

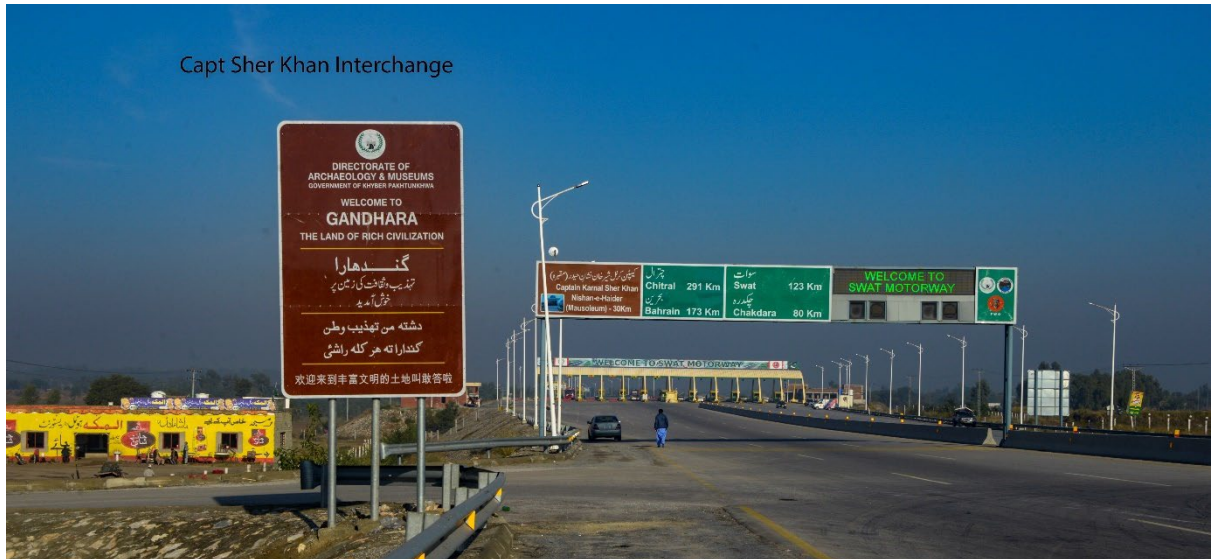
INSTALLATION OF PRE-FAB WASHROOMS IN TOURIST AREAS

Environmental Management Plan (EMP)

Malakand Division

Shamozai Bridge (Swat District),
Gabin Jabba (Swat District),
Kalam Tehsil (Swat District)
Lowari Tunnel (Chitral District)

October 2021



Project Management Unit (DoT)

Khyber Pakhtunkhwa Integrated Tourism Development
Project (KITE)



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GOVERNMENT
OF KHYBER
PAKHTUNKHWA

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

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 has been installed and installation at Kaghan valley is under process. To extend this initiative to Malakand Division initially 4 sites have been selected in Swat and Chitral districts. In case, during execution some other sites are identified than the project will follow requirements of Project ESMF, and install the prefab units after obtaining necessary clearances as per requirement.

The PMU KITE DoT will undertake the installation of these units; after installation, District Administration Swat and Lower Chitral will be responsible for Operations and Management (O&M) through their own resources or through outsourcing. KITE project will support both the entities for outsourcing of these facilities.

3. Sub-project locations:

Initially the following 4 locations at Swat and Lower Chitral have been identified.

- **Shamozai bridge** is gateway to northern parts of Khyber Pakhtunkhwa located at confluence of Swat Motorway and Dir-Chitral Road. The identified site provides a pit stop for tourist visiting either to the scenic valleys of Swat or majestic mountains of Dir and Chitral and is best suited to facility like washrooms.



- **Gabin Jabba** (means honey marshes in local Pashto language) is located approximately 65 km from Mingora. It has been recognized as most beautiful valley in Swat. Department of Tourism has already installed Camping pods here for tourism development. The identified site for installation of prefab washrooms is on main road leading to Gabin Jabba camping pods.
- **Kalam** popular tourist attraction, known for its mountains, forests and lakes. Every year thousands of tourists visit Kalam. There is much needed requirement of prefab washrooms in the area.
- **Lowari Tunnel** gateway to beautiful Chitral district. The site identified for this sub-project activity is at start of tunnel from Chitral side. Visitors often stop here for rest and breather after travelling through tough terrain. There is also a police tourist facilitation center available in the site.

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
Shamozai Bridge	34.6648° N; 72.1277° E	Feasible for set of 04 Units	No	Distt: Admn Swat
Gabin Jabba	35°09.550° N; 72°23.111° E	Feasible for set of 04 Units	No	KP CTA
Kalam Tehsil	35°.481° N; 72°.585° E	Feasible for set of 04 Units	No	Distt: Admn Swat
Lowari Tunnel, Chitral	35°21'0 N; 71°48'0° E	Feasible for set of 16 Units	No	Distt: Admn Lower Chitral/ NHA

4. Legal and Regulatory Framework:

a. 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.

b. KP Environmental Protection Act (Revised 2014):

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

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 District Administration Swat and Lower Chitral will be responsible for the regular Operations and Management (O&M) of these stations



through their own resources. PMU will provide technical support on preparation of documents for outsourcing of O&M.

6. Stakeholder Engagement:

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

a. Shamozai Bridge, Swat:

A consultation meeting was conducted with district administration, local community and business owners. The following attended:

- i. Mr. Naimat Ullah, Tahsildar Shamozai
- ii. Mr. Watan Ali, Revenue staff Swat
- iii. Mr. Yaman Khan, local community member
- iv. Mr. Hameed Ullah, local community member
- v. Mr. Sajjad khan, rep of contractor

The consultation involved briefing about the proposed installation of prefab toilets for tourist facilitation. Tehsildar Shamozai 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.

a. Gabin Jabba, Swat:

This consultation session was attended by the following:

- i. Mr. Syed Amin Tahsildar Matta
- ii. Mr. Saeed Shah, local resident
- iii. Mr. Zahir Shah, rep of local hotel owners
- iv. Mr. Qasim Khan, local community member



- v. Mr. Afzal Khan, Shop Keeper
- vi. Mr. Rasheed Ahmad, local transporter

The participants of the consultation appreciated the initiative and suggested the following to be considered during implementation:

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

b. Kalam Tehsil Office, Swat:

Consultative session at Kalam Tehsil Office was conducted under the chair of AC Kalam.

The following attended:

- i. Mr. Hidayatullah AC Kalam
- ii. Mr. Hamayun Tahsiddar Kalam
- iii. Mr. Meraj Khan, local resident
- iv. Mr. Zahoor Khan, rep of local hotel owners
- v. Mr. Sohail, rep of contractor
- vi. Mr. Ijaz ahmad, Visitor
- vii. Mr. Waqar Khan, Visitor
- viii. Mr. Asim Khan, Visitor

The consultation involved briefing about the proposed installation of prefab toilets for tourist facilitation. Tehsildar Shamozaï 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:

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



c. Lowari Tunnel, Lower Chitral:

Consultative session installation of prefab toilets at Lowari Tunnel Lower Chitral was conducted under the chair of AC Drosh. The following attended

- i. Mr. Abdul Haq, AC Drosh
- ii. Mr. Asad Shah, local community member
- iii. Mr. Fahad Hussain, visitor
- iv. Mr. Kifayat Khan, visitor
- v. Mr. Gul jan, duty police officer

The consultation involved briefing about the proposed installation of prefab toilets for tourist facilitation. The local hotel rep and other local welcomed the initiative and suggested the following to be considered during implementation:

- Keeping in view the tourist influx at least 12 separate units for male, female and PWDs are required.
- 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 Malakand Division

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 Distt: administration	Distt: Admn Swat & Chitral/ DoT	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"> 1. Archaeological assessment of the archaeological potential of the site. 2. A Chance Find Mechanism has been developed (Annex-VI) 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. 	<ol style="list-style-type: none"> 1. DoT 2. DOAM 	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"> 1. Contractor shall cover loose material when transported. 2. Contractor shall spray water on the dusty areas at least 2 times a day. 3. Dust masks will be provided to site workers. 	Construction Contractor	E&S Expert KITE PMU DoT	5000
Surface water quality & Soil contamination	<ol style="list-style-type: none"> 1. Construction activities can have raw materials or construction materials. 2. Lubricants/ paint during construction works can contaminate nearby surface water quality. 3. Creation of stagnant water bodies in borrows pits, quarries, etc., encouraging for mosquito breeding and other disease 	<ol style="list-style-type: none"> 1. Stock can be covered by plastic sheet. 2. Septic Tank and Soakage pit shall be constructed in such a way that does not leak to the downstream communities. 3. Dispose any wastes generated by construction activities in designated sites. 4. Contractor to use asbestos free cement. 5. Debugging will be done in closed compound. 	Construction Contractor	KITE PMU DoT	40,000



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
	vectors. 4. Use of chemicals or solvents.	6. Advised to use lead free paint. 7. PPEs to be provided to workers during on-site work.			
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.	1. Adjacent to subproject sites govt buildings are present with washrooms. these washrooms will be utilized by the site workers. 2. The washrooms will be washed at least twice a day. 3. Sanitation products will be made available for maintaining the cleanliness of washrooms. 4. One person will be assigned for ensuring the cleanliness and hygiene by the use of a cleanliness checklist.	Contractor	KITE PMU DoT	20,000



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
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"> 1. Make sure construction waste is disposed to municipal solid waste bin. 2. Proper disposal of solid waste in designated site to sustain the water and land quality for domestic requirements. 3. Use of PPEs (protective gloves, face masks, protective boots) by the workers involved in handling and management of all kinds of waste. 4. Avoid stockpiling of excess excavated soils. 	Construction Contractor	KITE PMU DoT	30,000
Socio- Economic - Employment	Generation of contractual employment and increase	<ol style="list-style-type: none"> 1. Employ local persons within the 2-km immediate area (if 	Construction Contractor	KITE PMU DoT	NA



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
	in local revenue	<ul style="list-style-type: none"> manpower is available). 2. Secure construction material from local market (if available). 			
Accessibility	Traffic problems near project locations	<ul style="list-style-type: none"> 1. Coordinate with Traffic Police and local authorities for short term management. 2. Notify affected person from vehicles by providing sign boards informing nature and duration of construction works and contact numbers for concerns/ complaints. 3. Maintain GRM register on site. 	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	<ul style="list-style-type: none"> 1. Earthquake resistant features like frame structure, prefab material are already included as part of design. 2. Earth quake engineering designing and training for 	Construction Contractor	KITE PMU DoT	N.A



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
		contractor before 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"> 1. Ensuring all workers are provided with and use Personal Protective Equipment like helmet, safety shoes, gloves, nose mask and ear plugs 2. Orientation on social and environmental components for all site personnel. 3. Skilled staff shall be hired. 	Construction Contractor	KITE PMU DoT	As above
Covid SOPs		<ol style="list-style-type: none"> 1. Covid SOPs will be strictly adhered to during work. 2. Contract to provide PPEs, hand sanitizers etc to workers. 	Construction Contractor	KITE PMU DoT	As above
Grievance Redressal	Public grievances related to environment and social aspects	<ol style="list-style-type: none"> 1. Maintain a complaint register on site. 2. Identify and appropriately respond to impacts on directly affected persons to 	Construction Contractor	KITE PMU DoT	NA



Activity	Anticipated Impact	Mitigation Measures	Responsible for Mitigation	Monitoring by	Mitigation Budget
		ensure legal compliance and meet moral / ethical obligations. 3. Distribute GRM awareness leaflets 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.	District Administration Swat and Lower Chitral to develop and implement operation and maintenance (O&M) plans	District Administration Swat & Lower Chitral	PMU KITE DoT
Solid Waste Disposal	Usage of prefab toilets by tourists will create solid waste	<ol style="list-style-type: none"> All solid waste (including pampers, nappies etc) generated from toilets will be disposed by Distt: Admn/ TMA staff in designated sites. Similarly, all waste water will be disposed in soak pit. Proper disposal of solid waste in designated site to sustain the water and land quality for domestic requirements. Use of PPEs (protective gloves, face masks, protective boots) by the workers involved in handling and management of all kinds of waste. 	District Administration Swat & Lower Chitral	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
Air Quality	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.			
Surface Water Quality & Soil Contamination	Stock can be covered by plastic sheet.	Daily Basis through visual monitoring	Contractor	EMP Coordinators PMU KITE
	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.			



	<p>Debagging will be done in closed compound.</p> <p>Advised to use lead free paint</p>			
Washroom and Sewerage system provision for construction workers	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.			
	One person will be assigned for ensuring the cleanliness and hygiene by the use of a cleanliness checklist.			
Noise Levels	Ear plugs shall be provided to the workers.	During construction	Contractor	EMP Coordinators PMU KITE
Solid Waste Disposal	<ol style="list-style-type: none"> 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 	During construction	Contractor	EMP Coordinators PMU KITE



	involved in handling and management of all kinds of waste.			
	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.			
Occupational Health and Safety	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	Contractor	EMP Coordinators PMU KITE
	Orientation on social and environmental components for all site personnel.	Orientation of personnel at start of construction		
	Skilled staff shall be hired			
Grievance Redressal	Maintain a complaint register on site.	During site visit by E&S team	Contractor	EMP Coordinators PMU KITE
	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.			
Covid SOPs	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 Distt. Administration 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 Shamozai Bridge (Swat District), Gabin Jabba (Swat District), Kalam Tehsil (Swat District) Lowari Tunnel (Chitral District)					
Description of Training	Training Module	Location	Participants	Frequency	Budget
One day training on Implementation of EMP	<ul style="list-style-type: none"> Implementation of EMP Detail about Mitigation Measures proposed in EMP O&M of Pre-fab Washroom GRM Monitoring and reporting 	One in PMU and one at each sub-project site	Contractor	Before start of Construction	40,000
One day Training on Appropriate personal	<ul style="list-style-type: none"> What is the purpose of PPE? 	PMU KITE Peshawar	Contractor	At the start of Construction	5000



protective equipment (PPE) and First Aid	<ul style="list-style-type: none"> • How important to use PPE? • How to use PPE? • First Aid • EHS aspects • 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. **131,000/-**. After installation of prefab washrooms all sites will be handed over to concerned Distt: Administration for operations, hence, all O&M will be borne by them through its own annual budget. PMU has discussed this with district administration, and they ensured PMU they keep the budget in their annual action plan for the succeeding years.

Monitoring of O&M of Toilets: E&S Expert PMU KITE will do monitoring visits in this regard. KITE project will facilitate Galiyat Development Authority in hiring the O&M firm by reviewing the TORs and also the related documents which include provisions for bidding documents. 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. The outsourcing to private parties for bids will be carried, when it will be in operation. O&M arrangements should be in place before toilets are opened to tourists.



