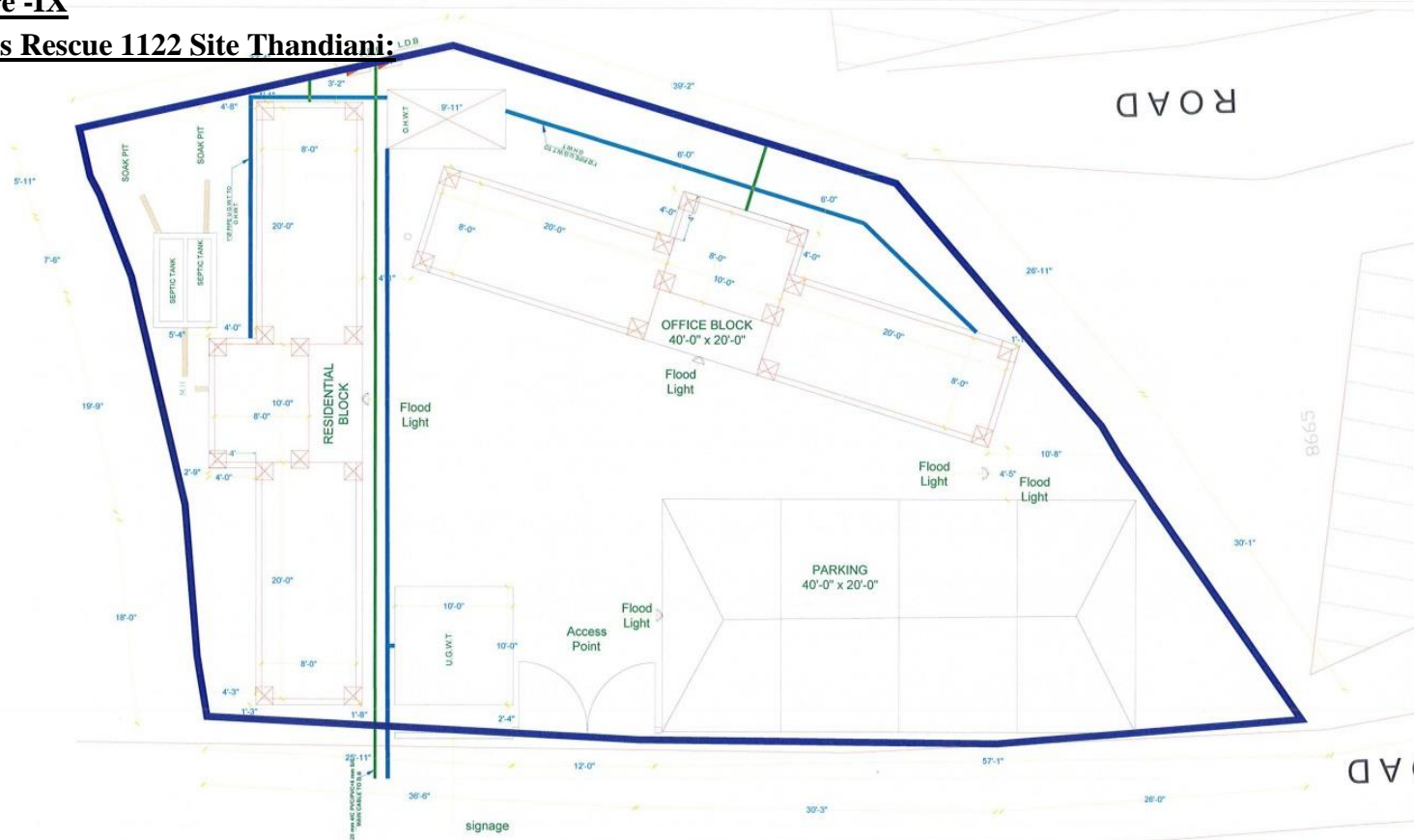
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**Annexure -IX**

