

# INSTALLATION OF PRE-FAB WASHROOMS IN TOURIST AREAS

## Environmental Management Plan (EMP)

### Kohat District

Wildlife Park Kotal,  
Wildlife Park Tough Mangara,  
Knowledge Park, Kata Kani

July 2022

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



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

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



### 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:

PMU KITE DoT has undertaken the initiative of supply and installation of prefab washrooms in tourist areas. Prefab toilets at 5 sites in Galyat, 2 sites at Kaghan valley and 1 site in Swat have been installed while site identification survey at Kaghan, Dir Upper and Chitral is under process.

Khyber Pakhtunkhwa Forest and Wildlife Department is working on promotion of wildlife parks and forest area development initiatives. KITE following its objective of responsible tourism and sustainable environmental initiatives have collaborated with Khyber Pakhtunkhwa Forest and Wildlife Department and identified following 4 sites in Kohat District for installation of prefab washrooms for providing support to visiting tourists.

**Knowledge Park, Kata Kani:** A Knowledge Park has been established at Kata Kani, District Kohat. The total area of the knowledge park is 422 ha. The creation of Knowledge Park at Resume Lands of Kata Kani is intended for the purpose of demonstration, education, recreation and research in the field of forestry and allied disciplines. It will attract visitors and researchers from all walks of life to learn about new technologies and practices for sustainable land use and natural resource management. Typical visitors to the park will include students, farmers, government officials, development practitioners, researchers, entrepreneurs, nature-lovers and general public.



**Kotal Wildlife Park:** It was established during 1988-89 over an area of 150 Acres. The park is located near old Kotal Pass along the road leading from Kohat to Peshawar. Whole of the park area was completely fenced with 8ft high chain link mesh to provide a safe and secure habitat to the wild animals. Park has dense forest of Acacia (Phulai), and thus provide natural habitat to the captive wildlife.

**Tough Mangara Wildlife Park:** This huge park was established during 2003-04 over an area of 3000 Acres. Access to the park is from the main Indus Highway. Whole of the park area was completely fenced with 8ft high chain link mesh to provide a safe and secure habitat to the wild animals. Park has dense vegetation of local and exotic trees, besides having unique topography comprising of dense forests, nallahs, ridges and small hills. Thus, it provides a safe habitat to a number of wild animals and birds.

Although Wildlife Department has also developed certain tourist facilities like development of walking tracks, sun/ rain shelters with benches, children playland, Tourist Information Centre, watch tower but due to increase in number so visiting tourists after construction of nearby Kohat Tunnel and plans to upgrade these parks will increase the tourist inflow therefore tourist facilities especially wash rooms are needed. The PMU KITE DoT will undertake the installation of these units; after installation, Forest and Wildlife Division Kohat will be responsible for Operations and Management (O&M) through their own resources. KITE will ensure E&S monitoring of these sites.

### **3. Sub-project locations:**

The following 4 locations at Kohat have been identified.

1. Wildlife Park Kotal (Kohat District),
2. Wildlife Park Tough Mangara (Kohat District),
3. Wildlife Park Tough Mangara Breeding Point (Kohat District)
4. Forest Site Kata Kani (Kohat District)

The GPS coordinates, proposed number of units with name of authority owning the land is given below:



Name of Site/ Location	GPS	Proposed No of Units	Availability of Public/Private Toilet facility	Custodian
Wildlife Park Kotal	33°37'34.9" N; 71°27'29.3E	04 Units	No	Forest & Wildlife Department
Wildlife Park Tough Mangara	33°34'46.3" N; 71°32'22.8 E	03 Units	No	Forest & Wildlife Department
Tough Mangara Breeding Point	33°35'26.5" N; 71°34'12.4E	04 Units	No	Forest & Wildlife Department
Knowledge Park, Kata Kani	33°37'34.8" N; 71°27'28.8 E	04 Units	No	Forest & Wildlife Department

#### 4. Legal and Regulatory Framework:

##### E&S Operational Policies of World Bank:

This activity can potentially cause adverse environmental and social impacts which are envisioned to be small scale, localized and reversible in nature. Therefore, this EMP has been prepared in accordance with OP 4.01 Environmental Assessment and OP 4.11 Physical Cultural Resources. All facilities related to the sub-project will be on Government land and there will be no private land acquisition or removal of illegal occupants, hence OP 4.12 is not triggered.

##### 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 (screening checklist followed by mitigation, supervision and monitoring arrangements).

##### ii. 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. None of the proposed sub-project sites falls under the WB definition of PCR as explained above in section 3 therefore this OP is not applicable. However, since the project involves



excavation activities, as a precautionary principle a Chance Find Mechanism is prepared and annexed.

#### **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.

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

This EMP will be implemented under overall supervision of Project Director (PD) PMU KITE DoT. To support the PD in environmental and social related aspects, E&S Expert KITE and Liaison & Coordination Officer PMU DoT is designated as the KITE EMP Coordinators. The EMP Coordinators will ensure that the EMP is part of contractor's bidding documents and implemented by the contractor.

The EMP Coordinators will also ensure that the environmental monitoring is carried out regularly during the entire construction phase as per the EMP. The E&S Expert PMU KITE is responsible for maintaining complete record of these monitoring reports and prepare a quarterly report on the basis of the field monitoring forms for onward perusal of Project Director and submission to World Bank.

Post-construction, the Forest & Wildlife Department will be responsible for the regular Operations and Management (O&M) of these stations through their own resources. KITE will ensure E&S monitoring of these sites

#### **6. Stakeholder Engagement:**

For all the stated sub-project activities meaningful consultations were carried out with the relevant stakeholders at the office of District Forest Officer Kohat. The following attended:

- i. Mr. Abdul Samad, DFO Forest Kohat.
- ii. Mr. Shabeer Khan, SDFO Forest Kohat.
- iii. Mr. Shah Muhammad, Range Wildlife Officer, Kohat.
- iv. Mr. Sajjad Khan, PFT Contractor.
- v. Mr. Gul Jan, Duty Police Officer
- vi. Mr. Zahoor Khan, visitor



vii. Mr. Ijaz Ahmad, Visitor

viii. Mr. Waqar Khan, Visitor

The consultation involved briefing about the proposed installation of prefab toilets for tourist facilitation. Tehsildar Kohat and local community welcomed the initiative and stated that it is much anticipated requirement of tourists passing through this way. The following suggestions were also made:

- Keeping in view the tourist influx separate units for male and female is required.
- Banners and pamphlets to be provided knowing tourists about the service.
- These toilets shall also be accessible for tourists visiting the site.
- Proper cleanliness shall also be ensured during and post implementation.
- Proper monitor should be carried out to ensure cleanliness of the toilets.
- The people demanded for hiring of unskilled labors from local populace.

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

The overall E&S category of KITE is B, whereas the subproject activity has been assessed to have low E&S risks and impacts, therefore as per WB OP 4.01 an EMP has been prepared for this sub-project intervention.