Annexure-I: Environmental and Social Screening Checklist

Environmental and Social Screening Checklist (E&S Screening) Shamozai Bridge District Swat

S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
A	Zoning and Land Use Planning					
1.	Will the subproject affect land use zoning and planning or conflict with prevalent land use patterns?	X	-	-	-	Since this site is owned by Distt: Administration Swat 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	Utilities and Facilities					
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					
C	Water and Soil Contamination					
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"> • Use asbestos free cement. • Do debagging in a closed compound.
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.
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"> • Use lead free paint,



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<ul style="list-style-type: none"> • Make sure that proper PPE be provided to each worker on site, • Store the chemicals in enclosed stockroom (if required).
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"> • regular cleaning of site, • Refilling of borrow pits after completion of work will be ensured.
D	Noise and Air Pollution Hazardous Substances					
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	-	-	-	
E	Fauna and Flora					
1.	Will the subproject involve the disturbance or modification of existing drainage channels (rivers, canals) or	X	-	-	-	



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	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	-	-	-	
F	Destruction/Disruption of Land and Vegetation					
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	-	-	-	



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
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	-	-	-	
G	Cultural Property					
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	-	-	-	
H	Expropriation and Social Disturbance					
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	-	-	-	



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
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 Distt: Administration Swat
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	-	-	This site is at junction of Swat – Dir road thus provides as first stop for tourists going to Swat or Dir/Chitral.
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. Kalam Dev. Authority 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	-	
Potential impacts				
Land (quantify and describe types of land in “remarks column”).				This activity will be carried out on Distt: Administration Swat land.
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	This activity will be carried out on Distt: Administration Swat land.
Private land				
➤ Residential	-	X	-	
➤ Commercial	-	X	-	
➤ Agriculture	-	X	-	
➤ Communal	-	X	-	
➤ Others (specify in “remarks”).	-	X	-	
Land-based assets:	-	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	-	
Agriculture related impacts	-	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	-	
Affected Persons (DPs)	-	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	-	
Section 2	-	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

Activities		Category
Physical	Soil Erosion/ Contamination	C
	Air Quality	C
	Surface Water Quality	B
	Groundwater Quality	C
	Water Availability and Consumption	C
Biological	Natural Vegetation	C
	Wildlife	C
Social	Blocked Access Routes	C
	Noise and Vibration	C
	Impacts on Agriculture	B
	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.



Overall Assessment	
• 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) Gabin Jabba District Swat

S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
A	Zoning and Land Use Planning					
1.	Will the subproject affect land use zoning and planning or conflict with prevalent land use patterns?	X	–	–	–	Since this site is owned by CTA therefore the activity will not affect any land use pattern.
2.	Will the subproject involve significant land disturbance or site clearance?	-	X	–	–	Dismantling some portion of wall.
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	Utilities and Facilities					
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	–	–	–	
C	Water and Soil Contamination					



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"> • Use asbestos free cement. • Do debagging in a closed compound.
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.
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:



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<ul style="list-style-type: none"> • Use lead free paint, • Make sure that proper PPE be provided to each worker on site, • Store the chemicals in enclosed stockroom (if required).
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"> • regular cleaning of site, • refilling of borrow pits after completion of work will be ensured.
D	Noise and Air Pollution Hazardous Substances					
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.



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
3.	Will the subproject involve the storage, handling or transport of hazardous substances?	X	-	-	-	
E	Fauna and Flora					
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	-	-	-	
F	Destruction/Disruption of Land and Vegetation					
1.	Will the subproject lead to unplanned use of the infrastructure being developed?	X	-	-	-	
2.	Will the subproject lead to long-term or semi- permanent destruction of soils in cleared areas not suited for agriculture?	X	-	-	-	



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
3.	Will the subproject lead to the interruption of subsoil and overland drainage patterns (in areas of cuts and fills)?	X	-	-	-	
4.	Will the subproject lead to landslides, slumps, slips and other mass movements in road cuts?	X	-	-	-	
5.	Will the subproject lead to erosion of lands receiving concentrated outflow carried by covered or open drains?	X	-	-	-	
6.	Will the subproject lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	X	-	-	-	
G	Cultural Property					
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	-	-	-	
H	Expropriation and Social Disturbance					
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	X	-	-	-	



GOVERNMENT
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**INTEGRATED TOURISM
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PROJECT MANAGEMENT UNIT (DoT)

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

S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
	causing social and economic disruption?					
3.	Will the subproject lead to environmental and social disturbance by construction camps?	X	-	-	-	
4.	Will the sub- project require of tree cutting, if yes how many, location, pictures	X	-	-	-	



Environmental and Social Screening (Site Related Issues) Gabin Jabba

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 KP CTA.
2.	Does the subproject negatively impact livelihoods [Note: Describe separately if YES]	-	X	-	
3.	Is the sub project located on land with contested ownership?	-	X	-	
4.	Is the sub project located in an area with security problems	-	X	-	
5.	Is the sub projected located on land reclaimed from floods (the ownership here may be contested)	-	X	-	
6.	Is the subproject located in an area with designated natural reserves?	-	X	-	
7.	Is the subproject located in an area with unique natural features?	-	X	-	
8.	Is the subproject located in an area with endangered or conservation-worthy ecosystems, fauna or flora?	-	X	-	
9.	Is the subproject located in an area which would create a barrier for the	-	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	-	-	This site is near Gabin Jabba tourist site and is best suited for this facility visiting the area.
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. Distt: Admn Swat 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	-	
Potential impacts				
Land (quantify and describe types of land in “remarks column”).				This activity will be carried out on KP CTA land.
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	This activity will be carried out on KP CTA land.
Private land				
➤ Residential	-	X	-	
➤ Commercial	-	X	-	
➤ Agriculture	-	X	-	
➤ Communal	-	X	-	
➤ Others (specify in “remarks”).	-	X	-	
Land-based assets:	-	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	-	
Agriculture related impacts	-	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	-	
Affected Persons (DPs)	-	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	-	
Section 2	-	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

Activities		Category
Physical	Soil Erosion/ Contamination	C
	Air Quality	C
	Surface Water Quality	B
	Groundwater Quality	C
	Water Availability and Consumption	C
Biological	Natural Vegetation	C
	Wildlife	C
Social	Blocked Access Routes	C
	Noise and Vibration	C
	Impacts on Agriculture	B
	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.



Overall Assessment	
• 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- III: Environmental and Social Screening Checklist (E&S Screening) Kalam Tehsil District Swat

S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
A	Zoning and Land Use Planning					
1.	Will the subproject affect land use zoning and planning or conflict with prevalent land use patterns?	X	–	–	–	Since this is Distt: Administration Swat 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	Utilities and Facilities					
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	–	–	–	
C	Water and Soil Contamination					



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, 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"> • Use asbestos free cement. • Do debagging in a closed compound.
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.
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:



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<ul style="list-style-type: none"> • use lead free paint • make sure that proper PPE be provided to each worker on site • store the chemicals in enclosed stockroom (if required).
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.
D	Noise and Air Pollution Hazardous Substances					
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	-	-	-	



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
E	Fauna and Flora					
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	–	–	–	
F	Destruction/Disruption of Land and Vegetation					
1.	Will the subproject lead to unplanned use of the infrastructure being developed?	X	–	–	–	
2.	Will the subproject lead to long-term or semi-permanent destruction of soils in cleared areas not suited for agriculture?	X	–	–	–	