**Drawings Rescue 1122 Site Thandiani:**



CLIENT:	APPROVAL	PROJECT:	SCALE	SHEET CONTENT
<p>KHYBER PAKHTUNKHWA INTEGRATED TOURISM AND ENTERPRISE DEVELOPMENT PROJECT (KITE) PMU DEPARTMENT of TOURISM KPK</p>	<p>ARCHITECT (KITE) DoT</p>	<p>ENGINEER (KITE) C&amp;W</p>	<p>EMERGENCY RESCUE SERVICE 1122 STATIONS ABBOTTABAD THANDIANI PLOT 02 AREA (4203.38 Sft) 15.45 / Maria</p> <p>N.T.S</p>	<p>MASTER PLAN</p> <p>PLOT LAYOUT</p>
	<p>PD (KITE) C&amp;W</p>	<p>PD (KITE) DoT</p>		<p>DWG NO IAS-PM - 02</p>



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**Thandiani**





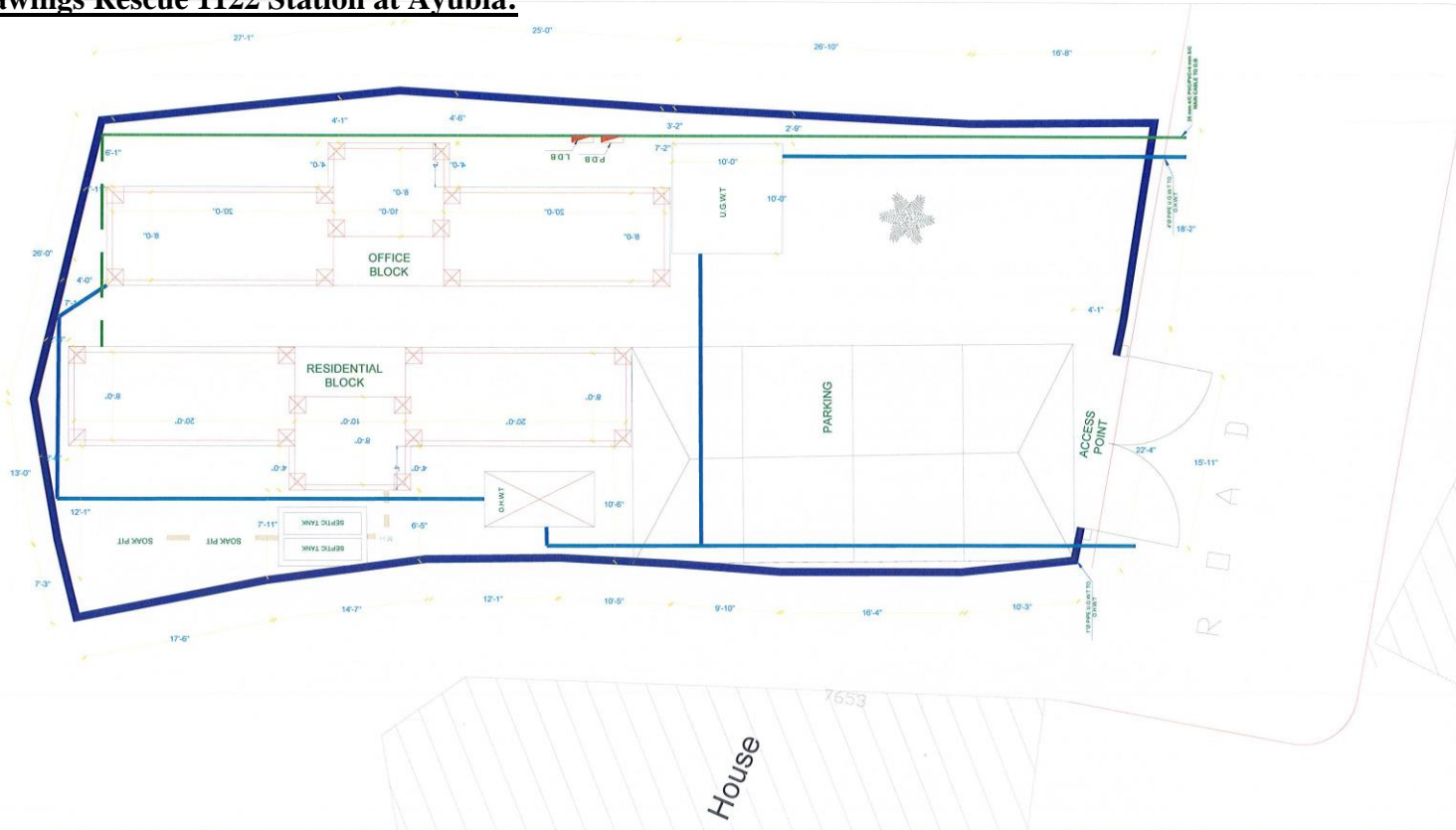







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**Drawings Rescue 1122 Station at Ayubia:**



