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Client: Communication and Works Department (C&WD) of Khyber Pakhtunkhwa

## **KHYBER PAKHTUNKHWA RURAL INVESTMENT AND INSTITUTIONAL SUPPORT PROJECT**

### **ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN FOR TEHSIL OFFICES & RESIDENCIAL COMPLEXES EKKA GHUND, DISTRICT MOHMAND**

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## Table of Contents

|                                                                                                |    |
|------------------------------------------------------------------------------------------------|----|
| 1. <i>Executive Summary</i> .....                                                              | 5  |
| 2. INTRODUCTION .....                                                                          | 6  |
| 2.1 Project Description with scope of work .....                                               | 6  |
| 2.2 Project Development Objective.....                                                         | 6  |
| 2.3 Project Components.....                                                                    | 6  |
| 2.4 Area of Influence of the Subproject .....                                                  | 7  |
| 3. LEGAL, POLICY FRAMEWORK, AND REGULATORY REQUIREMENTS .....                                  | 8  |
| 3.1 Applicable Environmental and Social Policies .....                                         | 8  |
| 3.2 National and Provincial Legal and Regulatory Framework .....                               | 8  |
| 3.3 Institutional Responsibilities .....                                                       | 8  |
| 4. ENVIRONMENTAL AND SOCIAL BASELINE .....                                                     | 9  |
| 4.1 Environmental Baseline.....                                                                | 9  |
| 4.2 Social Baseline .....                                                                      | 10 |
| 5. STAKEHOLDER ENGAGEMENT AND INFORMATION DISCLOSURE .....                                     | 11 |
| 5.1 Public Consultation .....                                                                  | 11 |
| 5.2 Stakeholder Identification and Analysis.....                                               | 12 |
| 5.3 Stakeholder Engagement Plan & Disclosure.....                                              | 14 |
| 6. ENVIRONMENTAL AND SOCIAL MONITORING PLAN .....                                              | 15 |
| 6.1 Potential Environmental and Social Impacts, Mitigation Measures, and Monitoring Plan ..... | 15 |
| 6.2 Relocation of Employees.....                                                               | 41 |
| 6.3 Grievance Redress Mechanism (GRM).....                                                     | 42 |
| 6.4 Capacity Building and Training .....                                                       | 43 |
| 6.5 Institutional Arrangements and Roles .....                                                 | 44 |
| 6.5.1 Project Implementation Unit (PIU) .....                                                  | 46 |
| 6.5.2 Responsibilities of the Environmental Engineer of the Supervision Consultant.....        | 46 |
| 6.5.3 Responsibilities of the Site Environmental Engineer of the Construction Contractor ..... | 46 |
| 6.6 Labor Camp Management .....                                                                | 46 |
| 6.7 Occupational Health and Safety .....                                                       | 47 |
| 6.8 GBV/SEA/SH Risk Mitigation: .....                                                          | 47 |
| 6.9 Budget for ESMP Implementation .....                                                       | 47 |
| 6.10 Reporting Requirements .....                                                              | 52 |
| 6.10.1 Monitoring and Reporting Responsibilities.....                                          | 52 |
| 6.10.2. Types of Reports Required .....                                                        | 52 |
| 6.10.3. Stakeholder Reporting .....                                                            | 53 |
| 6.10.4. Emergency and Contingency Reporting.....                                               | 53 |

## Annexes

- Annex 1. Land Coordinates of the Proposed Site
- Annex 2. Environmental and Social Screening Form
- Annex 3. Maps and Architectural Diagrams
- Annex 4. EPA Environmental Assessment Rules
- Annex 5. Water Quality, Ambient Air, Noise, test reports
- Annex 6. Participants' List of Stakeholders' Consultation
- Annex 7. Photos (with captions) of the Site and the Consultations
- Annex 8: Labor Camp Management Details
- Annex 9: Components of Site Specific OH&S Plan
- Annex 10: KPRIISP Code of Conduct
- Annex 11: Sample Monitoring Checklist
- Annex 12: Incident Reporting Format (ESIRT) Form

## List of Acronyms

|                                                           |                |
|-----------------------------------------------------------|----------------|
| Communication & Works Department                          | C&W Department |
| Construction Contractors                                  | CC             |
| Contractor Environmental and Social Management Plan       | CESMP          |
| Environmental Engineer                                    | EE             |
| Environmental Impact Assessment                           | EIA            |
| Environmental Protection Agency                           | EPA            |
| Environmental Protection Ordinance                        | EPO            |
| Environmental and Social Framework                        | ESF            |
| Environmental and Social Management Plan                  | ESMP           |
| Environmental and Social Standards                        | ESS            |
| Federally Administered Tribal Area                        | FATA           |
| Frontier Regions                                          | FRs            |
| General Environmental Assessment                          | GEA            |
| Government of Khyber Pakhtunkhwa                          | GoKP           |
| Government of Pakistan                                    | GOP            |
| Grievance Redress Mechanism                               | GRM            |
| Initial Environmental Examination                         | IEE            |
| Khyber Pakhtunkhwa                                        | KP             |
| KP Rural Infrastructure and Institutional Support Project | KPRIISP        |
| Newly Merged Districts                                    | NMDs           |
| National Environmental Quality Standards                  | NEQS           |
| Planning & Development Department                         | P&D Department |
| Pakistan Environmental Protection Act                     | PEPA           |
| Pakistan Environment Protection Agency                    | Pak-EPA        |
| Personal Protective Equipment                             | PPEs           |
| Project Coordination & Management Unit                    | PCMU           |
| Project Director                                          | PD             |
| Project Implementation Unit                               | PIU            |
| Pakistani Rupees                                          | PKR            |
| Supervision Consultants                                   | SC             |

## 1. Executive Summary

The Khyber Pakhtunkhwa Rural Infrastructure and Institutional Support Project (KPRIISP), funded by the World Bank, strengthens governance and service delivery in Pakistan's historically underserved Newly Merged Districts (NMDs). It aligns with the Tribal Decade Strategy (2020–2030) to build citizen-centric institutions and uplift vulnerable groups, particularly women. As a key subproject, the proposed new Tehsil Complex Ekka Ghund, Mohmand District, will be built on 4.92 kanals of land within the existing Government Colony to address critical administrative Offices and residential accommodation gaps. The proposed new subproject will be built on two different plots within the same premises. The proposed Tehsil Office complex will be built on 1.92 kanals of land, and the residence buildings will be on 3.02 kanals of land. The complex will house offices for the Tehsil Administration and line departments, residential units for the Tehsil Administration government staff.

Ekka Ghund faces environmental and social challenges, including water contamination of underground sources and the presence of high particulate matter in the air, posing health risks to residents. Additionally, the area has low female literacy in education, inadequate health care facilities, and limited means of economic opportunities at the local level.

The ESMP ensures compliance with the World Bank's Environmental and Social Framework (ESF) and KP's Environmental Protection Act (2014), adopting proactive measures to mitigate risks. A stakeholder consultation, involving key district stakeholders, at the Tehsil level was held, aimed at evaluating the site's accessibility, safety, and sustainability. Participants recommended features such as ramps, gender-sensitive facilities, and separate waiting and washroom areas, respecting cultural norms. Environmental protection measures include waste management, a proper drainage system, and additional plantation of native species, recommended to promote sustainability. Continuous stakeholder consultations via community briefings and a Grievance Redress Mechanism (GRM) accessible via phone, email, or in-person (resolution within 15 days) are part of the ESMP.

The ESMP provides a structured framework for potential environmental and social risks, defining mitigation targets, assigning responsibilities, and ensuring adequate resource allocation. Key focus areas during the design/pre-construction phase include compliance with seismic and structural design standards, sustainable drainage planning, solid waste management, and detailed health and safety measures. In the construction phase, it addresses critical concerns such as air and water pollution control, noise and vibration mitigation, soil conservation, traffic management, labor safety, communicable disease prevention, and preservation of flora and fauna. It emphasizes proactive planning, continual monitoring, and strict adherence to environmental safety protocols.

A Capacity Building and Training component provides support to the effective implementation of the ESMP by enhancing the skills and environmental awareness of project personnel. This includes targeted training programs for the contractor's workforce and client-side professionals. A well-defined institutional framework that assigns clear roles and responsibilities across project stakeholders. The primary entities responsible include the Project Implementation Unit (PIU), the Supervision Consultant's Environmental Engineer, the Contractor's Site Environmental Engineer, and the Khyber Pakhtunkhwa Environmental Protection Agency (EPA) as the regulatory authority. A project's reporting framework is developed to ensure transparency, accountability, and timely communication with all relevant stakeholders, particularly concerning environmental and social performance.