**8. Environmental Management Plan (Standard EMP) for Supply & Installation of Prefabricated Washrooms in Kohat**

**Table – 01: Anticipated Impacts and Mitigation Measures – Pre-construction Environmental Mitigation Plan**

Activity	Anticipated Impacts	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
Acquisition of land for pre-fabricated washrooms	Social impacts of the local community	The pre- fabricated washrooms are proposed to construct on the land owned by Forest & Wildlife Department	Forest & Wildlife Department	PMU KITE DoT	N. A
Physical and Cultural Resources	Ground disturbance can uncover and damage archaeological and historical remains	<ol style="list-style-type: none"> <li>1. Archaeological assessment of the archaeological potential of the site.</li> <li>2. A Chance Find Mechanism has been developed (<b>Annex-VI</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.</li> </ol>	<ol style="list-style-type: none"> <li>1. DoT</li> <li>2. DOAM</li> </ol>	PMU KITE DoT	N. A



**Table- 02: Anticipated Impacts and Mitigation Measures – Construction Stage Environmental Mitigation Plan**

Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
Air Quality	Dust emissions may be generated during construction activity.	<ol style="list-style-type: none"> <li>1. Contractor shall cover loose material when transported.</li> <li>2. Contractor shall spray water on the dusty areas at least 2 times a day.</li> <li>3. Dust masks will be provided to site workers.</li> </ol>	Construction Contractor	E&S Expert KITE PMU DoT	5000
Surface water quality & Soil contamination	<ol style="list-style-type: none"> <li>1. Construction activities can have raw materials or construction materials.</li> <li>2. Lubricants/ paint during construction works can contaminate nearby surface water quality.</li> <li>3. Creation of stagnant water bodies in borrows pits, quarries, etc.,</li> </ol>	<ol style="list-style-type: none"> <li>1. Stock can be covered by plastic sheet.</li> <li>2. It will be ensured that there is no discharge/leakage from septic tanks or liquid waste disposal into water bodies. This will be ensured in E&amp;S monitoring visits. All septic tanks are connected with soakage pit and any kind of overflow in septic tank will be catered by soakage pit.</li> <li>3. Forest Deptt will do periodic cleaning and maintenance of these pits. Important to note that soak pits are designs in a way to</li> </ol>	Construction Contractor	KITE PMU DoT	40,000



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
	<p>encouraging for mosquito breeding and other disease vectors.</p> <p>4. Use of chemicals or solvents.</p>	<p>absorb maximum waste and will need cleaning once in 2-3 years.</p> <p>4. Dispose any wastes generated by construction activities in designated sites.</p> <p>5. Contractor to use asbestos free cement.</p> <p>6. Debagging will be done in closed compound.</p> <p>7. Advised to use lead free paint.</p> <p>8. PPEs to be provided to workers during on-site work.</p>			
Water Supply	If not provided, can create nuisance and smell.	Available govt. water supply resources will be used.	Contractor	KITE PMU DoT	N. A
Washroom and Sewerage system provision for construction workers	Can create environmental and social problems if not addressed properly.	<p>1. Adjacent to subproject sites govt buildings are present with washrooms. these washrooms will be utilized by the site workers.</p> <p>2. The washrooms will be washed at least twice a day.</p> <p>3. Sanitation products will be made</p>	Contractor	KITE PMU DoT	20,000



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
		<p>available for maintaining the cleanliness of washrooms.</p> <p>4. One person will be assigned for ensuring the cleanliness and hygiene by the use of a cleanliness checklist.</p>			
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	1000
Solid Waste Disposal	Solid wastes as well as excess construction materials can deteriorate the landscape aesthetics	<ol style="list-style-type: none"> <li>1. Make sure construction waste is disposed to municipal solid waste bin.</li> <li>2. Proper disposal of solid waste in designated site to sustain the water and land quality for domestic requirements.</li> <li>3. Use of PPEs (protective gloves, face masks, protective boots) by the workers involved in handling and management of all kinds of waste.</li> </ol>	Construction Contractor	KITE PMU DoT	30,000



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
		4. Avoid stockpiling of excess excavated soils.			
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	NA
Accessibility	Traffic problems near project locations	<ol style="list-style-type: none"> <li>1. Coordinate with Traffic Police and local authorities for short term management.</li> <li>2. Notify affected person from vehicles by providing sign boards informing nature and duration of construction works and contact numbers for concerns/ complaints.</li> <li>3. Maintain GRM register on site.</li> </ol>	Construction Contractor	Supervisory Consultant KITE PMU DoT	NA
Sub project located in an area of seismic plate	Sub project located in an area of seismic plate	<ol style="list-style-type: none"> <li>1. Earthquake resistant features like frame structure, prefab material is already included as part of design.</li> <li>2. Earth quake engineering designing and training for contractor before</li> </ol>	Construction Contractor	KITE PMU DoT	N. A



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
		starting work activities.			
Occupational Health and Safety	Excavation, digging, paint work, electricity work and operation of machinery on site can pose OH&S risks to the operator.	<ol style="list-style-type: none"> <li>1. Ensuring all workers are provided with and use Personal Protective Equipment like helmet, safety shoves, gloves, nose mask and ear plugs</li> <li>2. Orientation on social and environmental components for all site personnel.</li> <li>3. Skilled staff shall be hired.</li> </ol>	Construction Contractor	KITE PMU DoT	As above
Covid SOPs		<ol style="list-style-type: none"> <li>1. Covid SOPs will be strictly adhered to during work.</li> <li>2. Contract to provide PPEs, hand sanitizers etc. to workers.</li> </ol>	Construction Contractor	KITE PMU DoT	As above
Grievance Redressal	Public grievances related to environment and social aspects	<ol style="list-style-type: none"> <li>1. Maintain a complaint register on site.</li> <li>2. Identify and appropriately respond to impacts on directly affected persons to ensure legal compliance and meet moral / ethical obligations.</li> <li>3. Distribute GRM awareness leaflets</li> </ol>	Construction Contractor	KITE PMU DoT	NA



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Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
		to the local residents.			



**Table-03: Anticipated Impacts and Mitigation Measures – Operation and Maintenance Environmental Mitigation Plan**

Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by (Post construction)
Routine operation & maintenance	Improper maintenance can lead to unhygienic condition and nuisance.	Forest & Wildlife Department to develop and implement operation and maintenance (O&M) plans and periodic cleaning and maintenance of soakage pit.	Forest & Wildlife Department	PMU KITE DoT
Solid Waste Disposal	Usage of prefab toilets by tourists will create solid waste	<ol style="list-style-type: none"> <li>All solid waste (including pampers, nappies etc.) generated from toilets will be disposed by Forest &amp; Wildlife Department staff in designated sites. Similarly, all waste water will be disposed in soak pit.</li> <li>Proper disposal of solid waste in designated site to sustain the water and land quality for domestic requirements.</li> <li>Use of PPEs (protective gloves, face masks, protective boots) by the workers involved in handling and management of all kinds of waste.</li> </ol>	Forest & Wildlife Department	PMU KITE DoT





**9. Monitoring Plan:**

To ensure effective implementation of mitigation measures provided under this EMP, the E&S team will carry out environmental monitoring regularly during the entire construction phase as per the following Environmental Monitoring Plan.

Activities	Mitigation Measures	Monitoring Frequency and Parameters	Responsibility of Implementation	Responsibility of Monitoring
<b>Air Quality</b>	Contractor shall cover loose material when transported by vehicles.	Daily Basis through visual monitoring	Contractor	EMP Coordinators PMU KITE
	Dust masks will be provided to site workers.			
	To contain dust water sprinkling at least 2 times a day.			
<b>Surface Water Quality &amp; Soil Contamination</b>	Stock can be covered by plastic sheet.	Daily Basis through visual monitoring	Contractor	EMP Coordinators PMU KITE
	It will be ensured that there is no discharge/leakage from septic tanks or liquid waste disposal into water bodies. This will be ensured in E&S monitoring visits. All septic tanks are connected with soakage pit and any kind of overflow in septic tank will be catered by soakage pit.			



	Dispose any wastes generated by construction activities in designated sites.			
	Contractor to use asbestos free cement.			
	Debagging will be done in closed compound.			
	Advised to use lead free paint			
<b>Washroom and Sewerage system provision for construction workers</b>	Adjacent to subproject sites govt buildings are present with washrooms. these washrooms will be utilized by the site workers.	During construction	Contractor	EMP Coordinators PMU KITE
	The washrooms will be washed at least twice a day.			
	Sanitation products will be made available for maintaining the cleanliness of washrooms.			
	The Forest and Wildlife Department will ensure the cleanliness and hygiene..			
<b>Noise Levels</b>	Ear plugs shall be provided to the workers.	During construction	Contractor	EMP Coordinators PMU KITE



<b>Solid Waste Disposal</b>	1. Make sure construction waste is disposed to municipal solid waste bin. 2. Use of PPEs (protective gloves, face masks, protective boots) by the workers involved in handling and management of all kinds of waste.	During construction	Contractor	EMP Coordinators PMU KITE
	Avoid stockpiling of excess excavated soil			
	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>	Ensuring all workers are provided with and use Personal Protective Equipment like helmet, safety shoes, gloves, nose mask and ear plugs	Daily through visual inspection  Orientation of personnel at start of construction	Contractor	EMP Coordinators PMU KITE
	Orientation on social and environmental components for all site personnel.			
	Skilled staff shall be hired			
<b>Grievance Redressal</b>	Maintain a complaint register on site.	During site visit by E&S team	Contractor	EMP Coordinators



	Identify and appropriately respond to impacts on directly affected persons to ensure legal compliance and meet moral / ethical obligations.			PMU KITE
	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	EMP Coordinators PMU KITE

Note: Implementation monitoring budget will be supported by Forest & Wildlife Department through its own sources.