S/No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
3.	Will the subproject lead to the interruption of subsoil and overland drainage patterns (in areas of cuts and fills)?	X	-	-	-	
4.	Will the subproject lead to landslides, slumps, slips and other mass movements in road cuts?	X	-	-	-	
5.	Will the subproject lead to erosion of lands receiving concentrated outflow carried by covered or open drains?	X	-	-	-	
6.	Will the subproject lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	X	-	-	-	
G	Cultural Property					
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	-	-	-	
H	Expropriation and Social Disturbance					



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) Kalam

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 Distt: Administration Swat.
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	-	-	Kalam is a famous tourist spot where thousands of tourist visits to see the lush green valley and enjoy towering water falls.
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. Kalam Dev. Authority 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	-	
Potential impacts				
Land (quantify and describe types of land in “remarks column”.				This activity will be carried out on Distt: Administration Swat land.
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	This activity will be carried out on Distt: Administration Swat 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		
Land-based assets:	-	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	-	
Agriculture related impacts	-	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	-	
Affected Persons (DPs)	-	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	-	
Section 2	-	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

Activities		Category
Physical	Soil Erosion/ Contamination	C
	Air Quality	C
	Surface Water Quality	B
	Groundwater Quality	C
	Water Availability and Consumption	C
Biological	Natural Vegetation	C
	Wildlife	C
Social	Blocked Access Routes	C
	Noise and Vibration	C
	Impacts on Agriculture	B
	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.



Overall Assessment	
• 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) Lowari Tunnel District Lower Chitral

S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
A	Zoning and Land Use Planning					
1.	Will the subproject affect land use zoning and planning or conflict with prevalent land use patterns?	X	-	-	-	Since this is Distt: Admn Chitral 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	Utilities and Facilities					
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	-	-	-	
C	Water and Soil Contamination					
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



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						glass, crush, cement, steel will be used as per requirement. As mitigation measure contractor will be advised to: <ul style="list-style-type: none"> • Use asbestos free cement. • Do debagging in a closed compound.
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.
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"> • Use lead free paint,



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
						<ul style="list-style-type: none"> Make sure that proper PPE be provided to each worker on site, Store the chemicals in enclosed stockroom (if required).
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.
D	Noise and Air Pollution Hazardous Substances					
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	-	-	-	
E	Fauna and Flora					
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	-	-	-	
F	Destruction/Disruption of Land and Vegetation					
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	-	-	-	



S. No	Issues	None	Minor/ Small	Moderate/ Medium	Significant / Large	Remarks
6.	Will the subproject lead to health hazards and interference of plant growth adjacent to roads by dust raised and blown by vehicles?	X	-	-	-	
G	Cultural Property					
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	-	-	-	
H	Expropriation and Social Disturbance					
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) Lowari Tunnel

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 Distt: Administration lower Chitral.
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	–	–	Lowari Tunnel is connecting point of Chitral to other parts of country. It is a fascinating tourist spot and perfect place for installation of this facility.



S. No	Issues	Yes	No	Don't Know	Remarks/ Mitigation Measures
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. 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) Lowari Tunnel

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	-	
Potential impacts				
Land (quantify and describe types of land in “remarks column”.				This activity will be carried out on Distt: Administration Lower Chitral land.
Government or state owned land free of occupation (agriculture or settlement)	X	-	-	This activity will be carried out on Distt: Administration Lower Chitral land.
Private land				
➤ Residential	-	X	-	
➤ Commercial	-	X	-	
➤ Agriculture	-	X	-	
➤ Communal	-	X	-	
➤ Others (specify in “remarks”).	-	X	-	
Land-based assets:	-	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	-	
Agriculture related impacts	-	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	-	
Affected Persons (DPs)	-	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	-	
Section 2	-	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

Activities		Category
Physical	Soil Erosion/ Contamination	C
	Air Quality	C
	Surface Water Quality	B
	Groundwater Quality	C
	Water Availability and Consumption	C
Biological	Natural Vegetation	C
	Wildlife	C
Social	Blocked Access Routes	C
	Noise and Vibration	C
	Impacts on Agriculture	B
	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.



Overall Assessment	
• 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:

Title of project	
Contractor's Name	
Monitoring Date	
Monitor's Name & Designation	

Activities	Mitigation Measures	Compliance/ Non-Compliance	Remarks
Air Quality	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		
Surface Water Quality & Soil Contamination	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.		
Washroom and Sewerage system provision for construction workers	Advised to use lead free paint		
	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.		



Noise Levels	Ear plugs shall be provided to the workers.		
Solid Waste Disposal	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.		
Occupational Health and Safety	Ensuring all workers are provided with and use Personal Protective Equipment like helmet, safety shoes, gloves, nose mask and ear plugs.		
	Orientation on social and environmental components for all site personnel.		
	Skilled staff shall be hired.		
Grievance Redressal	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.		
Covid SOPs	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
Pre- Execution Phase	
A. Profile preparation	<ul style="list-style-type: none"> ➤ Detail profile of project workforce ➤ Enlist the names, addresses and contact # ➤ Breakdown of the workforce (workers from local community and those who have on site accommodation) ➤ Assigning the task against each person ➤ Schedule the key activities and their duration at site. ➤ Identifying all workers who are initially at more risk of contracting Covid-19
B. Initial Screening C. Identification of Local Medical Services	<ul style="list-style-type: none"> ➤ All enlisted workforce should go through initial screening process ➤ Record keeping against initial screening ➤ Identifying all workers who are initially at more risk of contracting Covid-19. ➤ 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.
During Execution Phase	
A. Preliminary Screening	<p>1. Regular Screening: 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>2. Sequential Screening:</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. Special Arrangements regarding PPEs</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>C. Restricted Movement/ Demobilization of staff</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>D. Training sessions</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>E. Operationalization of Grievance Redress Mechanism</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&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&WD, the telephone number of PMU KITE C&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>