The total Environmental & Social (E&S) implementation budget is **PKR 8,769,500/-**, covering mitigation measures, GRM operation, community engagement, and monitoring. This integrated approach prioritizes sustainability, social inclusion, and transparency throughout the project lifecycle.

## 2. INTRODUCTION

### 2.1 Project Description with scope of work

The Tribal Decade Strategy (2020-2030) points to the extension of administrative and service delivery systems as a critical pre-requisite for improving development outcomes for areas facing some of the highest poverty rates in Pakistan. In this context, the Government of Pakistan (GOP) and GoKP have requested World Bank financing to support the first phase of the Tribal Decade Strategy, with a strategic focus on building responsive and accountable institutions for service delivery and development in the Newly Merged Districts (NMD) and Frontier Regions (FRs). The World Bank-funded KP Rural Infrastructure and Institutional Support Project (KPRIISP) will provide complementary and foundational investments in infrastructure and institutional systems that would strengthen the Government's investments, both recurring and development investments, in the merged areas. The KPRIISP aims to enhance service delivery and socio-economic development in the NMD and FRs of KP, addressing long-standing disparities resulting from historical governance gaps and inadequate infrastructure. Aligned with the Tribal Decade Strategy (2020–2030), the project focuses on strengthening integrated service delivery centers at district, sub-divisional, and Tehsil levels, building local government capacity for inclusive and participatory planning, and investing in critical public services, particularly benefiting poor and vulnerable households. Spanning eight NMDs and six FRs, the project emphasizes responsive and accountable institutions, improved infrastructure, and active citizen participation, including empowering women at the grassroots level, to foster sustainable development and reduce multidimensional poverty.

### 2.2 Project Development Objective

The selected proposed subproject site is situated within the existing Government Colony in Tehsil Ekka Ghund, on the main Bajaur-Mohmand Road. The site is approximately 1 km from the main Bazaar. The site coordinates and site pictures, showing the existing situation of the site, are placed at Annexure-1 with the ESMP. The overall aim of the proposed subproject complex is to fulfil the office and residential accommodation needs of the growing number of Government Officials and employees at the Tehsil headquarters. The specific objectives are:

- i. To provide the office accommodation requirements for the Tehsil Administration, Tehsil Municipal Administration, and Line Departments with all required basic and allied facilities, and
- ii) To meet the residential demands of Government Officers and associated staff, with allied services.

While preparing the E&S screening checklist of the subproject, placed at Annexure -2, it has been observed that the construction activities of the proposed Tehsil Complex will have some moderate level concerns/impacts, within the site and immediate surrounding areas, such as air and water pollution, noise and vibration, soil conservation, generation of construction and solid waste, traffic management, labor safety, and preservation of flora and fauna can arise. In view of this fact, the ESMP provides a key focus on air and water pollution control, noise and vibration mitigation, soil conservation measures, sustainable drainage planning, solid waste management, and detailed health and safety measures.

### 2.3 Project Components

The proposed new Tehsil complex will be built on an area of 4.92 kanals of land. The proposed new Tehsil Office building will occupy an area of 1.92 kanals of land, and the residence buildings will be on 3.02 kanals of land. The proposed complex has the following components:

1. One building block having a Ground+2-storied Office building for accommodating the Tehsil Administration, Tehsil Municipal Administration, and line department offices, Map-4 of the Annexure-3.
2. One building block of a 2-bed and 3-bed apartment, Ground+2 storied, to cater for the residential facilities for Government Officers, Map-13 of the Annexure-3.

The subproject, apart from the construction of proposed new buildings, will improve and rehabilitate an 800-meter road within the colony, having black topping of the existing right of way and concreting of the road shoulders.

The proposed subproject, in addition to new construction of buildings for Offices, residential accommodation and rehabilitation of internal road in colony, involves the demolition of an existing old, empty store structure on the plot, where the Tehsil Office Building will be constructed, as well as a few existing old quarters at the site of the residential building to make the required space available for the new proposed building.

The land for the proposed subproject has been in the possession of GoKP for the last 60 years, and presently has a government colony, of Tehsil Administration offices, and residences. Therefore, no land acquisition is required to construct the proposed tehsil Complex at the proposed site.

The new proposed Office building blocks provide Offices, meeting rooms, male and female visitors' waiting areas, public washrooms (both males and females), kitchens on each floor, a prayer area, service and circulation areas for easy access and circulation of the officials and the public, and car parking facilities for official visitors.

The residential apartment building will provide the required residential facilities and accommodation for the Officers and Officials.

Provisions of open spaces are made within the buildings, and landscaping areas are proposed in the surrounding areas and along the roads for air circulation and to increase the aesthetics of the area. Also, proper parking facilities are proposed for each building, Map-4&13 of the Annexure -3.

## 2.4 Area of Influence of the Subproject

The proposed subproject site is located on the main Bajaur-Mohmand Road, approximately 1 km from the main Bazaar, and its area of influence includes a mosque at a distance of around 200 meters, and a school at around 250 meters from the proposed site of the Tehsil Office and residential buildings. The location of both facilities is on separate routes from the proposed new buildings, so there are no or very low impacts on them. The area of influence of the subproject is shown in Map-I of the Annexure-3.

**Table 1: Receptors and Their Distance from the Construction Site of Tehsil Complex**

| Serial No | Name of Receptor | Distance from the Construction Site of Tehsil Complex |
|-----------|------------------|-------------------------------------------------------|
| 1.        | Mosque           | 200 meters                                            |
| 2.        | School           | 250 meters                                            |

### 3. LEGAL, POLICY FRAMEWORK, AND REGULATORY REQUIREMENTS

#### 3.1 Applicable Environmental and Social Policies

The World Bank Environmental and Social Framework sets out the World Bank's commitment to sustainable development, through a Bank Policy and a set of Environmental and Social Standards that are designed to support Borrowers' projects, with the aim of ending extreme poverty and promoting shared prosperity. The WB's ESF Environmental and Social Standards related to this subproject are as follows:

- **Environmental and Social Standard 1:** Assessment and Management of Environmental and Social Risks and Impacts;
- **Environmental and Social Standard 2:** Labor and Working Conditions;
- **Environmental and Social Standard 3:** Resource Efficiency and Pollution Prevention and Management;
- **Environmental and Social Standard 4:** Community Health and Safety;
- **Environmental and Social Standard 10:** Stakeholder Engagement and Information Disclosure.

These Standards establish objectives and requirements to avoid, minimize, reduce, and mitigate risks and impacts, and where significant residual impacts remain, to compensate for or offset such impacts.

#### 3.2 National and Provincial Legal and Regulatory Framework

Environmental governance in Pakistan has evolved significantly since the introduction of the Environmental Protection Ordinance (EPO) of 1983, providing a legal framework for addressing pollution and environmental degradation. The EPO 1983 was improved after an extensive and prolonged consultative process with all stakeholders, and a new law, the Pakistan Environmental Protection Act (PEPA), was promulgated in December 1997. In 2000, the Pakistan Environmental Protection Agency (Review of IEE and EIA) PEPA Rules were prepared for the operationalization and application of the Act. The 18th Constitutional Amendment devolved environmental governance to the provincial level, allowing provinces to legislate and enforce their environmental laws. Under the 18th Amendment, the Provincial Government enacted the Khyber Pakhtunkhwa Environmental Protection Act of 2014 to protect, conserve, rehabilitate, and improve the environment within the province. Under section 31 of the Khyber Pakhtunkhwa Environmental Protection Act, 2014, the Government of Khyber Pakhtunkhwa makes the Khyber Pakhtunkhwa Environmental Assessment Rules 2022. The KP Environmental Assessment Rules in Section 2 provide the rules for the proposed assessment of projects. The details of the rules are as under:

**4. Projects requiring an EIA or IEE, or GEA.** ---Where the project falls within the categories mentioned in Schedules II, III, and IV, the proponent shall file EIA or IEE, or GEA, respectively, with the Agency.

**5. 6. Preparation of guidelines for EIA, IEE and GEA.** --- Guidelines for the preparation of EIA or IEE, or GEA of general and sectoral applicability may be specified by the Agency, provided that such guidelines may indicate specific assessment requirements for planning, construction, and operation of a project relating to a particular sector.

This subproject has low to moderate environmental and social risks and therefore falls in the General Environment Assessment category.

#### 3.3 Institutional Responsibilities

While the Pak-EPA is the federal agency, each province also has its own Environmental Protection Agency (EPA), which works independently within its respective jurisdiction. Khyber Pakhtunkhwa (KP) has its EPA. The KPRIISP project operates in the NMAs, and they are now part of the KP, so the regulatory authority for the KPRIISP and its subprojects is the EPA, KP.