### 10. Capacity Building & 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 PMU staff and Contractors staff involved in management of the subproject.

These trainings will provide information about procedures and methods for complying with environmental and social management conditions, and any specific conditions specified in an EMP.

Environmental and Social Safeguard Expert, PMU KITE will be responsible for execution and record keeping of these trainings. 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	Budget
One day training on Implementation of EMP (1 units)	<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 Pre-fab Washroom</li> <li>• GRM</li> <li>• Monitoring and reporting</li> </ul>	<ul style="list-style-type: none"> <li>• DFO Office Kohat</li> </ul>	<ul style="list-style-type: none"> <li>• Contractor</li> <li>• Forest &amp; Wildlife Department Staff</li> </ul>	40,000
One day Training on Appropriate personal protective equipment (PPE) and First Aid	<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> <li>• First Aid</li> <li>• EHS aspects</li> </ul>	DFO Office Kohat	<ul style="list-style-type: none"> <li>• Contractor</li> <li>• Forest &amp; Wildlife Department Staff</li> </ul>	10,000



	• Fire Fighting			
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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. **146,000/-**. After installation of prefab washrooms all sites will be handed over to concerned Forest & Wildlife Department Staff for operations, hence, all O&M will be borne by there through its own annual budget.

**Monitoring of O&M of Toilets:** E&S Expert PMU KITE will do monitoring visits in this regard. A generic O&M plan covering the aspects related to hygiene and cleanliness, availability of sanitary materials, sanitization, and cleaning schedule etc. has been prepared and reviewed by the World Bank. KITE E&S experts/specialists will ensure the O&M plan is operationalized in accordance with guidance provided by the World Bank.



**Annexure-I: Environmental and Social Screening Checklist Environmental and Social Screening Checklist (E&S  
Screening) Wildlife Park Kotal, Kohat**

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 Forest & Wildlife Department therefore the activity will not affect any land use pattern.
2.	Will the subproject involve significant land disturbance or site clearance?	X	-	-	-	No site clearance is involved.
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	-	-	-	Since it is small activity therefore it will not create a significant impact on utilities and services.
2.	Will the subproject make significant demands on utilities and services?	X	-	-	-	Facilities including sewerage line and water are available at site therefore no additional demand is required.
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>					



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
1.	Will the subproject require large amounts of raw materials or construction materials?	-	X	-	-	Small amount of construction materials, sand, Iron, fencing, gravel, solar panel, fiber glass, crush, cement, steel 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>
2.	Will the subproject generate large amounts of residual wastes, construction material waste or cause soil erosion?	X	-	-	-	
3.	Will the subproject result in potential soil or water contamination (e.g., from oil, grease and fuel from equipment yards)?	X	-	-	-	The sub project includes construction of septic tank and soak pits for wastewater hence all waste will go in these tanks for final disposal. It will be ensured that there is no discharge/leakage from septic tanks or liquid waste disposal into water bodies. This will be ensured in E&S monitoring visits. All septic tanks are connected with soakage pit and any kind of overflow in septic tank will be catered by soakage pit. Forest Deptt will do periodic cleaning and maintenance of these pits. Important to note that soak pits are designs in a way to absorb maximum





S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						waste and will need cleaning once in 2-3 years.
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	-	-	Paint, drilling, polish etc. will be used during installation. As a mitigation measure contractor will be advised to: <ul style="list-style-type: none"> <li>• Use lead free paint,</li> <li>• Make sure that proper PPE be provided to each worker on site,</li> <li>• Store the chemicals in enclosed stockroom (if required).</li> </ul>
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	-	-	Borrow pits can create stagnant water bodies. For mitigation contractor to ensure: <ul style="list-style-type: none"> <li>• regular cleaning of site,</li> <li>• Refilling of borrow pits after completion of work will be ensured.</li> </ul>
<b>D</b>	<b>Noise and Air Pollution Hazardous Substances</b>					
1.	Will the subproject increase the levels of harmful air emissions?	X	-	-	-	



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
2.	Will the subproject increase ambient noise levels?	-	X	-	-	Noise generated due to drilling activities can create problems for workers. To reduce this ear plugs shall be provided to the workers.
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	-	-	-	
<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 the infrastructure being developed?	X	-	-	-	



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



GOVERNMENT  
OF KHYBER  
PAKHTUNKHWA

KHYBER PAKHTUNKHWA  
**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
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	-	This site is owned by Forest & Wildlife 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	-	
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	-	X	-	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
	movement of conservation-worthy wildlife or livestock?				
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 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	-	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
19.	Is the subproject located in an area of seismic faults?	-	X	-	
20.	Is the subproject located in a densely populated area?	-	X	-	
21.	Is the subproject located on prime agricultural land?	-	X	-	
22.	Is the subproject located in an area of tourist importance?	X	-	-	
23.	Is the subproject located near a waste dump?	-	X	-	
24.	Does the subproject have access to potable water?	X	-	-	
25.	Is the subproject located in an area with a wastewater network?	-	X	-	No however it is explained that waste water from toilets will be treated in septic tank.
26.	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.
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”).				This activity will be carried out on Forest & Wildlife Department land
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	This activity will be carried out on Forest & Wildlife Department 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	-	
➤ 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	-	





Potential Impacts	Yes	No	Expected	Remarks
➤ 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”). Describe nature of impacts	-	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	C
	Air Quality	C
	Surface Water Quality	B
	Groundwater Quality	C
	Water Availability and Consumption	C
<b>Biological</b>	Natural Vegetation	C
	Wildlife	C
<b>Social</b>	Blocked Access Routes	C
	Noise and Vibration	C
	Impacts on Agriculture	C
	Impacts on Irrigation Network	C
	Livestock Grazing	C
	Compensation Issues	C
	Safety Hazard	C
	Infrastructure Utilities	B
	Public Health	B
	Aesthetic Value	C
	Cultural Issues	C
	Gender Issues	C

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



<b>Overall Assessment</b>	
• Sub-project is declined	—
• Sub-project is accepted	Yes
• Sub-project is classified as environmental Category A and requires an in- depth Environmental and Social Impact Assessment and an Environmental Management Plan.	—
• 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 Environment Mitigation Plan (EMP). This will be implemented by project engineer, contractor, and PMU Environmental and Social Safeguard team.
• Sub-project is classified as environmental Category C and does not require an Environmental Management Plan.	—



**Annexure – II: Environmental and Social Screening Checklist (E&S Screening) Wildlife Park Tough Mangara, Kohat**

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 Forest & Wildlife Department therefore the 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	–	–	–	Since it is small activity therefore it will not create a significant impact on utilities and services.
2.	Will the subproject make significant demands on utilities and services?	X	–	–	–	Facilities including sewerage line and water are available at site therefore no additional demand is required.
3.	Will the subproject require significant levels of accommodation or service	X	–	–	–	