CLIENT:	APPROVAL	PROJECT:	SCALE	SHEET CONTENT
 <p>KHYBER PAKHTUNKHWA INTEGRATED TOURISM AND ENTERPRISE DEVELOPMENT PROJECT (KITE) PMU DEPARTMENT OF TOURISM KPK</p>	   	<p>EMERGENCY RESCUE SERVICE 1122 STATIONS ABBOTTABAD AYUBIA PLOT 01 PLOT 1 AREA (4022.85 Sft) 14.79 / Marla</p>	N.T.S	<p>MASTER PLAN PLOT LAYOUT</p>
	<p>ARCHITECT (KITE) DoT      ENGINEER (KITE) C&amp;W      PD (KITE) C&amp;W      PD (KITE) DoT</p>			DWG NO IAS-PM - 02



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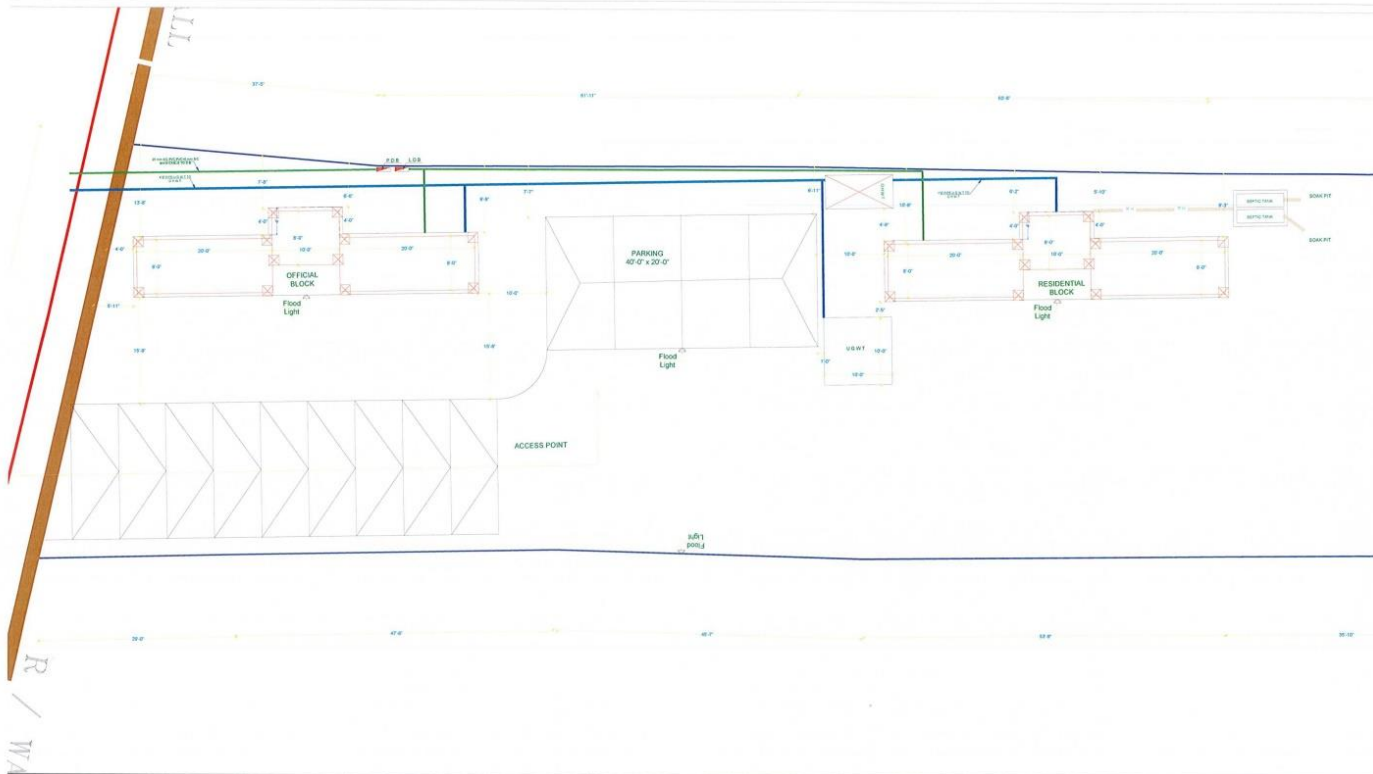
## Ayubia