The subproject is committed to ensuring environmental compliance. Accordingly, General Environmental Approval (GEA) will be obtained from the EPA-KP, in line with the Environmental Protection Act, 2014, and the Environmental Assessment Rules, 2021, before initiating any construction activities under the proposed subprojects. The relevant section of the EPA Environmental Assessment Rules, 2021, is placed at Annexure 4.

## 4. ENVIRONMENTAL AND SOCIAL BASELINE

Ekka Ghund is the main village and administrative headquarters of the Ekka Ghund Tehsil in Mohmand District in Khyber Pakhtunkhwa, Pakistan. It is located at a Latitude. 34.2762° or 34° 16' 34" north; Longitude. 71.38735° or 71° 23' 15" east; and Elevation. 682 metres (2,238 feet).

### 4.1 Environmental Baseline

The environmental baseline of Ekka Ghund in Mohmand District includes its Biological and physical environmental characteristics, potential sources of pollution, and its challenges.

#### Biological Environment

The biological and environmental features of Ekka Ghund have a Dry Subtropical Broad-leaved Forest ecosystem, characterized by thorny, evergreen shrubs that can grow into small trees.

**Flora and Fauna:** The main tree species in the area are Eucalyptus, Acacia modesta, Zizphus nummularia, Populus, Acacia nilotica and Morus alba. Some important shrubs are Adhatoda vasica (Bahker), Calotropis spp (ak), Rhazya spp (vena), Rumex hastatus (khatumaal), Carrisa spp (granda), and Capparis spp (karir). The common grasses are Heteropogon, Cymopogon, and Saccharum clumps (munja). The proposed subproject site features 15 trees, all of which belong to the Eucalyptus species. The common Fauna in Ekka Ghund includes Jackals, Foxes, Field rats, Hares, Porcupines, Hedgehogs, wildcats, rat-eating snakes, house geckos, Scorpions, and Spiders.

#### Physical Environment

The water, air, and soil quality in the Ekka Ghund area, District Mohmand, present mixed conditions, especially concerning drinking water quality contamination and high levels of particulate matter in the air.

**Topography:** The topography of the Ekka Ghund primarily consists of rough, barren, and rocky mountains. These ranges generally run in a north-south direction. Interspersed within the mountainous terrain are narrow strips of valleys. The region generally has an arid to semi-arid climate, with vegetation in many areas described as sparse.

**Climate:** The climate of the Ekka Ghund area varies from semi-arid to sub-humid, sub-tropical, and temperate. Physiographic features, especially altitudes, have a major impact on local climatic conditions. The area has a variable climate with cold winters and hot summers. During the summer months, there is a great fluctuation in diurnal temperature in open and in the shade of hilly areas. The mean maximum temperatures during the hottest months of June and July are 38 °C and 28 °C, respectively. December and January are the coldest months with a mean minimum temperature of about 12 °C and 9 °C.

**Soil Morphology:** The soils are derived mainly from the local weathering of bedrock deposited by streams and rivers, though windblown soil also exists to some extent. Level areas are loamy, while lowlands are calcareous in nature. The organic matter and phosphorus content are very low. The soil in the subproject area is clay loam, non-calcareous, non-saline, and non-sodic. Soil pH is slightly to medium alkaline. The soils are low in organic matter and nitrogen.

**Water Quality and Resources:** Springs, streams, rivers, and perennial watercourses are the primary sources of drinking and domestic water. The underground water sources are contaminated with the presence of coliform, making it unsafe for drinking purposes, and therefore, the water needs proper treatment before drinking. The water quality test results are provided in Annexure 5. The data provided in Annexure 5 is from a secondary source; however, the contractor will conduct water quality tests before the construction starts from an EPA, KP-registered laboratory, for establishing a baseline for later stage monitoring.

**Ambient Air and Noise Quality:** The ambient air quality in the area seems unhealthy for humans due to the presence of very high levels of particulate matter (PM<sub>2.5</sub> and a moderate level of PM<sub>10</sub>) in the area. The reason could be the existing small-scale marble cutting and polishing units. The test results of the ambient air quality is placed in Annexure-5. The data provided in Annexure 5 is from a secondary source; however, the Tehsil complex Ekka Ghund contractor will conduct ambient air quality and Noise level tests before the construction starts from an EPA, KP-registered laboratory, for establishing a baseline for later stage monitoring.

**Geology and Soil Quality:** The area consists of a blend of sedimentary, igneous, and metamorphic rocks. The most common sedimentary formations consist of sandstone, limestone, shale, and conglomerate. These formations can be a source of sedimentation and soil erosion. Metamorphic rocks in the area include schist, slate, marble, and thick patches of pure clay, which are also significant. The soils are derived mainly from the local weathering of bedrock deposited by streams and rivers, though windblown soil also exists to some extent. Landform in the area is varied, and includes piedmont, plains, valleys, gravel fans, rough broken land, and gullied land. Level areas are loamy, while lowlands are calcareous in nature.

## 4.2 Social Baseline

The Ekka Ghund social form is characterized by low female literacy in education, inadequate health care facilities, and limited means of economic opportunities at the local level, as the main reliance is on agriculture, livestock, and labor for livelihoods. Addressing the socio-economic challenges, particularly in education, remains crucial for sustainable development.

**Population:** The 2023 census records that Ekka Ghund has a population of 63,757, a male population of 32,263 persons, and a female population of 31,494 persons, showing a sex ratio of 102. The average population density in Ekka Ghund is 239.7/km<sup>2</sup>. The Ekka Ghund population is growing at a rate of 1.7% annually from 2017 to 2023. The recorded average household size is 8.7 persons, indicating large family units.

**Literacy Rate:** The Ekka Ghund total literacy rate is 41.38%, a reasonable literacy rate among the new merged areas. However, a significant gender disparity exists, with male literacy at 56.08% and female literacy at 26.28%. The low female literacy rate highlights barriers such as limited access to schools, cultural norms, and security concerns that hinder educational attainment for women and girls.

**Healthcare Challenges:** The primary healthcare infrastructure in and around Ekka Ghund Tehsil consists mainly of the Rural Health Center (RHC) Ekka Ghund, Basic Health Units (BHUs). The RHC is a significant health facility in the tehsil, providing a range of promotive, preventive, curative, diagnostic, and referral services, including basic surgical, dental, and ambulance services. RHCs typically have 10-20 inpatient beds and serve a population catchment of up to 100,000 people. BHUs are located at the Union Council level and provide primary healthcare services, including maternal and child health (MCH) care, immunizations, and treatment for common diseases and injuries. They also offer first-level referrals to larger facilities. Specific BHUs in nearby areas or under the same district health network may serve the residents of Ekka Ghund.

**Economic and livelihood:** The Ekka Ghund people's main source of income comes from farming activities and livestock, as it caters to 50% of the employment of the local population either directly or indirectly. While the rest of the people are mainly daily wage laborers, very few people are involved in trading, shopkeeping, poultry farms, and a very minimum are employed in the public sector. Many people, for better job opportunities, have gone to work as migrant workers in Gulf countries, while a few have gone for employment in other provinces of Pakistan.

**Religious and Linguistic Diversity:** The majority population of Ekka Ghund is Muslim; however, a few religious minorities reside in the town. Pashto is the dominant language of the Ekka Ghund; however, Urdu, Balochi, and Kohistani are also spoken.

## 5. STAKEHOLDER ENGAGEMENT AND INFORMATION DISCLOSURE

### 5.1 Stakeholder Identification and Public Consultation

The potential stakeholders for the subproject were identified, in consultation held on June 17, 2025, with the respective Tehsil Administration at the inception stage, when the requirements of the Administration were obtained for the subproject. The approach adopted for the consultation process in newly merged areas is to have the first consultation with the relevant District /Tehsil administration to get their views and understanding of the process, and later, with their advice, hold broad level consultation for each subproject. This approach has adopted in view of the prevailing vulnerable security environment and has worked well for the project. A consultation session was conducted on May 22, 2025, in the Tehsil Administration Office, Ekka Ghund, with the relevant government departments. The list of participants is in Annex 6, and the photographs of the consultation and site area are shown in Annex -7. In Section 5.2, Table 2 shows the stakeholders' identification, their respective Interest and roles in the subproject. The objectives of the consultation were to inform the stakeholders about the subproject design, its environmental and social impacts during the project implementation. A follow-up stakeholders' consultation was conducted on 21st October 2025 at Tehsil Ekka Ghund. The purpose of this consultation was to validate findings from the initial consultation held on 22nd May 2025 and to gather updated perspectives from additional stakeholders. Suggestions and concerns were recorded and addressed in this ESMP for compliance during the execution phase. Stakeholder consultations will be a continuous process under the subproject, and more sessions will be carried out as per the guidelines given in SEP. Consistent with the KPRIISP SEP, this subproject adopts the principles of openness, cultural appropriateness, and inclusiveness. Special attention is paid to vulnerable groups to ensure they are not disproportionately affected. In the consultation, the stakeholders provided their feedback regarding the subproject and also gave their suggestions to further improve the subproject functionality. Stakeholder feedback is presented below:

- On the site suitability, the stakeholders are satisfied that the selected site, being government-owned and acquired over 60 years ago, its central location near NADRA, Rescue 1122, the local bazaar, and educational institutions was highlighted as a key advantage of the site and remains highly suitable for the establishment of the Tehsil Complex.
- Regarding the accessibility of the site, stakeholders acknowledged that the site's proximity to the main road ensures centrality and makes it accessible to all community groups, including women, the elderly, and people with disabilities. There was an agreement on the commitment to inclusive design features from the outset, ensuring everyone benefits equally.