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	amenities to support 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	-	-	Small amount of construction materials, sand, Iron, fencing, gravel, solar panel, fiber glass, crush, cement, steel 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 debuggging in a closed compound.</li> </ul>
2.	Will the subproject generate large amounts of residual wastes, construction material waste or cause soil erosion?	X	-	-	-	
3.	Will the subproject result in potential soil or water contamination (e.g., from oil, grease and fuel from equipment yards)?	X	-	-	-	The sub project includes construction of septic tank and soak pits for wastewater hence all waste will go in these tanks for final disposal. It will be ensured that there is no discharge/leakage from septic tanks or liquid waste disposal into water bodies. This will be ensured in E&S monitoring visits. All septic



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						tanks are connected with soakage pit and any kind of overflow in septic tank will be catered by soakage pit. Forest Deptt will do periodic cleaning and maintenance of these pits. Important to note that soak pits are designs in a way to absorb maximum waste and will need cleaning once in 2-3 years.
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	-	-	Paint, drilling, polish etc. will be used during installation. As a mitigation measure contractor will be advised to: <ul style="list-style-type: none"> <li>• Use lead free paint,</li> <li>• Make sure that proper PPE be provided to each worker on site,</li> <li>• Store the chemicals in enclosed stockroom (if required).</li> </ul>



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
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	-	-	Borrow pits can create stagnant water bodies. For mitigation contractor to ensure: <ul style="list-style-type: none"> <li>regular cleaning of site,</li> <li>refilling of borrow pits after completion of work will be ensured.</li> </ul>
<b>D</b>	<b>Noise and Air Pollution Hazardous Substances</b>					
1.	Will the subproject increase the levels of harmful air emissions?	X	-	-	-	
2.	Will the subproject increase ambient noise levels?	-	X	-	-	Noise generated due to drilling activities can create problems for workers. To reduce this ear plugs shall be provided to the workers.
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	-	-	-	
<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	-	-	-	



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
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	-	-	-	
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	X	-	-	-	





S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	concentrated outflow carried by covered or open drains?					
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 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	-	This site is owned by Forest & Wildlife 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	-	
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	-	X	-	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
	movement of conservation-worthy wildlife or livestock?				
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 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	-	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
19.	Is the subproject located in an area of seismic faults?	-	X	-	
20.	Is the subproject located in a densely populated area?	-	X	-	
21.	Is the subproject located on prime agricultural land?	-	X	-	
22.	Is the subproject located in an area of tourist importance?	X	-	-	
23.	Is the subproject located near a waste dump?	-	X	-	
24.	Does the subproject have access to potable water?	X	-	-	Government water supply line is available on location.
25.	Is the subproject located in an area with a wastewater network?	-	X	-	No however it is explained that waste water from toilets will be treated in septic tank. Forest & Wildlife Department Kohat will outsource cleaning and operations of these toilets.
26.	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.
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”).				This activity will be carried out on Forest & Wildlife Department land
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	This activity will be carried out on Forest & Wildlife Department 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	-	
➤ 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	-	



Potential Impacts	Yes	No	Expected	Remarks
➤ 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”). Describe nature of impacts	-	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	C
	Air Quality	C
	Surface Water Quality	B
	Groundwater Quality	C
	Water Availability and Consumption	C
<b>Biological</b>	Natural Vegetation	C
	Wildlife	C
<b>Social</b>	Blocked Access Routes	C
	Noise and Vibration	C
	Impacts on Agriculture	C
	Impacts on Irrigation Network	C
	Livestock Grazing	C
	Compensation Issues	C
	Safety Hazard	C
	Infrastructure Utilities	B
	Public Health	B
	Aesthetic Value	C
	Cultural Issues	C
	Gender Issues	C

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



<b>Overall Assessment</b>	
<ul style="list-style-type: none"> <li>• Sub-project is declined</li> </ul>	—
<ul style="list-style-type: none"> <li>• Sub-project is accepted</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• Sub-project is classified as environmental Category A and requires an in- depth Environmental and Social Impact Assessment and an Environmental Management Plan.</li> </ul>	—
<ul style="list-style-type: none"> <li>• Sub-project is classified as environmental Category B and requires an Environmental Management Plan.</li> </ul>	The sub-project impacts are localized and reversible in nature and can be managed through Environment Mitigation Plan (EMP). This will be implemented by project engineer, contractor, and PMU Environmental and Social Safeguard team.
<ul style="list-style-type: none"> <li>• Sub-project is classified as environmental Category C and does not require an Environmental Management Plan.</li> </ul>	—





**Annexure- III: Environmental and Social Screening Checklist (E&S Screening) Tough Mangara Chinkara  
Breeding Point, Kohat**

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 Forest & Wildlife Department owned site therefore the activity will not affect any land use pattern.
2.	Will the subproject involve significant land disturbance or site clearance?	X	-	-	-	No site clearance is involved.
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	-	-	-	Since it is small activity therefore it will not create a significant impact on utilities and services.
2.	Will the subproject make significant demands on utilities and services?	X	-	-	-	All facilities available at site therefore no additional demand is required.



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
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	-	-	Small amount of construction materials, sands, Iron, fencing, gravel, solar panel, batteries, fiber glass, crush, cement, steel 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>
2.	Will the subproject generate large amounts of residual wastes, construction material waste or cause soil erosion?	X	-	-	-	
3.	Will the subproject result in potential soil or water contamination (e.g., from oil, grease and fuel from equipment yards)?	X	-	-	-	The sub project includes construction of septic tank and soak pits for wastewater hence all waste will go in these tanks for final disposal. It will be ensured that there is no discharge/leakage from septic tanks or liquid waste disposal into water bodies. This will be ensured in E&S monitoring



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						visits. All septic tanks are connected with soakage pit and any kind of overflow in septic tank will be catered by soakage pit. Forest Deptt will do periodic cleaning and maintenance of these pits. Important to note that soak pits are designs in a way to absorb maximum waste and will need cleaning once in 2-3 years.
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	-	-	Paint, drilling, polish etc. will be used during installation. As a mitigation measure contractor will be advised to: <ul style="list-style-type: none"> <li>• use lead free paint</li> <li>• make sure that proper PPE be provided to each worker on site</li> <li>• store the chemicals in enclosed stockroom (if required).</li> </ul>



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
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	–	–	Up to a small amount. Regular cleaning of site by contractor, refilling of borrow pits after completion of work will be ensured.
<b>D</b>	<b>Noise and Air Pollution Hazardous Substances</b>					
1.	Will the subproject increase the levels of harmful air emissions?	X	–	–	–	
2.	Will the subproject increase ambient noise levels?	–	X	–	–	Noise generated due to drilling activities can create problems for workers. Ear plugs shall be provided to the workers.
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	–	–	–	
<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	–	–	–	
3.	Will the subproject lead to the interruption of subsoil and overland drainage patterns (in areas of cuts and fills)?	X	–	–	–	



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
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	–	–	–	



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
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	–	This site is owned by Forest & Wildlife 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	–	
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	–	X	–	





S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
	movement of conservation-worthy wildlife or livestock?				
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 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	-	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
18.	Is the subproject located in an area susceptible to landslides or erosion?	–	X	–	
19.	Is the subproject located in an area of seismic faults?	–	X	–	
20.	Is the subproject located in a densely populated area?	–	X	–	
21.	Is the subproject located on prime agricultural land?	–	X	–	
22.	Is the subproject located in an area of tourist importance?	X	–	–	
23.	Is the subproject located near a waste dump?	–	X	–	
24.	Does the subproject have access to potable water?	X	–	–	Government water supply line is available on location
25.	Is the subproject located in an area with a wastewater network?	–	X	–	No however it is explained that waste water from toilets will be treated in septic tank. Forest & Wildlife Department will outsource cleaning and operations of these toilets.
26.	Is the subproject located in the urban plan of the city?	–	X	–	



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

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.
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”.				This activity will be carried out on Forest & Wildlife Department land.
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	This activity will be carried out on Forest & Wildlife Department land.
Private land				
➤ Residential	-	X	-	
➤ Commercial	-	X	-	
➤ Agriculture	-	X	-	
➤ Communal	-	X X X	-	
➤ Others (specify in “remarks”).	-	X	-	



Potential Impacts	Yes	No	Expected	Remarks
		X		
		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	-	