**Drawings Rescue 1122 Station at Kumrat:**



CLIENT:	APPROVAL	PROJECT:	SCALE	SHEET CONTENT
 <p>KHYBER PAKHTUNKHWA INTEGRATED TOURISM AND ENTERPRISE DEVELOPMENT PROJECT (KITE) PMU DEPARTMENT OF TOURISM KPK</p>	 ARCHITECT (KITE) DoT	<p>EMERGENCY RESCUE SERVICE 1122 STATIONS KUMRAT DIR UPPER PLOT 4 AREA (15847.51 Sft) 58.26 / Marla</p>	N.T.S	MASTER PLAN
	 ENGINEER (KITE) C&W			 PD (KITE) C&W
				DWG. NO. IAS-PM - 02



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PROJECT MANAGEMENT UNIT (DoT)

Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

**Kumrat**



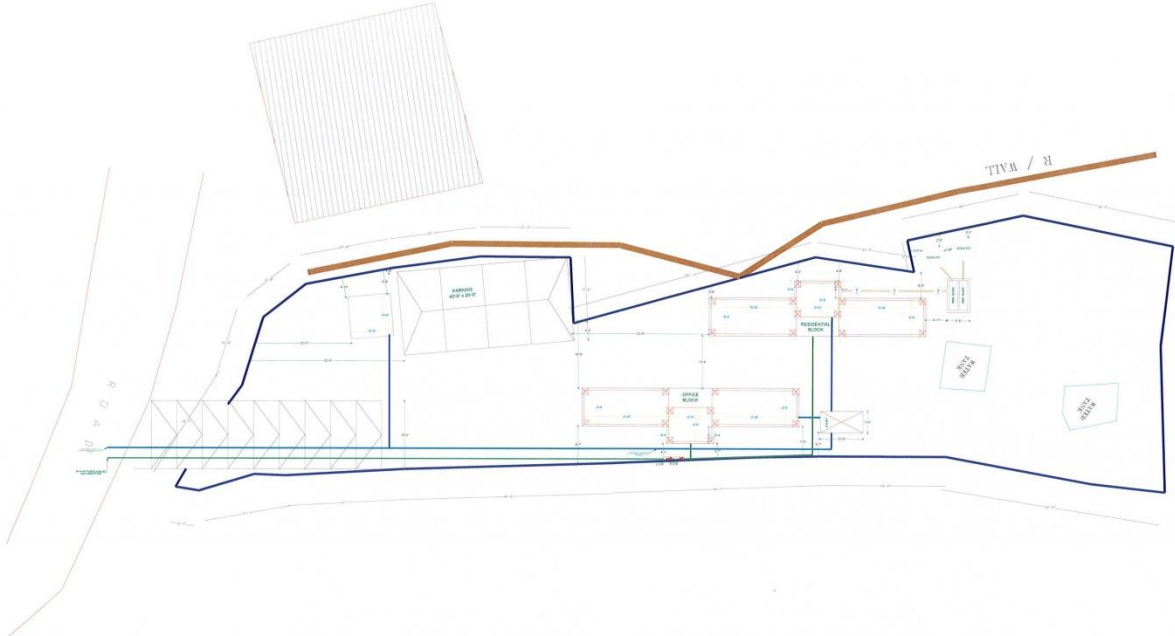


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**Drawings Rescue 1122 Station at Shogran, Kewai:**