The suggestions that the stakeholders made in the consultation and their respective responses are presented in the following table:

**Table 2: Stakeholder Recommendations and the Respective Response**

| Serial No. | Stakeholder Recommendation                                                                                                                                                                                                                                                | Response to the Recommendation                                                                                                                                                                                                                                                                                                              |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.         | Features such as ramps, handrails, gender-segregated sanitation facilities, gender-friendly amenities like female prayer areas, information signs for female visitors' guidance, well-lit spaces, and shaded waiting areas will enhance comfort and safety for all users. | The proposed design of the complex included gender-segregated facilities (separate washrooms and waiting areas for males and females, a female prayer area), and shaded waiting areas for visitors. Facilities like ramps, handrails, lighting arrangements, and information signs will be provided at the finishing stage of the building. |

|    |                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 2. | The participants emphasized the necessity of essential services, including proper sanitation facilities for both public and office users, with gender-segregated units; an additional borehole or tube well for drinking water supply; and rehabilitation and realignment of the existing drainage network to protect the colony from flooding. | The proposed design of the complex incorporated the suggested facilities, additional infrastructure, and services.                                                                                               |
| 3. | Stakeholders suggested compensatory plantation and greening efforts post-construction                                                                                                                                                                                                                                                           | Landscaping and planting will be done at the time of the finishing stage of construction of the complex. The cost of the additional plantation and landscaping is included under the "External Development Head" |
| 4. | The staff of educational institutions, present within the boundary wall of the existing compound, emphasizes the need for a separate approach for the labor camp during the construction phase, particularly in terms of worker behavior and site management.                                                                                   | The contractors' traffic management plan will ensure to incorporate the provisions of a gender-sensitive approach. The PIU, in consultation with the Girls' school management, will ensure such provision.       |

## 5.2 Stakeholder Analysis

The purpose of stakeholder analysis is to systematically identify individuals, groups, and organizations who may be affected by or have an interest in the proposed subproject activities, and to assess their interest and roles. This ensures that engagement efforts are inclusive, contextually appropriate, and effective in addressing both risks and opportunities. Stakeholders have been categorized based on their relationship to the subproject. The primary stakeholders are, those individuals and groups directly affected, positively or negatively, by the subproject. Secondary stakeholders are those who have an interest in the project but are not directly affected. The following Table represents the identified stakeholders and their potential interest in the project.

**Table 3: Stakeholders Identification and their respective Interest and roles**

| Serial No.                  | Stakeholders                                     | Project Impact, their Interest, and role                                                                                                                                                          |
|-----------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Primary Stakeholders</b> |                                                  |                                                                                                                                                                                                   |
| 1.                          | Deputy Commissioner, District Mohmand, KP        | Concerned about potential impacts such as noise, dust, water access, and disturbance in routine activities due to construction.<br><br>Benefit from improved Office accommodation and facilities. |
| 2.                          | Additional Deputy Commissioner, District Mohmand | Concerned about potential impacts such as noise, dust, water access, and disturbance in routine activities due to construction.<br><br>Benefit from improved Office accommodation and facilities. |
| 3.                          | District Officer, Social Welfare Mohmand         | Benefit from improved Office accommodation and facilities.                                                                                                                                        |
| 4.                          | District Food Controller, Mohmand                | Benefit from improved Office accommodation and facilities.                                                                                                                                        |

|                               |                                                                                             |                                                                                                                                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.                            | District Education Officer, Mohmand                                                         | Concerned about potential impacts such as noise, dust, land use, water access, and disturbance in routine activities due to construction.<br><br>Benefit from improved Office accommodation and facilities. |
| 6.                            | Subdivisional Forest Officer, Forest                                                        | Benefit from improved Office accommodation and facilities.                                                                                                                                                  |
| 7.                            | Assistant Director, Industries                                                              | Benefit from improved Office accommodation and facilities.                                                                                                                                                  |
| 8.                            | Families of the Government Officials living in the area in existing houses                  | Concerned about potential impacts such as noise, dust, land use, water access, and disturbance in routine activities due to construction.<br><br>Benefit from improved Office accommodation and facilities. |
| 9.                            | Vulnerable and Marginalized Groups (Families living in servant quarters of existing houses) | Women, the elderly, and persons with disabilities may not get specific attention to ensure inclusive participation and to avoid exclusion or disproportionate negative impacts.                             |
| 10.                           | Coloney's Schools Teachers                                                                  | Concerned about potential impacts such as noise, dust, and disturbance the area activities due to construction.                                                                                             |
| 11.                           | Colony's Schools Students                                                                   | Concerned about potential impacts such as noise, dust, and disturbance the area activities due to construction.                                                                                             |
| 12.                           | Health Facility Staff                                                                       | Concerned about potential impacts such as noise, dust, and disturbance in the area due to construction.                                                                                                     |
| 13.                           | Visiting and outdoor patients of the Health Facilities                                      | Concerned about potential impacts such as noise, dust, and disturbance in the area due to construction.                                                                                                     |
| 14.                           | NADRA Staff                                                                                 | Concerned about disturbance in routine activities due to construction.                                                                                                                                      |
| 15.                           | Rescue 1122 staff                                                                           | Concerned about disturbance in routine activities due to construction.                                                                                                                                      |
| <b>Secondary Stakeholders</b> |                                                                                             |                                                                                                                                                                                                             |
| 16.                           | Local Religious Leaders (Imams, Pesh Imams)                                                 | Hold moral authority and can influence public perception of the project.                                                                                                                                    |
| 17.                           | Local Administrative Authorities (Tehsil Level)                                             | Involved in need assessments, land coordination, law and order, and service delivery.                                                                                                                       |
| 18.                           | Environmental Protection Agency, Khyber Pakhtunkhwa (EPA-KP)                                | Regulatory authority responsible for ensuring environmental compliance and reviewing ESMP documentation.                                                                                                    |
| 19.                           | Contractor (s) and Construction Workers                                                     | Involved in implementation; requires clear orientation on social and environmental safeguards.                                                                                                              |
| 20.                           | Media and Information Channels (Local Radio Channels)                                       | Important for public disclosure, awareness-raising, and helping to spread accurate information.                                                                                                             |

### 5.3 Stakeholder Engagement Plan & Disclosure

This Stakeholder Engagement and Disclosure Plan outlines how stakeholders will be involved and informed during the **construction phase** of the project under the ESMP in Ekka Ghund, District Mohmand. Its purpose is to ensure continuous two-way communication, enhance social accountability, reduce conflicts, and foster community support through timely and culturally appropriate engagement. Consultations with women will be held in "private spaces" or "gender-neutral spaces" by female staff (as noted in SEP Section 2.3). Communication materials will use images/infographics for those with low literacy (as per SEP Section 6.3).