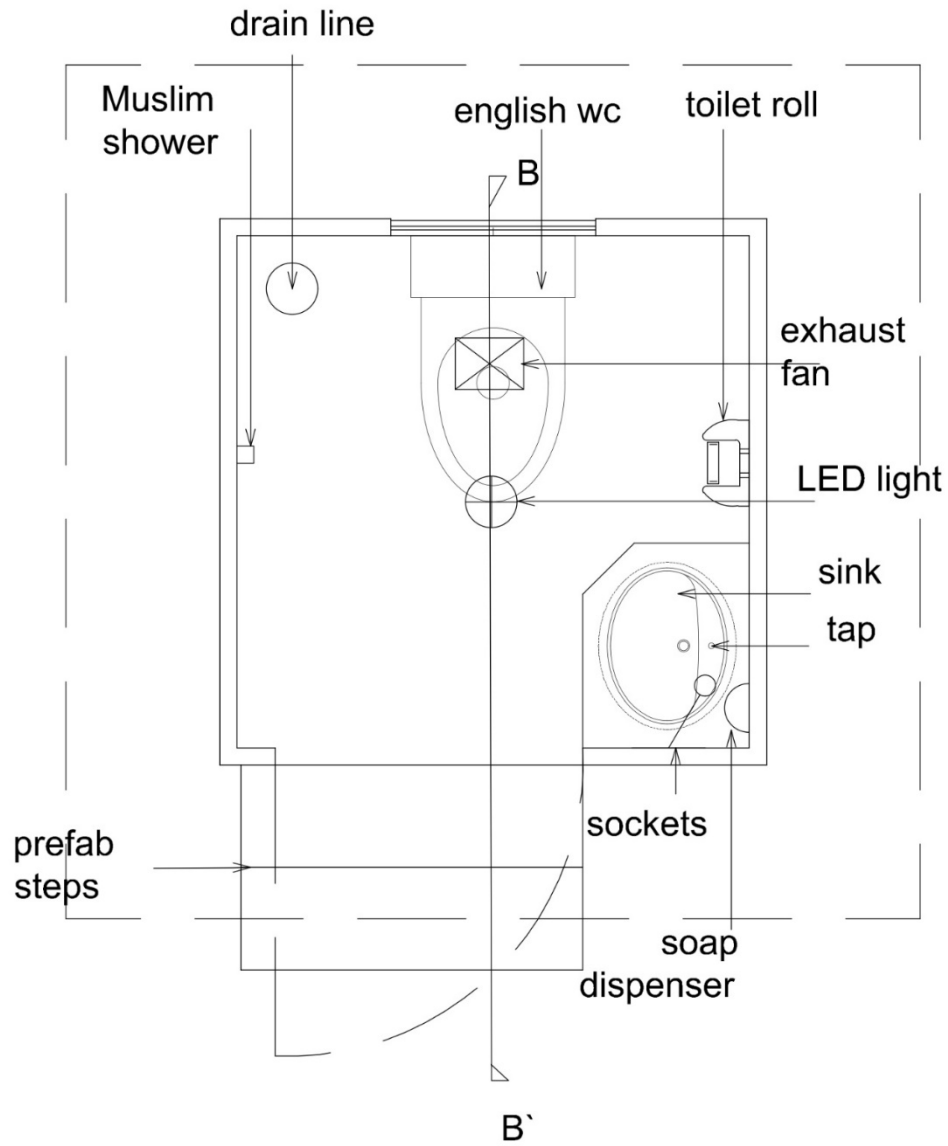


<p>F. Role of KITE PMU DoT.</p>	<p>KITE DoT PMU is required to arrange regular meetings with Contractors and workforce to monitor all procedural implementation of COVID-19 prevention related mechanism. Arrange meeting with concerned DHQs for immediate support and guidance in case of emergency. Conduct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



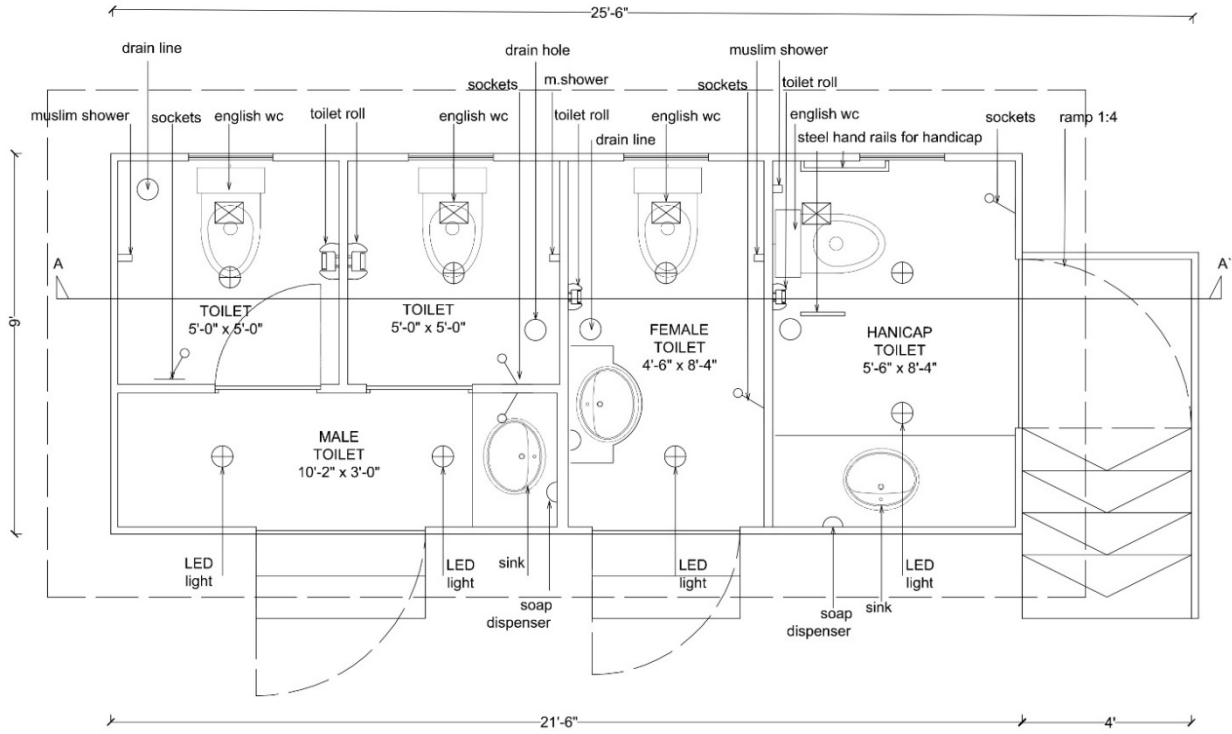
Annexure –VIII Architectural Plans & Drawings:

PLAN



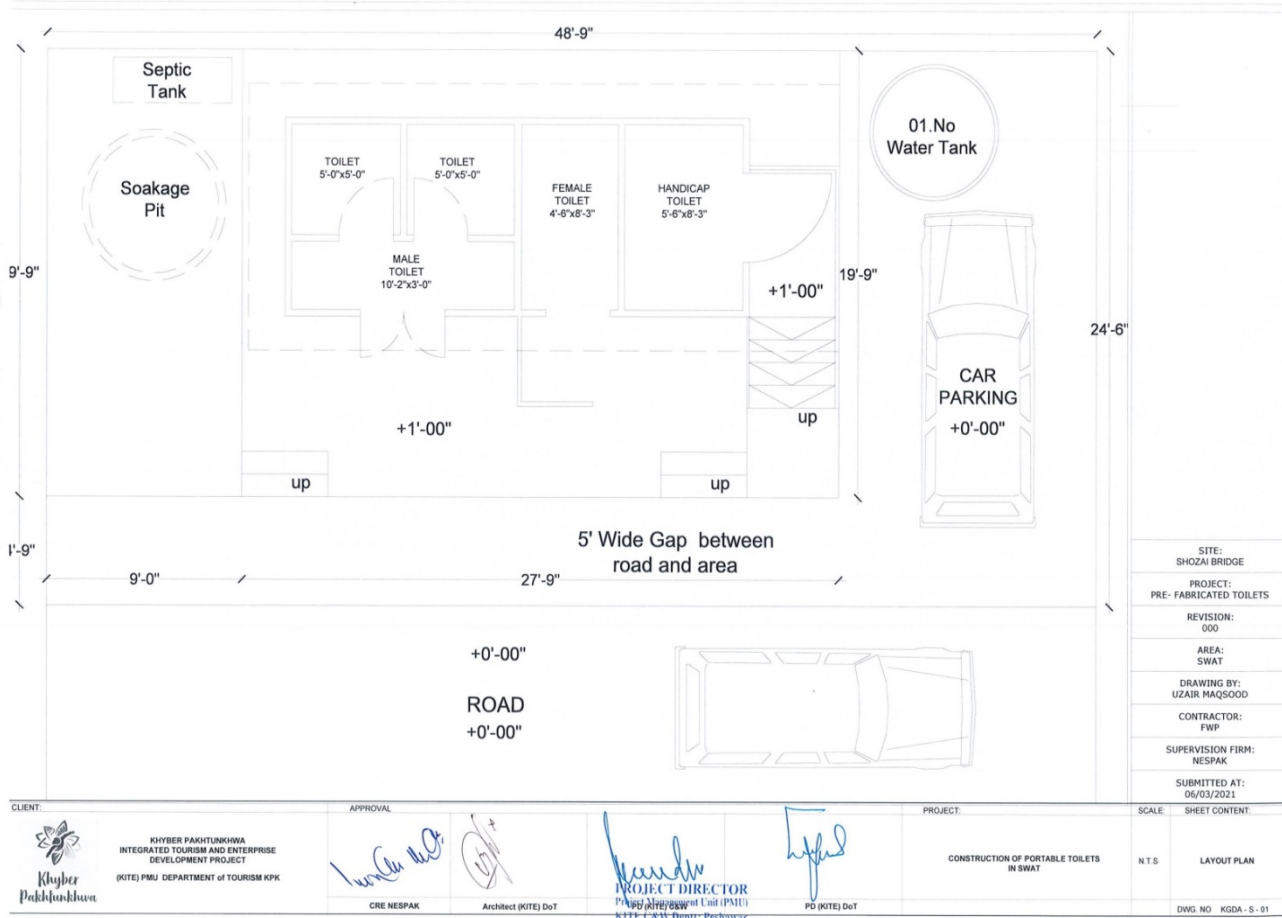


PLAN
4 TOILET 1 UNIT





Shamozai Bridge:



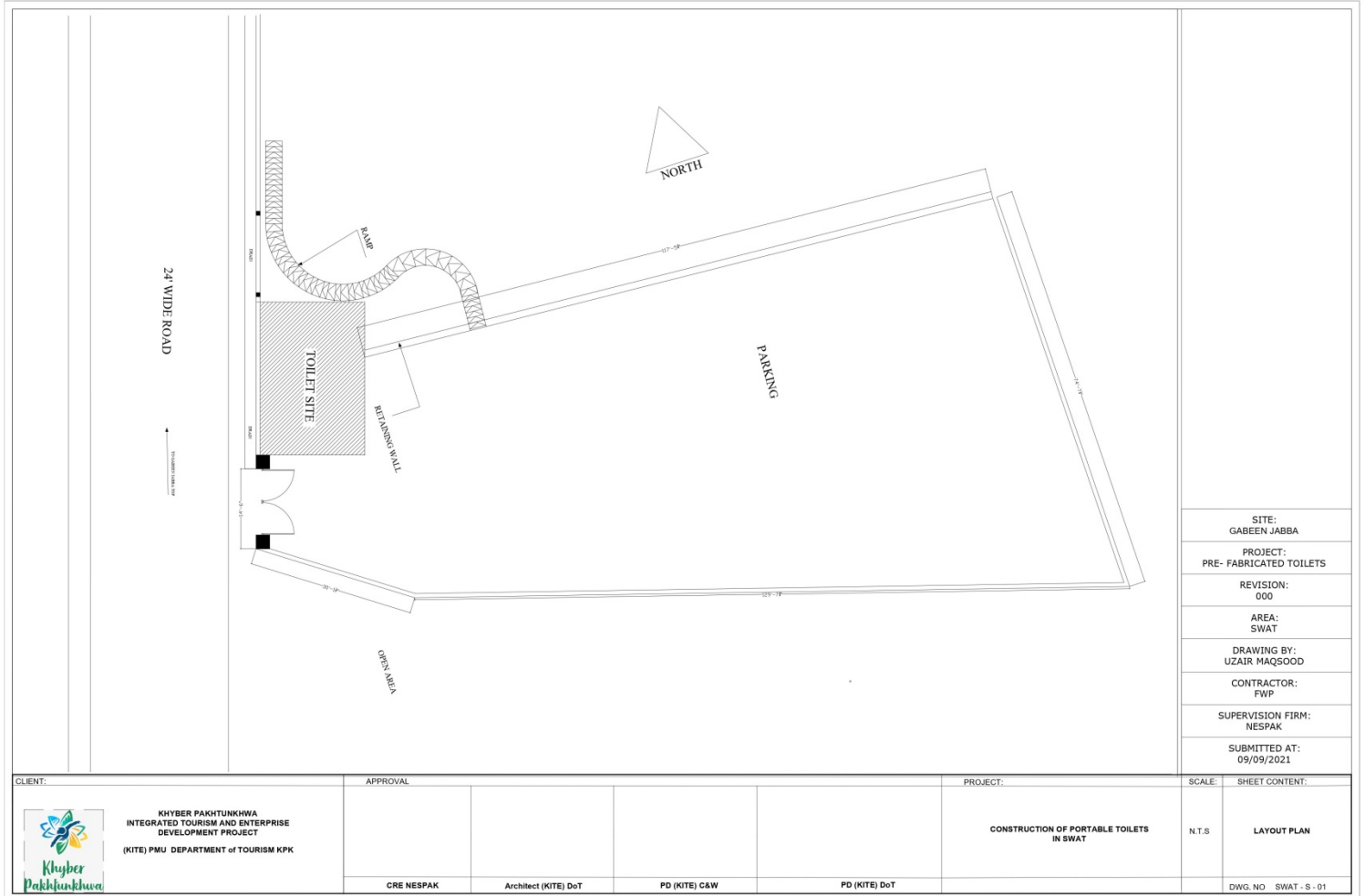


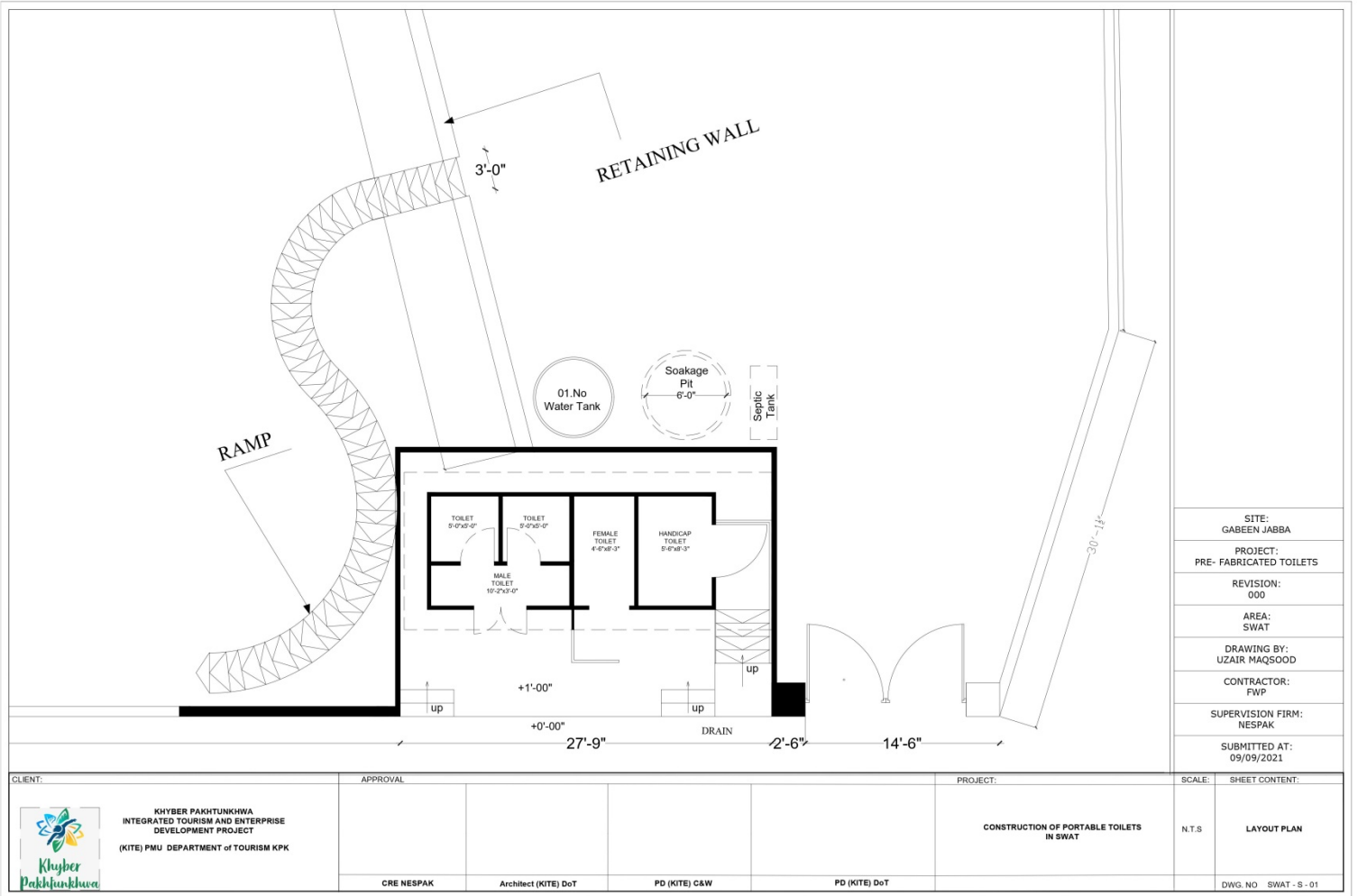
Shamozai Bridge





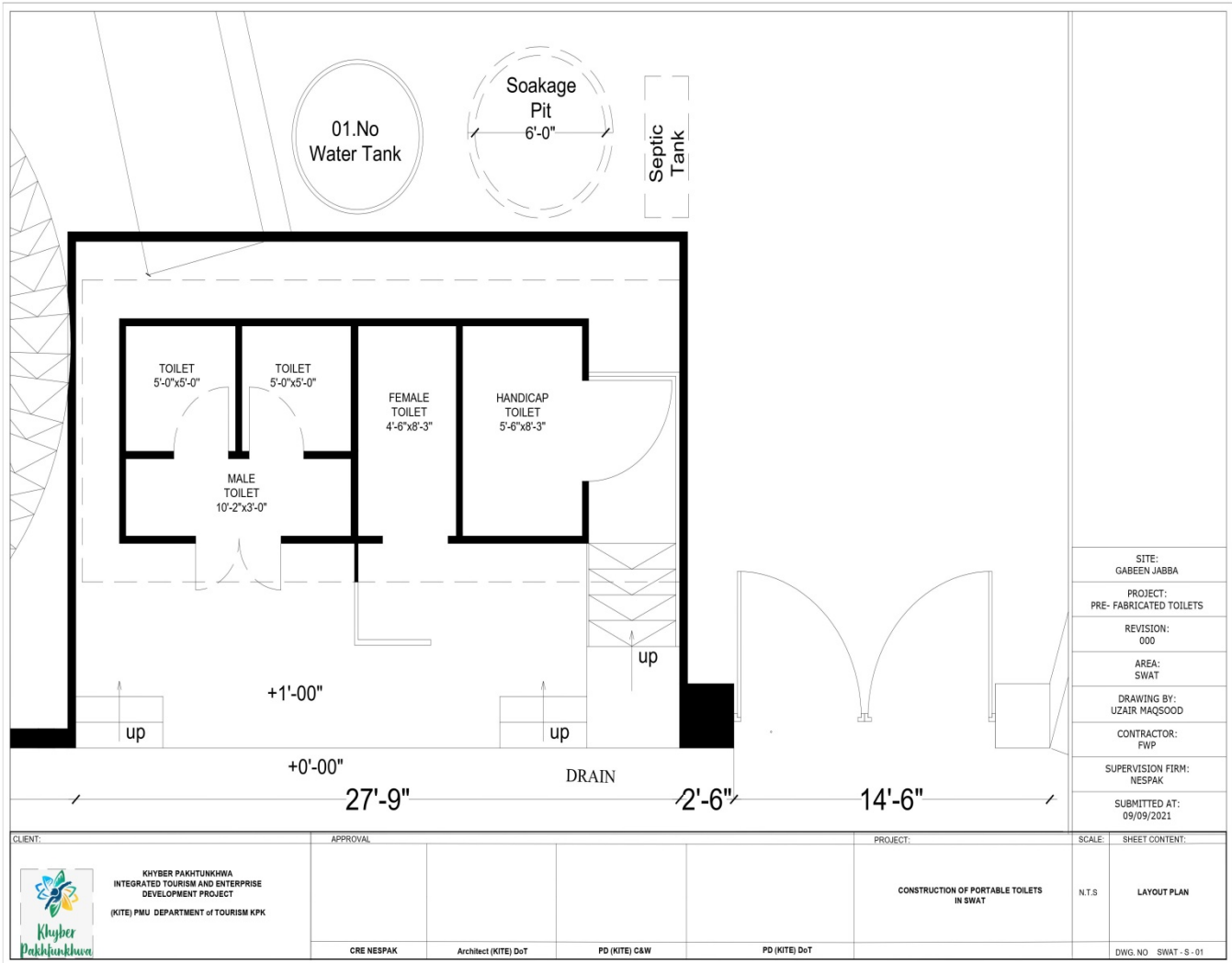
Gabin Jabba Swat:





SITE:	GABEEN JABBA
PROJECT:	PRE- FABRICATED TOILETS
REVISION:	000
AREA:	SWAT
DRAWING BY:	UZAIR MAQSOOD
CONTRACTOR:	FWP
SUPERVISION FIRM:	NESPAK
SUBMITTED AT:	09/09/2021

CLIENT:	APPROVAL:	PROJECT:	SCALE:	SHEET CONTENT:
<p>KHYBER PAKHTUNKHWA INTEGRATED TOURISM AND ENTERPRISE DEVELOPMENT PROJECT (KITE) PMU DEPARTMENT OF TOURISM KPK</p>		CONSTRUCTION OF PORTABLE TOILETS IN SWAT	N.T.S	LAYOUT PLAN
	CRE NESPAK			