Potential Impacts	Yes	No	Expected	Remarks
‣ 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”). ‣ Describe nature of impacts	-	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	C
	Air Quality	C
	Surface Water Quality	B
	Groundwater Quality	C
	Water Availability and Consumption	C
<b>Biological</b>	Natural Vegetation	C
	Wildlife	C
<b>Social</b>	Blocked Access Routes	C
	Noise and Vibration	C
	Impacts on Agriculture	C
	Impacts on Irrigation Network	C
	Livestock Grazing	C
	Compensation Issues	C
	Safety Hazard	C
	Infrastructure Utilities	B
	Public Health	B
	Aesthetic Value	C
	Cultural Issues	C
	Gender Issues	C

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



<b>Overall Assessment</b>	
• Sub-project is declined	—
• Sub-project is accepted	Yes
• Sub-project is classified as environmental Category A and requires an in- depth Environmental and Social Impact Assessment and an Environmental Management Plan.	—
• 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 Environment Mitigation Plan (EMP). This will be implemented by project engineer, contractor, and PMU Environmental and Social Safeguard team.
• Sub-project is classified as environmental Category C and does not require an Environmental Management Plan.	—



**Annex-IV: Environmental and Social Screening Checklist (E&S Screening) Forest site Kata Kani, Kohat**

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 Forest & Wildlife Department owned site therefore the activity will not affect any land use pattern.
2.	Will the subproject involve significant land disturbance or site clearance?	X	-	-	-	No site clearance is involved.
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	-	-	-	Since it is small activity therefore it will not create a significant impact on utilities and services.
2.	Will the subproject make significant demands on utilities and services?	X	-	-	-	All facilities available at site therefore no additional demand is required.
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	-	-	Small amount of construction materials, sands, Iron, fencing,





S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						gravel, solar panel, batteries, fiber glass, crush, cement, steel 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 debugging in a closed compound.</li> </ul>
2.	Will the subproject generate large amounts of residual wastes, construction material waste or cause soil erosion?	X	-	-	-	
3.	Will the subproject result in potential soil or water contamination (e.g., from oil, grease and fuel from equipment yards)?	X	-	-	-	The sub project includes construction of septic tank and soak pits for wastewater hence all waste will go in these tanks for Final treatment. It will be ensured that there is no discharge/leakage from septic tanks or liquid waste disposal into water bodies. This will be ensured in E&S monitoring visits. All septic tanks are connected with soakage pit and any kind of overflow in septic tank will be catered by soakage pit.



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						Forest Deptt will do periodic cleaning and maintenance of these pits. Important to note that soak pits are designs in a way to absorb maximum waste and will need cleaning once in 2-3 years.
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	-	-	Paint, drilling, polish etc. will be used during installation. As a mitigation measure contractor will be advised to: <ul style="list-style-type: none"> <li>• Use lead free paint,</li> <li>• Make sure that proper PPE be provided to each worker on site,</li> <li>• Store the chemicals in enclosed stockroom (if required).</li> </ul>
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,	-	X	-	-	Up to a small amount. Regular cleaning of site by contractor, refilling



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	etc., encouraging for mosquito breeding and other disease vectors?					of borrow pits after completion of work will be ensured.
<b>D</b>	<b>Noise and Air Pollution Hazardous Substances</b>					
1.	Will the subproject increase the levels of harmful air emissions?	X	-	-	-	
2.	Will the subproject increase ambient noise levels?	-	X	-	-	Noise generated due to drilling activities can create problems for workers. Ear plugs shall be provided to the workers.
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	-	-	-	
<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	-	-	-	



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



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



**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	–	This site is owned by Forest & Wildlife 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	–	
8.	Is the subproject located in an area with endangered or	–	X	–	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
	conservation-worthy ecosystems, fauna or flora?				
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 from where people have been displaced?	–	X	–	



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
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 an area of seismic faults?	–	X	–	
20.	Is the subproject located in a densely populated area?	–	X	–	
21.	Is the subproject located on prime agricultural land?	–	X	–	
22.	Is the subproject located in an area of tourist importance?	X	–	–	
23.	Is the subproject located near a waste dump?	–	X	–	





S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
24.	Does the subproject have access to potable water?	X	-	-	Government water supply line is available on location
25.	Is the subproject located in an area with a wastewater network?	-	X	-	No however it is explained that waste water from toilets will be treated in septic tank. Cleaning and operations of these toilets will be outsourced.
26.	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.
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”.				This activity will be carried out on Forest & Wildlife Department land.
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	This activity will be carried out on Forest & Wildlife Department 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	-	
➤ 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	-	



Potential Impacts	Yes	No	Expected	Remarks
➤ 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	-	
➤ Describe nature of impacts	-	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	C
	Air Quality	C
	Surface Water Quality	B
	Groundwater Quality	C
	Water Availability and Consumption	C
<b>Biological</b>	Natural Vegetation	C
	Wildlife	C
<b>Social</b>	Blocked Access Routes	C
	Noise and Vibration	C
	Impacts on Agriculture	C
	Impacts on Irrigation Network	C
	Livestock Grazing	C
	Compensation Issues	C
	Safety Hazard	C
	Infrastructure Utilities	B
	Public Health	B
	Aesthetic Value	C
	Cultural Issues	C
	Gender Issues	C

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



<b>Overall Assessment</b>	
• Sub-project is declined	—
• Sub-project is accepted	Yes
• Sub-project is classified as environmental Category A and requires an in- depth Environmental and Social Impact Assessment and an Environmental Management Plan.	—
• 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 Environment Mitigation Plan (EMP). This will be implemented by project engineer, contractor, and PMU Environmental and Social Safeguard team.
• Sub-project is classified as environmental Category C and does not require an Environmental Management Plan.	—



**Annex-V: Field Monitoring Form:**

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

Activities	Mitigation Measures	Compliance/ Non-Compliance	Remarks
<b>Air Quality</b>	Contractor shall cover loose material when transported by vehicles.		
	To contain dust water sprinkling at least 2 times a day.		
	Dust masks will be provided to site workers		
<b>Surface Water Quality &amp; Soil Contamination</b>	Stock can be covered by plastic sheet.		
	Septic Tank and Soakage pit shall be constructed in such a way that does not leak to the downstream communities.		
	Dispose any wastes generated by construction activities in designated sites.		
	Contractor to use asbestos free cement.		
	Debagging will be done in closed compound.		
	Advised to use lead free paint		
<b>Washroom and Sewerage system provision for construction workers</b>	Washrooms will be washed at least twice a day.		
	Sanitation products will be made available for maintaining the cleanliness of washrooms.		
	One person will be assigned for ensuring the cleanliness and hygiene by the use of a cleanliness checklist.		



<b>Noise Levels</b>	Ear plugs shall be provided to the workers.		
<b>Solid Waste Disposal</b>	Make sure construction waste is disposed to municipal solid waste bin.		
	Avoid stockpiling of excess excavated soil		
	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>	Ensuring all workers are provided with and use Personal Protective Equipment like helmet, safety shoves, gloves, nose mask and ear plugs.		
	Orientation on social and environmental components for all site personnel.		
	Skilled staff shall be hired.		
<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.		