**Table 4: Engagement Activities and Methods (During Construction)**

| Activity                                            | Target Stakeholders                                                           | Frequency  | Communication Method                                                                                                                                                    | Responsibility                           |
|-----------------------------------------------------|-------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| <b>Community Briefings</b>                          | Residents (male & female), tribal elders, local community-based organizations | Monthly    | Public meetings, mosque announcements, and community centers                                                                                                            | Contractor's social staff, PIU C&W       |
| <b>Information Disclosure</b>                       | General public                                                                | Quarterly  | Posters, notice boards, Urdu & Pashto pamphlets. Disclosure on C&W/P&D Websites, Announcements via local Mosques (for construction timing/safety), Social Media updates | Communication Officer, PIU C&W           |
| <b>Focused Group Discussions (FGDs)</b>             | Local Residents                                                               | Bi-monthly | Small group meetings, female outreach through the Gender staff                                                                                                          | E&S and Gender Staff at PCMU and PIU C&W |
| <b>Grievance Redress Mechanism (GRM) Activation</b> | All stakeholders                                                              | Weekly     | Complaint boxes, hotline, in-person reporting, and all intake measures as these become available                                                                        | GRM Focal Points at PCMU and PIU C&W     |
| <b>On-site Signage &amp; Safety Notices</b>         | Public, labor, and daily commuters to the complex.                            | Weekly     | Visual safety signs, barriers, and flagmen                                                                                                                              | Contractor HSE team                      |
| <b>Coordination Meetings</b>                        | District administration, EPA-KP                                               | Quarterly  | Formal briefings, email reports, and written updates                                                                                                                    | PIU C&W                                  |

## 6. ENVIRONMENTAL AND SOCIAL MONITORING PLAN

### 6.1 Potential Environmental and Social Impacts, Mitigation Measures, and Monitoring Plan

The Environmental and Social Management Plan (ESMP) provides the framework for implementation of the mitigation measures, environmental management, and monitoring during the construction and operation phases of the proposed subproject. The proper implementation of the ESMP will ensure that any adverse environmental impacts are adequately mitigated, either totally, prevented, or minimized to an acceptable level, and required actions to achieve its above stated objectives are successfully taken by the concerned institutions or regulatory agencies. The implementation of ESMP will be carefully coordinated with the design, construction, and operation programs of the project to ensure that relevant mitigation measures are implemented at the appropriate stage and adequate resources are properly allocated to achieve the desired results.

**Table 5**, below, provides the Environmental Management Plan. The proposed schedule for the ESMP is 3 years, comprising the first 3 months for the pre-construction phase, for the contractor mobilization, and carrying out the required initial stage preparation. The 2 years and 3 months will be for the construction phase to complete the construction of buildings. The last 3 months are the post-construction phase for handing over the built complexes to the respective administration. However, the ESMP schedule is contingent upon the subproject's approval from the relevant Government forums and initiation. The actual timeline will be defined once those formalities are completed. The plan outlines impacts, targets, mitigations, and the responsible authorities for the implementation of the mitigation measures during design, construction, and operational phases.

**Table 5: Environmental Management Plan**

| Sr. No.                              | Parameters               | Target                                                                                                                                                               | Mitigation                                                                                                                                                                                                                                                                                                  | Status of Activity | Implementation Responsibility |
|--------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|
| <b>Design/pre-construction Phase</b> |                          |                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                             |                    |                               |
| 1                                    | Design & Layout Planning | Intended to fulfil all the desired needs of the Tehsil Administration, enhance the complex's aesthetic, and focus on the functional aspects of the proposed complex. | <ul style="list-style-type: none"> <li>All structural, layout, and engineering designs of the district complex must comply fully with applicable laws, engineering standards, and prescribed technical parameters.</li> </ul>                                                                               | Done               | PIU, C&W                      |
| 2                                    | Drainage                 | To prevent standing water, flooding, and water ponding in and around the buildings and circulation areas.                                                            | <ul style="list-style-type: none"> <li>Provision of appropriate drainage facilities and structures should be provided in the building complex; and</li> <li>Proper slopes shall be incorporated in the design feature to avoid the formation of a water layer on road surfaces in rainy seasons.</li> </ul> | Done               | PIU, C&W                      |

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| 4 | Seismic Hazard     | To minimize the structural damage                | <ul style="list-style-type: none"> <li>The proposed building and structures will be designed and constructed to withstand low to moderate earthquakes.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Done            | PIU, C&W                                                   |
| 5 | Traffic Management | To minimize traffic problems in the project area | <ul style="list-style-type: none"> <li>Once the contractor is mobilized, in the first three months of the project time, Contractor will prepare a comprehensive Traffic Management Plan and disclose it before construction begins, ensuring measures are in place to prevent traffic congestion and safeguard community convenience. Vehicle movements for transporting construction materials shall be strategically timed to minimize traffic impacts and avoid inconvenience to residents;</li> <li>Plan the timing for the movement of vehicles carrying construction materials to reduce traffic load and avoid inconvenience to the residents.</li> </ul> | To be Prepared. | Contractor to provide plan, PIU, C&W to ensure and monitor |
| 6 | Health and Safety  | To minimize health risks                         | <ul style="list-style-type: none"> <li>The contractor will prepare a detailed health and safety plan with all necessary and required mitigation measures that will minimize health risks to the surrounding community and the labor involved in construction. The proposed plan will be</li> </ul>                                                                                                                                                                                                                                                                                                                                                               | To be Prepared. | Contractor to provide plan, PIU, C&W to ensure and monitor |

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|                           |                        |                                                                                    | <p>submitted to the PIU and will be made public before the construction activity begins; and</p> <ul style="list-style-type: none"> <li>An emergency response plan will be formulated by the contractor that emphasizes a line of action for rescue, medical emergencies, natural disasters, and firefighting operations at the construction site and will be submitted to PIU before the construction activity begins.</li> </ul>                                              |                    |                                                                                    |
| 7                         | Solid Waste Management | To manage (i.e., collect and dispose) the solid waste safely at appropriate sites. | <ul style="list-style-type: none"> <li>The contractor will prepare a comprehensive solid waste management plan incorporating the technical design features for refuse collection from the camp site and construction site, and its safe disposal at the designated places to ensure it is not at sites that would minimize burning on site; and</li> <li>The contractor will devise plan(s) for safe handling, storage, and disposal of harmful waste and materials.</li> </ul> | To be Prepared.    | Contractor to provide plan, PIU, C&W to ensure and monitor.                        |
| <b>Construction Phase</b> |                        |                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                    |                                                                                    |
| 1                         | Noise and Vibration    | To minimize noise pollution and fulfill the Regulatory Compliance under the NEQs.  | <ul style="list-style-type: none"> <li>Selection of up-to-date and well-maintained plant or equipment with reduced noise levels ensured by suitable in-built damping techniques or</li> </ul>                                                                                                                                                                                                                                                                                   | To be carried out. | Contractor Environmental Engineer (CEE) and Supervision Consultant (SC) to monitor |

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|   |              |                                             | <p>appropriate muffling devices;</p> <ul style="list-style-type: none"> <li>▪ Confining excessively noisy work to normal working hours in the day, as far as possible;</li> <li>▪ Restricting construction vehicles' movement during nighttime;</li> <li>▪ Avoid the use of heavy drill machines to avoid the vibration effect on the surrounding buildings;</li> <li>▪ Vehicles and equipment used should be fitted, as applicable, with silencers and properly maintained;</li> <li>▪ Use of low noise machinery, or machinery with noise shielding and absorption;</li> <li>▪ Contractors should comply with the submitted work schedule, keeping noisy operations away from sensitive points;</li> <li>▪ implement regular maintenance and repairs;</li> <li>▪ Employ strict implementation of operation procedures; and</li> <li>▪ Providing the construction workers with suitable hearing protection, like ear caps or earmuffs, and training them in their use.</li> </ul> |                    |                                                 |
| 2 | Soil Erosion | To minimize soil erosion and contamination. | <ul style="list-style-type: none"> <li>▪ All kinds of oil spills from construction machinery on the ground shall be scrubbed until the</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | To be carried out. | CEE and Supervision Consultant (SC) to monitor. |

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|   |               |                                                                                 | <p>clear surface of soil, and the removed clay shall be safely disposed of as desired, and the site will be restored to its original conditions;</p> <ul style="list-style-type: none"> <li>▪ Unnecessary excavations should be avoided;</li> <li>▪ Septic tanks connected to soakage pits of adequate capacities will be constructed for receiving and treating wastewater from all temporary worksite toilets and at the temporary container offices, if any;</li> <li>▪ The toilet wastewater should not be discharged untreated onto the adjacent lands/sewers/disposal station; and</li> <li>▪ Washout from washing of equipment and gadgets will be drained into either a septic tank or a sand-gravel bed for removal of the grit and contaminants.</li> </ul> |                    |                                                  |
| 3 | Air Pollution | To minimize air pollution and fulfill the Regulatory Compliance under the NEQs. | <ul style="list-style-type: none"> <li>▪ All sites where excavation work will be carried out will be regularly sprinkled with water to control dust;</li> <li>▪ The excavated material shall be covered and shall not be stored for long intervals;</li> <li>▪ Preventive measures like batching and mixing operations shall be performed in enclosed or controlled</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                        | To be carried out. | CEE, and Supervision Consultant (SC) to monitor. |