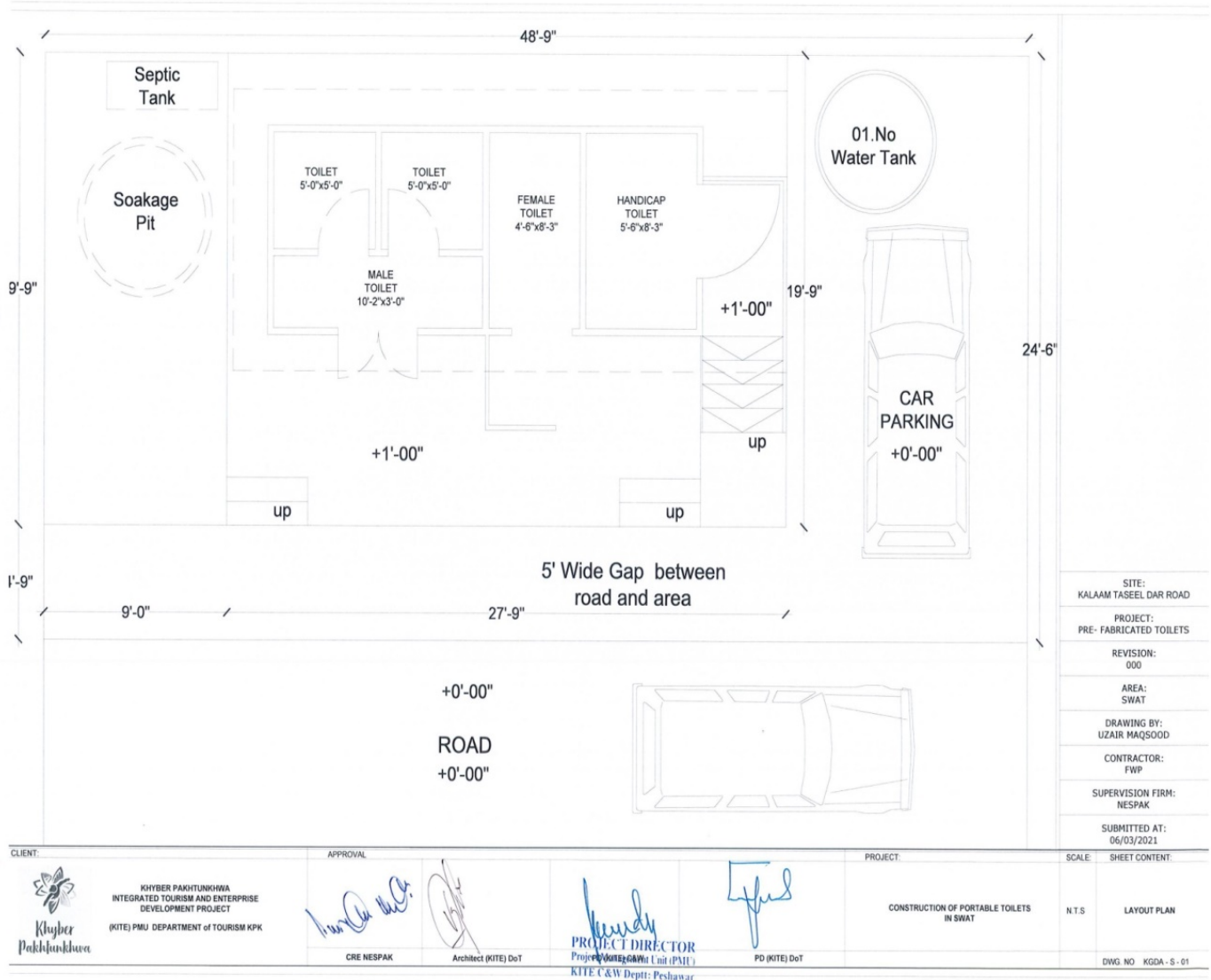


Gabin Jabba





Kalam Tehsil



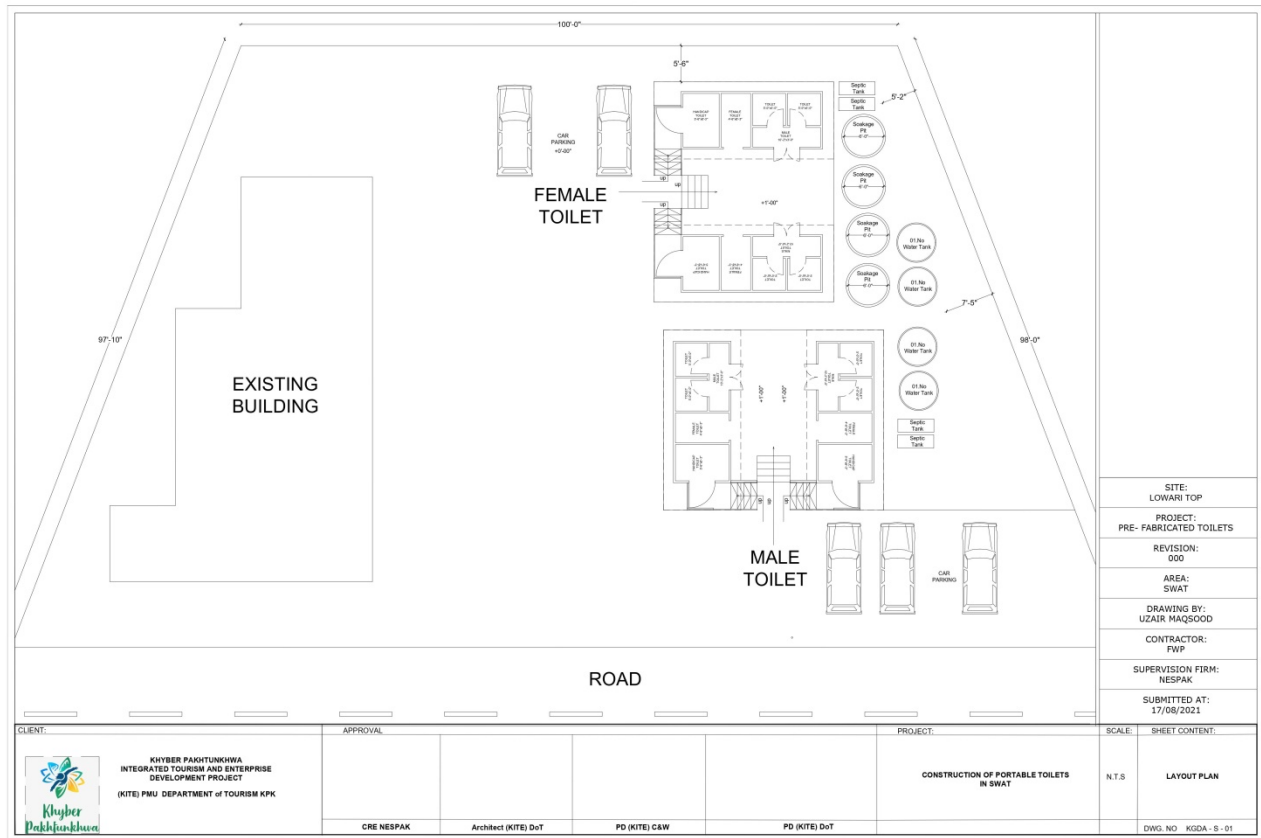


Kalam Tehsil





Lowari Tunnel Lower Chitral:





Lowari Tunnel





Annexure- IX: NOC from District Administration:



OFFICE OF THE DEPUTY COMMISSIONER, SWAT

🌐 dcswat.kp.gov.pk 📄 www.facebook.com/dcoswat

☎ 0946-9240008 📠 0946-9240329 📧 deputycommissionerswat@yahoo.com

No. 27620 /NOC/Dev

Dated: 20/08 /2021

NO OBJECTION CERTIFICATE.

As per request of Project Director, KITE Integrated Tourism Development Project (KITE), Government of Khyber Pakhtunkhwa, Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs letter No. PD KITE/Pre-fab Toilets/F-22/8830-31 dated 13/08/2021.

NOC is hereby granted to for installation of pre-fabricated toilets at the following identified sites in best interest of general public.

- 1) Shamoza Bridge.
- 2) Gabeen Jabba.
- 3) Matta Bazar.
- 4) Kalam Tehsil Office.

**DEPUTY COMMISSIONER
SWAT**

No. 27621-22 /NOC/Dev

Copy forwarded for information to the:-

1. Project Director (KITE) Integrated Tourism Development Project (KITE), Government of Khyber Pakhtunkhwa, Department of Tourism, Culture, Sports, Archaeology, Museums & Youth Affairs, Peshawar w/r to above.
2. PS to Secretary, Culture, Sports, Tourism, Archaeology & Youth Affairs Department, Peshawar.

**DEPUTY COMMISSIONER
SWAT**