**Photo documentation of Issue Identified Above**

Issue # (from description above)	Date of photograph	Photograph depicting issue



### **Annex-VI: 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.
- 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- VII 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</b> <b>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 entering the site or requiring self-reporting prior to or on entering the site.            If a worker has symptoms of COVID-19 (e.g. fever, dry cough, fatigue) the worker should be removed</p>



	<p>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 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.</p> <p>All workers should be provided separate Accommodation.</p>



	<p>Limit the number of workers in small workspace areas such as job site elevators, trailers and vehicles, and spaces under construction if possible.</p> <p>Limit close contact with others by maintaining a distance of at least 6 feet, when possible.</p> <p>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.</p> <p>Sessions related to safety procedures, use of construction PPEs, occupational health and safety issues, and code of conduct specially privacy issues including social distancing.</p> <p>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.</p> <p>Placing posters and sign boards around the site in local languages.</p> <p>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</p> <p>Ensuring reporting of COVID-19 related cases to project GRM.</p> <p>In case of unavailability of the PPEs at site, grievance 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>



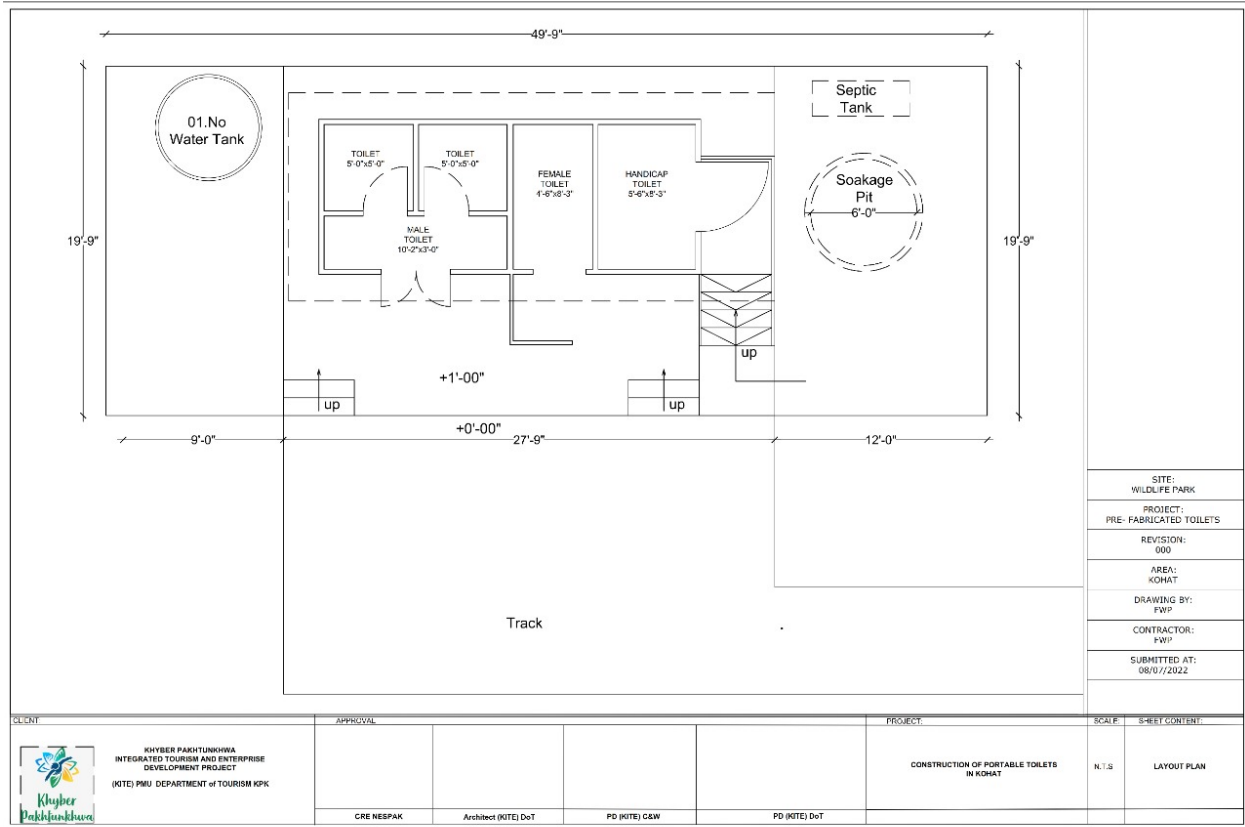
<p><b>F. Role of KITE PMU DoT</b></p>	<p>KITE DoT PMU is required to arrange regular meetings with Contractors and workforce to monitor all procedural implementation of COVID-19 prevention related mechanism. Arrange meeting with concerned DHQs for immediate support and guidance in case of emergency. Conduct regular monitoring visits and assess site Compliance against a COVID-19 Screening Checklist</p>
<p><b>Post Execution Phase</b></p>	
<p><b>A. Post Screening</b></p>	<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>
<p><b>B. Cleaning and waste disposal</b></p>	<p>All waste (PPEs and sanitation related waste) shall be disposed of properly at designated sites.</p>
<p><b>Record Keeping</b></p>	
<p><b>A. Record Keeping by Contractor</b></p>	<p>A register shall be maintained by contractor to keep record of attendance and their health status on regular basis</p>
<p><b>B. Checking by KITE PMU DoT</b></p>	<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>