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|  |  |  | <p>areas, installing screens around the mixing and unloading operation areas at the site, and no "Overloading" shall be enforced to prevent spillage of fine materials during transport operation;</p> <ul style="list-style-type: none"> <li>▪ All vehicles, machinery, equipment, and generators deployed during construction shall be maintained in sound working condition, regularly serviced (as prescribed by the manufacturer), and properly tuned to minimize exhaust emissions and ensure compliance with applicable environmental standards;</li> <li>▪ All vehicles, machinery, and equipment used for the construction shall be plugged off or switched off immediately after completion of their work to avoid idling conditions;</li> <li>▪ Emissions from power generators and construction machinery are important point sources at the construction sites. The filter shall be installed at the point sources of air emissions and shall be replaced regularly as prescribed by the</li> </ul> |  |  |
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|   |                                 |                                                                                                                                                                                      | <p>manufacturer. Proper maintenance and repairs of the equipment are needed to minimize hazardous emissions;</p> <ul style="list-style-type: none"> <li>▪ Open burning of solid waste from the Contractor's camps should be strictly banned;</li> <li>▪ Construction workers should be provided with masks for protection against the inhalation of dust; and</li> <li>▪ PEQS applicable to gaseous emissions generated by construction vehicles, equipment, and machinery should be enforced during construction and road rehabilitation works.</li> </ul>     |                    |                                                  |
| 4 | Water Quality and Availability. | <p>To protect the ground and surface water resources from any pollution due to the construction of the subproject and fulfill the Regulatory Compliance under the NEQs.</p> <p>.</p> | <ul style="list-style-type: none"> <li>▪ Protection of surface and groundwater reserves from any contamination sources, such as construction and oily wastes that could degrade their potable quality;</li> <li>▪ Wastewater effluent from the contractor's workshop and equipment washing yards should be passed through gravel/ sand beds to remove oil/ grease contaminants before discharging to the final disposal point;</li> <li>▪ Water required for construction is obtained in such a way that the water availability and supply to nearby</li> </ul> | To be carried out. | CEE, and Supervision Consultant (SC) to monitor. |

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|  |  |  | <p>communities remain unaffected;</p> <ul style="list-style-type: none"> <li>▪ For construction purposes, water shall be drawn from surface water bodies on priority and as available;</li> <li>▪ Regular water quality monitoring according to a determined sampling schedule provided in Table 7, below;</li> <li>▪ During all road improvement activities, the contractor shall implement effective controls to prevent construction debris and other waste from entering the drainage system. Appropriate measures—such as installing silt traps and regular site housekeeping—must be applied to ensure that no materials obstruct the drainage network;</li> <li>▪ Contractor and his/her staff will not allow wastewater from the washing of machinery to mix with surface waters; instead, sealed washing basins shall be used, and all the wastewater shall be directed to a sedimentation or retention pond;</li> <li>▪ Any waste (liquid/solid/hazardous) shall not be discharged into any nearby surface water body. All such disposals must follow</li> </ul> |  |  |
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|   |                                                |                                                          | <p>designated and approved methods;</p> <ul style="list-style-type: none"> <li>During all road improvement activities, the contractor shall implement effective controls to prevent construction debris and other waste from entering the drainage system. Appropriate measures—such as installing silt traps and regular site housekeeping—must be applied to ensure that no materials obstruct the drainage network.</li> <li>In the rehabilitation and improvement of internal roads, the contractor will clear culverts/drains; avoid material dumping in existing waterways;</li> <li>In concreting the shoulder of internal roads, the contractor will provide a concrete washout pit; avoid washing tools near existing drains.</li> </ul> |                    |                                                  |
| 5 | Solid, Construction Waste, and Hazardous Waste | To minimize the solid, construction, and hazardous waste | <ul style="list-style-type: none"> <li>Schedule training and awareness sessions for the workforce before the start of the construction work on the proper storage and handling of materials and chemicals that may pose a risk to soil;</li> <li>A comprehensive waste management plan shall be prepared by the contractor and implemented. All the solid waste generated during construction</li> </ul>                                                                                                                                                                                                                                                                                                                                          | To be carried out. | CEE, and Supervision Consultant (SC) to monitor. |

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|  |  |  | <p>and from camp sites shall be safely managed and disposed of at the existing municipal waste disposal site of Telai Khaakh;</p> <ul style="list-style-type: none"> <li>▪ Burning of waste will be prohibited;</li> <li>▪ The hazardous waste shall be stored in closed containers, with proper labelling of containers, including the identification and quantity of the contents, hazard contact information. It will be safely disposed of in an EPA-registered hazardous waste facility within the province;</li> <li>▪ The solid waste will be disposed of in the existing solid waste disposal site of Telai Khaakh to protect the underground water from contamination;</li> <li>▪ Training of employees involved in the transportation of hazardous material regarding emergency procedures;</li> <li>▪ Ensure the availability of emergency response services on a 24-hour basis, including trained medical staff, first-aid and medical kits, firefighting equipment (such as extinguishers and breathing apparatus), and ambulance services;</li> </ul> |  |  |
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|    |                                                                                                                                                      |                                                                                                                                                      | <ul style="list-style-type: none"> <li>▪ The sewage system for the campsite will be properly designed (pit latrines or, as required, septic tanks) to receive all sanitary wastewaters;</li> <li>▪ Lined wash areas will be constructed at the site for the receipt of wash waters from construction machinery;</li> <li>▪ All the stored hazardous materials shall be securely covered to prevent any possible leakage during heavy rainfall;</li> <li>▪ Locating stockpiles of material at such places to minimize potential visual impact; and</li> <li>▪ Minimizing the land intake of stockpile areas as far as possible.</li> </ul> |                    |                                                       |
| 6. | Removal of Asbestos, causing health risks due to asbestos fibers contaminating air, soil, and water. Lung's cancer and mesothelioma are known risks. | To eliminate health risks to workers and the public by controlling, containing, and preventing the release of hazardous fibers into the environment. | <p>During the demolition of buildings, once it is established that Asbestos material is present in the underground wastewater pipes of the old building to be demolished, the following measures will be ensured:</p> <ul style="list-style-type: none"> <li>▪ A licensed and Qualified firm will be engaged to identify and plan for safe management, storage, and disposal of asbestos-containing materials;</li> <li>▪ Use of specific PPEs will be ensured at the time of removal, storage, and disposal;</li> <li>▪ Apply a wetting agent (Water, etc) to reduce</li> </ul>                                                          | To be carried out. | CEE, Supervision Consultant (SC), and PIU to monitor. |

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|  |  |  | <p>fiber release during the removal and storage process;</p> <ul style="list-style-type: none"> <li>Asbestos waste must be securely packaged: sealed, labeled, and placed in leak-tight containers or heavy-duty plastic bags;</li> <li>Asbestos-containing materials will be stored in closed containers away from direct sunlight, wind, and rain;</li> <li>Limiting access to waste storage areas to only those employees who have received proper training;</li> <li>Identifying (label) and demarcating the area, including documentation of its location on a facility map or site plan;</li> <li>All waste containers designated for off-site shipment should be secured and labeled with the contents and associated hazards, and be properly loaded on the transport vehicles before leaving the site;</li> <li>During transport, vehicles should be enclosed to prevent fiber release, and containers should remain intact;</li> <li>Safe disposal of the containers in the EPA, KP-registered hazardous waste facility in accordance with the approved rules and standards</li> </ul> |  |  |
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|   |                                                         |                                                                                                                                                                                                                                                                                                                                                                                                            | <p>within the province;<br/>and</p> <ul style="list-style-type: none"> <li>Area, equipment, and PPEs will be decontaminated.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                    |                                                       |
| 7 | Health and safety of workers and associated communities | To reduce the health and safety risks to construction workers and the nearby communities arising from general construction activities, with particular emphasis on hazards related to demolition works, working at heights, fire and explosion, slips, trips and falls, electro-mechanical hazards, exposure to hazardous materials and biological agents, and risks associated with unstable foundations. | <ul style="list-style-type: none"> <li>Obligatory insurance against accidents for laborers/workers shall be ensured;</li> <li>Basic medical training shall be imparted to specified work staff, and basic medical service and supplies to workers (first aid medical supplies and medicine, ambulance service) shall be made available at the site;</li> <li>Layout plan for campsite, indicating safety measures taken by the contractor, e.g., firefighting equipment, safe storage of hazardous material, first aid, security, fencing, and contingency measures in case of accidents;</li> <li>Work safety measures and good workmanship practices are to be followed by the contractor to ensure no health risks for laborers;</li> <li>Protection devices (ear muffs) should be provided to the workers doing a job in the vicinity of high noise-generating machines;</li> <li>Provision of protective clothing for laborers handling hazardous materials, e.g., a helmet, adequate footwear</li> </ul> | To be carried out. | CEE, Supervision Consultant (SC), and PIU to monitor. |