CLIENT:	APPROVAL				PROJECT:	SCALE	SHEET CONTENT
 <p>KHYBER PAKHTUNKHWA INTEGRATED TOURISM AND ENTERPRISE DEVELOPMENT PROJECT (KITE) PMU DEPARTMENT of TOURISM KPK</p>	 ARCHITECT (KITE) DoT	 ENGINEER (KITE) C&W	 PD (KITE) C&W	 PD (KITE) DoT	EMERGENCY RESCUE SERVICE 1122 KEWAI ROAD MANSHERA PLOT 05 PLOT 5 AREA (110472.31 SQ) 38.50 / Marla	N.T.S	MASTER PLAN PLOT LAYOUT
DWG NO 1122-MP-04							



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PROJECT MANAGEMENT UNIT (DoT)

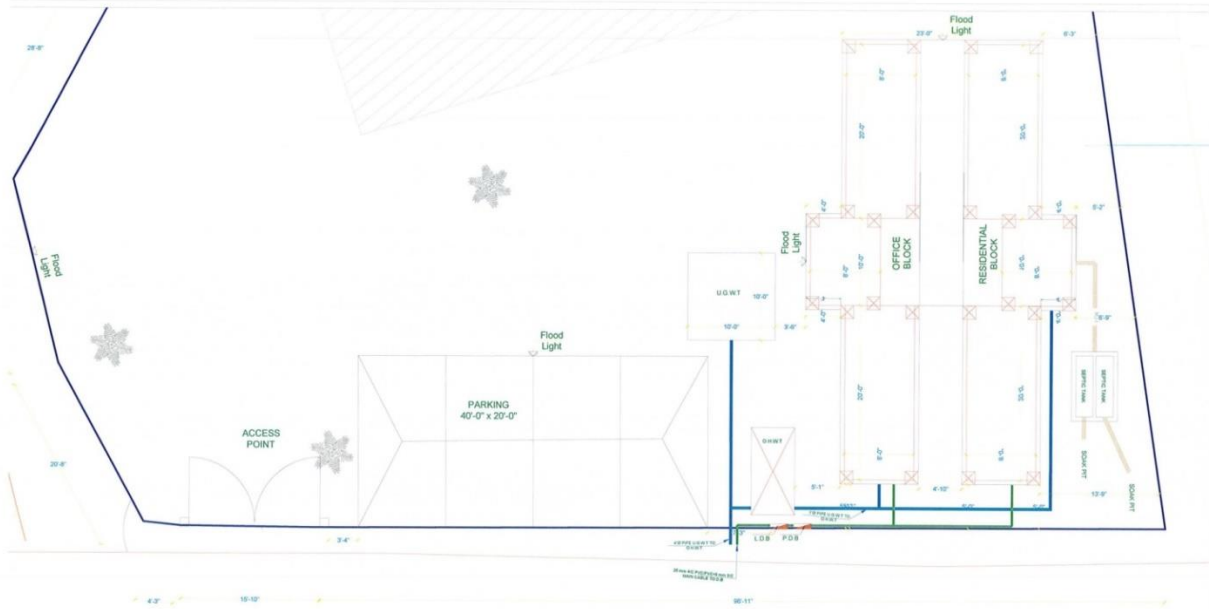
Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs

**Kewai**





**Drawings Rescue 1122 Station at Bamburet, Kalash:**



CLIENT:	APPROVAL	PROJECT:	SCALE	SHEET CONTENT
<p>KHYBER PAKHTUNKHWA INTEGRATED TOURISM AND ENTERPRISE DEVELOPMENT PROJECT (KITE) PMU DEPARTMENT of TOURISM KPK</p>	<p>ARCHITECT (KITE) DoT    ENGINEER (KITE) C&amp;W    PD (KITE) C&amp;W    PD (KITE) DoT</p>	<p>EMERGENCY RESCUE SERVICE 1122 STATIONS KALASH LOWER CHITRAL PLOT 3 AREA (12343.19 SR) 45.37 / Marla</p>	<p>N.T.S</p>	<p>MASTER PLAN PLOT LAYOUT</p>
<p>DWG NO 1122-MP-04</p>				





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**Bamburet, Kalash**





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