**Annexure –VIII Site Pictures:  
Wildlife Park Kotal**



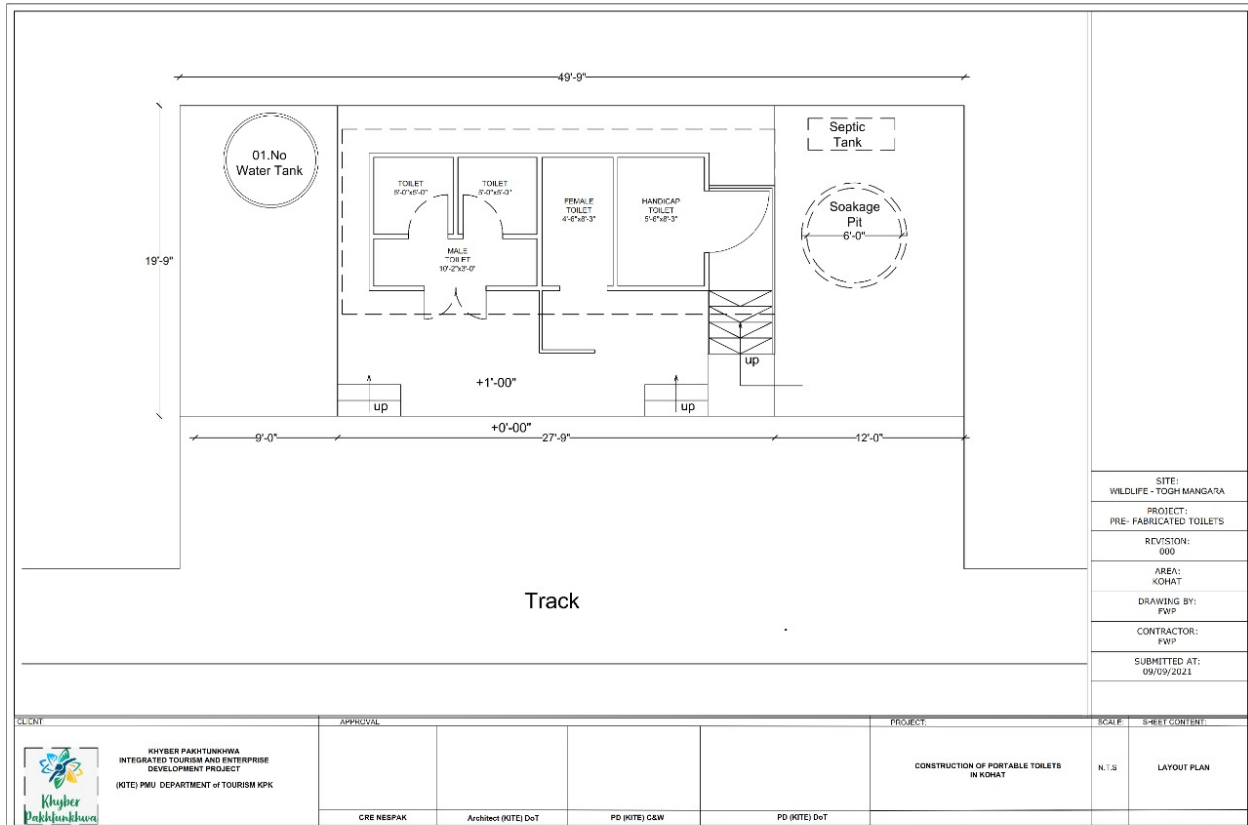






## Wildlife Park Tough Mangara:



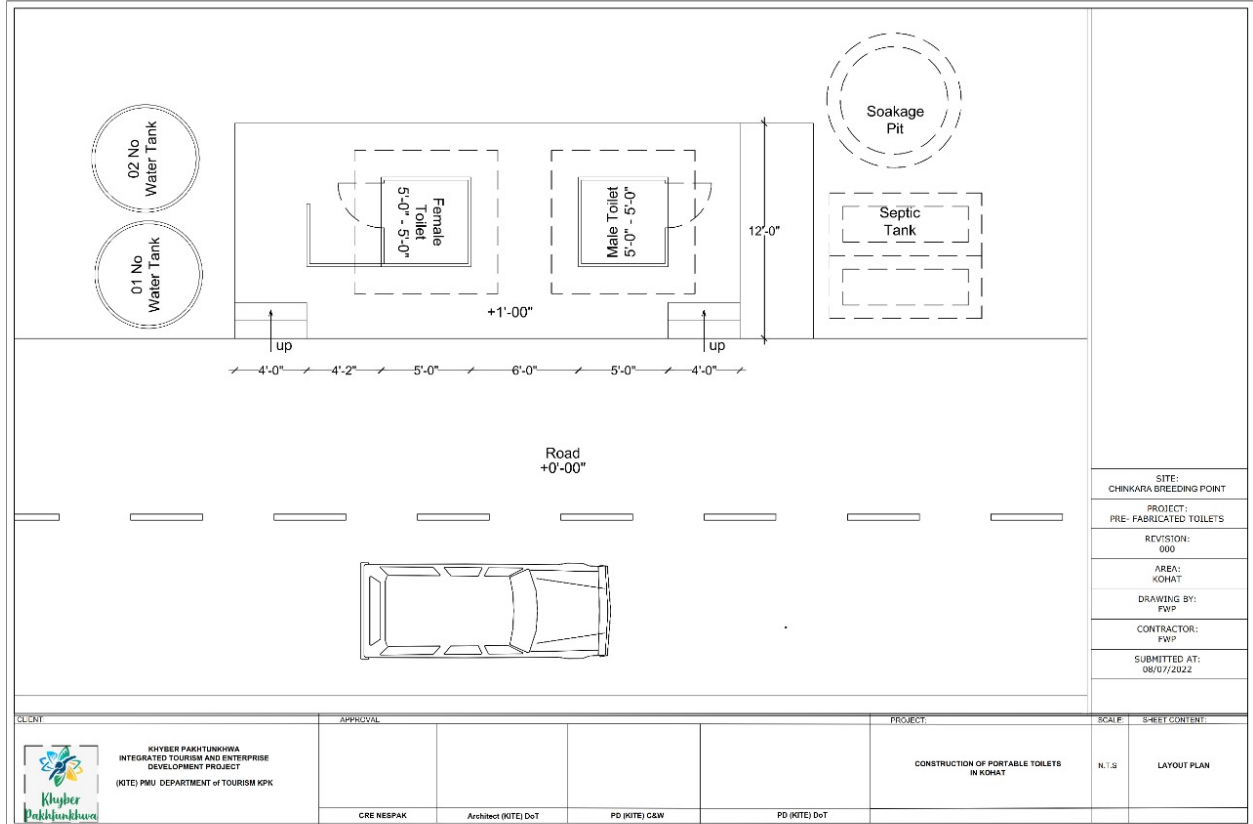






## Tough Mangara Chinkara Breeding Point:





SITE:	CHINKARA BREEDING POINT
PROJECT:	PRE- FABRICATED TOILETS
REVISION:	000
AREA:	KOHAT
DRAWING BY:	FWP
CONTRACTOR:	FWP
SUBMITTED AT:	08/07/2022

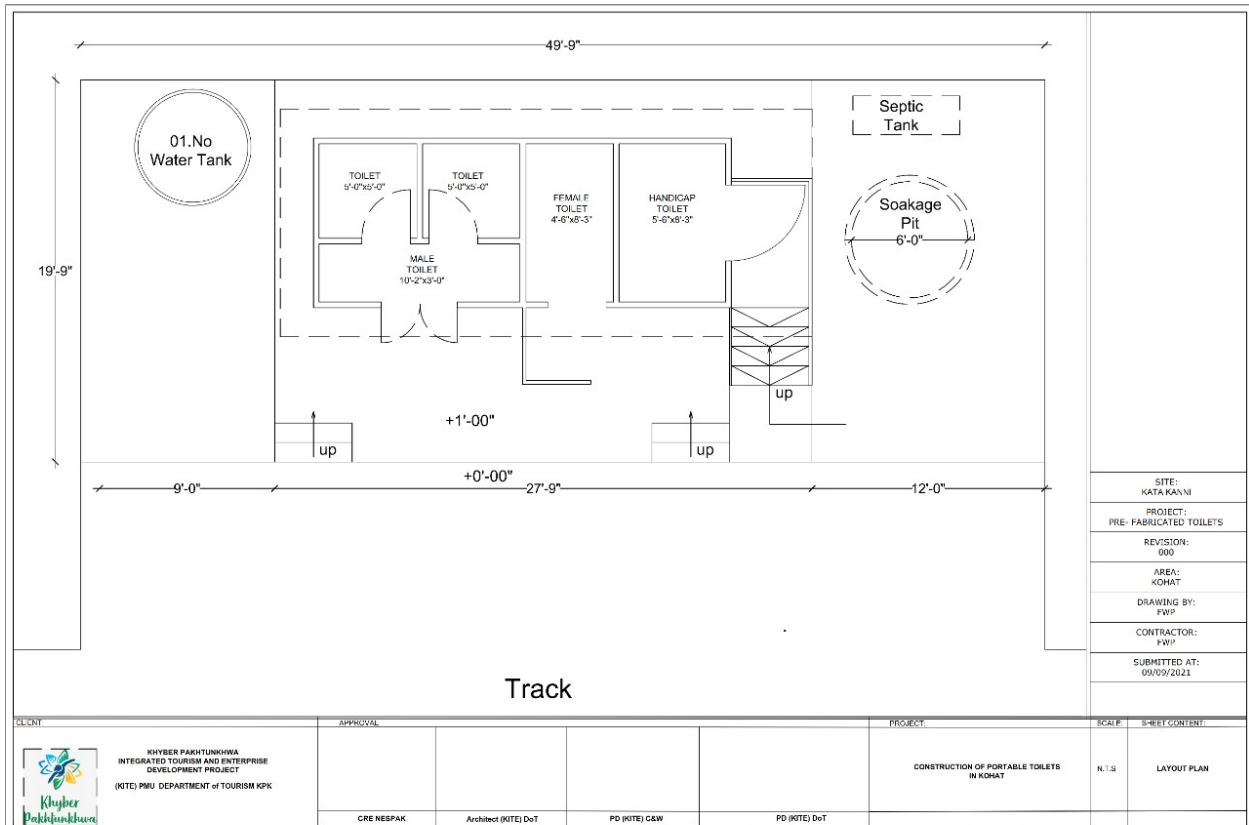
CLIENT	APPROVAL	PROJECT	SCALE	SHEET CONTENT
<p>KHYBER PAKHTUNKHWA INTEGRATED TOURISM AND ENTERPRISE DEVELOPMENT PROJECT (KITE) PMU DEPARTMENT OF TOURISM KPK</p>	<p>CRE NESPAK</p> <p>Architect (KITE) DoT</p>	<p>PD (KITE) CSW</p> <p>PD (KITE) DoT</p>	<p>CONSTRUCTION OF PORTABLE TOILETS IN KOHAT</p> <p>N:1:5</p>	<p>LAYOUT PLAN</p>