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|  |  |  | <p>for bituminous pavement works, protective goggles, and gloves, etc;</p> <ul style="list-style-type: none"> <li>▪ Ensure strict use of protective clothing and other necessary equipment during work activities;</li> <li>▪ Emergency number shall be placed at worksites;</li> <li>▪ Develop a contingency plan to address major accidents, including fires, explosions, chemical spills, structural failures, and natural disasters;</li> <li>▪ The construction supervisor must ensure that only authorized workers shall be allowed inside the construction site boundary, and that all non-workers — including visitors, passersby, and especially children — are strictly prohibited from entering. The contractor shall develop a procedure/protocol to be followed by all official visitors at the specific site. The PIU, C&amp;W shall approve the said procedure/protocol;</li> <li>▪ The contractor shall provide and maintain adequate traffic management and safety controls at internal road improvement sites. This includes installing clear and visible</li> </ul> |  |  |
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|  |  |  | <p>signage, lighting devices, physical barriers, and warning tape, as well as deploying trained flag personnel to ensure safe movement of vehicles, equipment, and pedestrians;</p> <ul style="list-style-type: none"> <li>▪ There shall be proper control on construction activities, and the oil spillage and leakage from vehicles could be controlled on site by conducting routine inspections of the engine, transmission, and hydraulic systems, checking and replacing worn-out seals, gaskets, hoses, and filters, and monitoring oil levels frequently to detect abnormal loss;</li> <li>▪ Efforts will be made to create awareness about road safety among the drivers operating construction vehicles;</li> <li>▪ The contractor shall ensure timely and accessible public notification regarding all planned road improvement activities. Notifications shall include the nature of works, expected start and end dates, potential traffic or access disruptions, and available detour routes. Information must be disseminated through appropriate channels—such as</li> </ul> |  |  |
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|  |  |  | <p>local notice boards, community meetings, to allow the public to prepare and minimize inconvenience;</p> <ul style="list-style-type: none"> <li>▪ The contractor shall install and maintain appropriate safety and diversion signage at all construction and road improvement areas, with special emphasis on sensitive locations and accident-prone sections of the road. Signage must be clearly visible, compliant with applicable traffic safety standards, and placed at a sufficient distance to adequately warn and guide road users, ensuring safe navigation around the construction zone and road improvement spots;</li> <li>▪ Setting up speed limits in close consultation with the local stakeholders;</li> <li>▪ Workers who shall be reported as ill or exhibit possible symptoms shall be restricted from entering the work site. They shall be promptly isolated and referred to local medical facilities for immediate care;</li> <li>▪ The communicable disease of most concern during the construction phase, like sexually-transmitted diseases</li> </ul> |  |  |
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|  |  |  | <p>(STDs) such as HIV/AIDS, should be prevented by successful initiatives typically involving health awareness, education initiatives, training of workers in disease treatment, immunization programs, regular medical checkups of labor and staff, and providing health services;</p> <ul style="list-style-type: none"> <li>▪ Reducing the impacts of vector-borne diseases on long-term health effects of workers should be accomplished through the implementation of diverse interventions aimed at eliminating the factors that lead to disease, which include prevention of larval and adult propagation of vectors through sanitary improvements and elimination of breeding habitat close to human settlements, and by eliminating any unusable impounding of water;</li> <li>▪ A supply of safe drinking water will be made available and maintained at the project site(s);</li> <li>▪ Chlorinated disinfecting spraying must be conducted at the work site(s); and</li> <li>▪ Proper hygiene practices in the toilets and washrooms will</li> </ul> |  |  |
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|   |            |                                                                                                                                                                                                                   | <p>be implemented with proper and adequate use of soaps and disinfectant spray.</p> <p>In addition to the above general protective measures for the laborer and adjoining community, the contractor and his/her supervisory staff will provide and ensure the specific protective measures, such as:</p> <ul style="list-style-type: none"> <li>▪ Provide training and awareness to the concerned staff on handling, storage, and safety of gas cylinders;</li> <li>▪ Approved demolition plan, utility isolation, barricading, and dust suppression;</li> <li>▪ Guardrails, certified scaffolding, safety nets, harnesses, and permit-to-work system;</li> <li>▪ Fire prevention plan, controlled storage of flammables, hot-work permits, provision and location of firefighting equipment;</li> <li>▪ Good housekeeping, clear walkways, adequate lighting, and spill control.</li> </ul> |                    |            |
| 8 | Labor Camp | To minimize loss of assets and vegetation due to labor movements, prevent environmental degradation from construction camps, and ensure the camp's presence does not cause any concerns for the nearby community. | <ul style="list-style-type: none"> <li>▪ All the workers staying in the camp will be issued ID cards for security purposes;</li> <li>▪ Provision of all required medical health facilities (first aid boxes, reasonable stock of commonly used medicines) in the camp for emergency health services;</li> <li>▪ The camp will be properly fenced and</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | To be established. | Contractor |

|   |                 |                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                  |                                                 |
|---|-----------------|------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------|
|   |                 |                                                                  | <p>gated to prevent the entry of outsiders into the camp;</p> <ul style="list-style-type: none"> <li>▪ Entry for the local community/any unauthorized persons at the campsite will be prohibited;</li> <li>▪ Preparation of Waste Management Plan addressing the classification, storage, and disposal of all solid wastes and the training of employees for handling the hazardous materials;</li> <li>▪ Training will be provided to all staff members and laborers on camp management rules and overall discipline, and cultural awareness; and</li> <li>▪ The contractor will submit a labor camp management plan.</li> </ul> |                                                                  |                                                 |
| 9 | Flora and fauna | To protect, conserve, and minimize the impact on flora and fauna | <ul style="list-style-type: none"> <li>▪ All efforts will be made to protect and conserve the existing trees and shrubs;</li> <li>▪ At the subproject site, there are 15 Eucalyptus trees, and approximately 5 trees will be cut down to clear the space for the proposed building. Each cut-down tree will be replaced with 10 trees of local species in the available land. The cost of the additional plantation is covered in PC I of the subproject under the "External Development" head;</li> </ul>                                                                                                                        | To be initiated, once the construction activities are completed. | CEE and, Supervision Consultant (SC) to monitor |

|  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|  |  |  | <ul style="list-style-type: none"> <li>▪ For internal road improvement works, the contractor shall confine all activities within the existing road corridor to avoid unnecessary land disturbance. Existing trees and vegetation shall be protected through appropriate measures such as physical barriers;</li> <li>▪ The Contractor's staff and labor will be strictly directed not to damage any vegetation, such as trees or bushes;</li> <li>▪ Contractor will provide gas cylinders at the camps for cooking purposes, and cutting of trees/bushes for fuel will not be allowed;</li> <li>▪ Hunting and poaching of animals will be strictly prohibited, and the Contractor will warn their labor accordingly;</li> <li>▪ The camps will be properly fenced and gated to prevent the entry of animals in search of edible goods;</li> <li>▪ Waste from the camps will be properly disposed of to prevent the chances of being eaten by animals, which may become hazardous to them;</li> <li>▪ Special measures will be adopted to minimize impacts on the birds, such as avoiding noise-generating activities</li> </ul> |  |  |
|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

|    |                       |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                |                                                       |
|----|-----------------------|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------|
|    |                       |                                                  | <p>during critical periods of breeding; and</p> <ul style="list-style-type: none"> <li>Staff working on the project should be given clear orders not to shoot, snare, or trap any bird.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                |                                                       |
| 10 | Traffic Management    | To minimize traffic problems in the project area | <ul style="list-style-type: none"> <li>A proper traffic management plan will be prepared by the contractor at the time of starting the construction in accordance with the on-ground site conditions, submit it to the PIU C&amp;W for approval, and later, for monitoring purposes, and implemented to avoid traffic jams/public inconvenience within the colony;</li> <li>Movement of vehicles carrying construction materials should be restricted during the daytime to reduce traffic load and inconvenience to the residents; and</li> <li>The executing agency must maintain liaison between the residents/visitors, travelers, and the contractor to facilitate traffic movement during the construction stage.</li> </ul> | To be prepared before the construction begins. | CEE, Supervision Consultant (SC), and PIU to monitor. |
| 11 | Communicable diseases | To minimize the spread of Communicable diseases  | <p>A communicable disease prevention program will be prepared by the contractor for construction workers or residents near the construction sites and made public before the construction work starts.</p> <ul style="list-style-type: none"> <li>Reporting employees</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                   | To be prepared before the construction begins. | Contractor H&S person.                                |