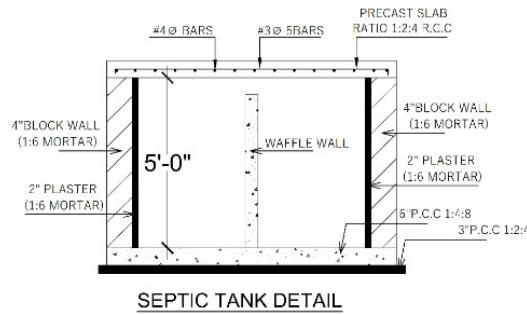
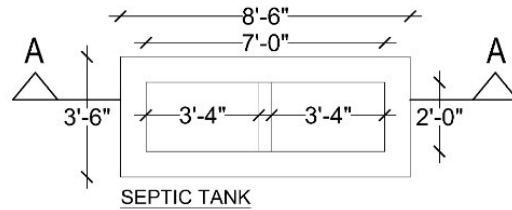
**Forest Site Kata Kani:**





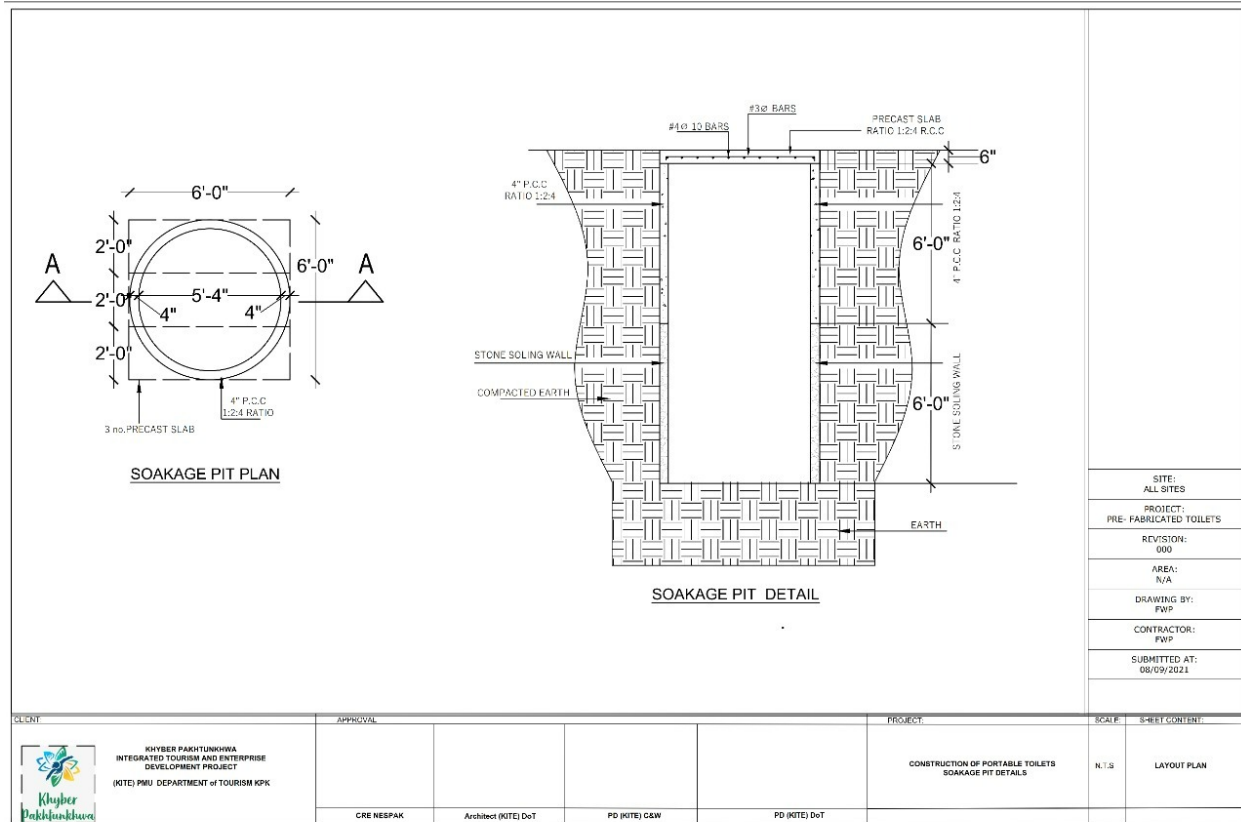


**Annexure IX: Design of Septic Tank & Soak Pit:**



SITE:	ALL SITES
PROJECT:	PRE- FABRICATED TOILETS
REVISION:	000
AREA:	N/A
DRAWING BY:	FWP
CONTRACTOR:	FWP
SUBMITTED AT:	09/09/2021

<p>KHYBER PAKHTUNKHWA INTEGRATED TOURISM AND ENTERPRISE DEVELOPMENT PROJECT (KITE) PMU DEPARTMENT OF TOURISM KPK</p>	APPROVAL			PROJECT:	SCALE:	SHEET CONTENT:
	CRE NESPAK	Architect (KITE) DoT	PD (KITE) CSW	PD (KITE) DoT	CONSTRUCTION OF PORTABLE TOILETS SEPTIC TANK DETAILS	N.T.S







## Annexure X: NOC from Forest & Wildlife Department

**OFFICE OF THE CHIEF CONSERVATOR WILDLIFE KHYBER PAKHTUNKHWA  
PESHAWAR**

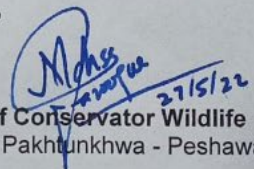
### NO OBJECTION CERTIFICATE

In response to Project Director KITE letter No F.No.PMU(KITE)/10070-72 dated 24/5/2022, and in consultation with the concerned Conservator Wildlife and Divisional Forest Officer Wildlife, and in line with provisions and powers conferred vide sub section (3) of section 29 and section 41 of Khyber Pakhtunkhwa Wildlife and Biodiversity Act, 2015, **No Objection Certificate** is hereby granted to the KITE Project for establishment, maintenance and management of the Prefab Public Toilets specified in the following table, subject to the conditions recorded below and that these amenities for public may be so made, as not to impair the object of establishment of the relevant National Park and Wildlife Park:

S. No	Name of National Park	Location	Qty/ Unit
1.	Saif-ul Malook National Park	Naran	4 Unit
2.	Malkandi National Park	Lower Kaghan	2 x 4 Unit
3.	Wildlife Park, Kotal	Kohat	4 Unit & 2 separate single unit
4.	Wildlife Park, Togh Mangara	Kohat	2 Unit
5.	Togh Mangara Breeding point	Kohat	4 Unit

**Conditions:**

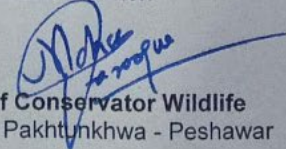
1. The existing infrastructure/wash rooms will not be disturbed and other appropriate place within the proposed site will be identified and finalized by concerned DFO Wildlife in consultation with staff of KITE Project,
2. The KITE Project will be responsible to regularly maintain and operationalize the facility,
3. The KITE Project will ensure that the washrooms are clean and hygiene standards are maintained, and
4. The KITE Project will display the contact details of operational entity so as to accommodate the suggestions and inputs of the tourists,

  
27/5/22  
**Chief Conservator Wildlife**  
Khyber Pakhtunkhwa - Peshawar

No. 10836-41 /WL-E

Copy forwarded to the following for information and necessary action:

1. PS to Secretary Forestry, Environment and Wildlife Department, Government of Khyber Pakhtunkhwa, Peshawar
2. Chief Conservator Forests, Northern Hazara Region-II, Abbottabad
3. Director General, Kaghan Development Authority (KDA) at Ghazi Kot Town Ship, Mansehra
4. Project Director KITE (Khyber Pakhtunkhwa Integrated Tourism Development Project), Peshawar
5. Conservator Wildlife, Hazara and Southern Wildlife Circle, Abbottabad & Bannu
6. Divisional Forest Officer Wildlife, Mansehra and Kohat Wildlife Division

  
**Chief Conservator Wildlife**  
Khyber Pakhtunkhwa - Peshawar