|                          |                |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                  |     |
|--------------------------|----------------|--------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-----|
|                          |                |                                                                                | <p>and laborers showing symptoms such as fever or high body temperature, coughing, difficulty breathing, or chest pain, and sending them to a clinic or the nearest hospital immediately;</p> <ul style="list-style-type: none"> <li>▪ Awareness and implementation of the Quarantine Procedure for all employees who have come back from vacation;</li> <li>▪ Ensure Disinfection of offices, work areas, and machinery periodically; and</li> <li>▪ Provision of face masks, instruction boards, and signage at different locations for health hazards awareness.</li> </ul> |                                                  |     |
| <b>Operational Phase</b> |                |                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                  |     |
| 1                        | Natural Hazard | To minimize the risk of structural collapse and flooding in the Tehsil complex | <ul style="list-style-type: none"> <li>▪ A technical committee, formed by the Tehsil Administration, will carry out a detailed scrutiny inspection of all the Engineering drawings of the buildings to ensure that the foundation and the structure are strong enough to withstand normal conditions of earthquake impacts;</li> <li>▪ Inspections should be conducted at appropriate intervals, three-month or six-month intervals, by qualified personnel to ensure the integrity of structures; and</li> </ul>                                                              | To be carried out on completion of construction. | PIU |

|   |          |                                             |                                                                                                                                                                                                                                                                                                                                                                                                                          |                    |     |
|---|----------|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----|
|   |          |                                             | <ul style="list-style-type: none"> <li>Develop an emergency response plan for the rainwater flooding in the sup project site.</li> </ul>                                                                                                                                                                                                                                                                                 |                    |     |
| 2 | Waste    | To minimize and store the solid waste       | <ul style="list-style-type: none"> <li>An appropriate waste management system shall be in place during the operational phase. It will integrate technical measures (segregation, treatment, disposal), administrative controls (planning, monitoring, compliance), and community engagement (awareness, collaboration) to ensure sustainability and regulatory alignment.</li> </ul>                                     | To be carried out. | PIU |
| 3 | Drainage | To prevent flooding and pooling             | <ul style="list-style-type: none"> <li>Routine inspection and maintenance of the drainage system, to make sure that the drains are not blocked due to solid waste, shall be scheduled and implemented.</li> </ul>                                                                                                                                                                                                        | To be carried out. | PIU |
| 4 | Flora    | To maintain the flora in the Tehsil complex | <ul style="list-style-type: none"> <li>Routine monthly inspection will be carried out to check the maintenance of the Tehsil complex;</li> <li>Weeds will be monitored weekly and removed no less than every two weeks;</li> <li>Any tree that poses a concern to public safety will be immediately barricaded and evaluated by an ecologist. Issues of immediate concern would be trees or branches that are</li> </ul> | To be carried out. | PIU |

|  |  |  |                                                                                                                                                                                                                                                                                                                                                    |  |  |
|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
|  |  |  | <p>leaning or broken, that may fall onto an area of pedestrian or vehicular activity;</p> <ul style="list-style-type: none"> <li>▪ Use of fertilizers in open spaces should be strictly monitored to avoid any incidents such as direct contact with humans, eating by the birds; and</li> <li>▪ Natural nutrients should be preferred.</li> </ul> |  |  |
|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|

Environmental Monitoring is undertaken during both the construction and operational phases to ensure the effectiveness of the proposed mitigation measures. Certain environmental parameters are selected, and quantitative & qualitative analyses will be carried out by the contractor from an EPA, KP's registered laboratory. The results of the analysis will be compared with the guidelines, standards, and pre-project conditions to determine whether the EMP and its implementation are effective in mitigating impacts.

Parameters to be analyzed during pre-construction, construction & operation of the project, responsibilities for monitoring have been discussed and provided in Tables 6 to 8 below:

**Table 6: 'Pre-Construction' Monitoring Plan for Baseline Development**

| Parameter to be measured     | Objective of Monitoring                                  | Parameters to be Monitored                                                                                                                                                       | Measurements                                                                                                   | Location*                                              | Frequency | Responsibility |
|------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|-----------|----------------|
| <b>Ambient Air Quality</b>   | To establish a baseline for air quality levels           | CO, NO <sub>2</sub> , SO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> , & PM <sub>10</sub> (particulate matter smaller than 10 microns) concentration at the receptor level | 1-hr and 24-hr concentration levels                                                                            | At three random receptor locations in the project area | Once      | CEE            |
| <b>Ambient Noise</b>         | To establish a baseline for noise levels                 | Ambient noise level near the receptors in the project area                                                                                                                       | A-weighted noise levels – 24 hours, readings taken at 15s intervals over 15 min. every hour, and then averaged | At three random receptor locations in the project area | Once      | CEE            |
| <b>Groundwater Quality</b>   | To establish the groundwater quality in the project area | Groundwater quality in the project area                                                                                                                                          | Water samples for comparison against NEQS parameters                                                           | At two locations around the site in the project area   | Once      | CEE            |
| <b>Surface water quality</b> | To establish surface quality in the project area         | Surface water quality in the project area                                                                                                                                        | Water samples for comparison against NEQS parameters                                                           | At two locations around the site in the project area   | Once      | CEE            |

\* Monitoring Locations to be finalized jointly between PIU Safeguards staff and the Supervision Consultant (SC).

**Table 7: Construction Phase Monitoring Requirements**

| Project Activity and Potential Impact         | Objective of Monitoring                                       | Parameters to be Monitored                                     | Measurements                                                                                         | Location                                 | Frequency                              | Responsibility                         |
|-----------------------------------------------|---------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|----------------------------------------|
| <b>Noise</b><br>Disturbance due to noise from | To determine the effectiveness of noise abatement measures on | Ambient noise level at different locations in the project area | A-weighted noise levels – 24 hours, readings taken at 15 s intervals over 15 min. every hour at 15 m | At five random receptor locations in the | . Every month on a typical working day | Contractor's Environmental Officer, SC |

| construction activity                                                             | sound pressure levels                                                                    |                                                                                                                                                                                | from the receptors, and then averaged                                                                                                             | project area                                                                   |                                                                                                             |                                               |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>Air Quality</b><br><br>Dust emissions from construction vehicles and equipment | To determine the effectiveness of the dust control program on dust at the receptor level | CO, NO <sub>2</sub> , SO <sub>2</sub> , O <sub>3</sub> , PM <sub>2.5</sub> & PM <sub>10</sub> (particulate matter smaller than 10 microns) concentration at the receptor level | 1-hr and 24-hr concentration levels                                                                                                               | At five random receptor locations in the project area                          | Every month on a typical working day                                                                        | Contractor's Environmental Officer, SC        |
|                                                                                   |                                                                                          | Visible dust                                                                                                                                                                   | Visual observation of the size of dust clouds, their dispersion, and the direction of dispersion<br><br>Water sprinkling to settle down the dust. | Construction site<br><br>At the location of the digging Area                   | Once daily during the peak construction period<br><br>As and when the dust appears at the construction site | Contractor's Environmental Officer, SC        |
| <b>Groundwater Quality</b>                                                        | To establish the groundwater quality in the project area                                 | Groundwater quality in the project area                                                                                                                                        | Water samples for comparison against NEQS parameters                                                                                              | At five locations around the site in the project area                          | Monthly bases                                                                                               | Contractor's Environmental Engineer (CEE), SC |
| <b>Safety precautions by workers</b>                                              | To prevent accidents for workers and the general public                                  | The number of near-miss events and accidents taking place                                                                                                                      | Visual inspections                                                                                                                                | Construction site                                                              | Once Daily                                                                                                  | Contractor's Environmental Engineer (CEE), SC |
| <b>Soil Contamination</b>                                                         | To prevent contamination of soil from oil and toxic chemical spills and leakages         | Incidents of oil and toxic chemical spills                                                                                                                                     | Visual inspections and conducting soil analysis                                                                                                   | At construction sites and vehicle and machinery refuelling & maintenance areas | Once a month                                                                                                | Contractor's Environmental Engineer (CEE), SC |

|                                                                                                                                       |                                                                                 |                                                                                                                                                                        |                                                       |                                   |             |                                               |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------|-------------|-----------------------------------------------|
| <b>Solid Waste &amp; Effluent Disposal</b><br><br>Insufficient procedures for waste collection, storage, transportation, and disposal | To check the availability of the waste management system and its implementation | Inspection of solid and liquid effluent generation, collection, segregation, storage, recycling, and disposal will be undertaken at all work sites in the project area | Visual inspections<br><br>Segregated disposal records | At work sites in the project area | Once daily. | Contractor's Environmental Engineer (CEE), SC |
|---------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------------|-------------|-----------------------------------------------|

\* Monitoring Locations to be finalized jointly between PIU Safeguards staff and the Supervision Consultant (SC).

**Table 8: Operation Phase's Environmental Monitoring Plan**

| Parameter to be measured      | Objective of Monitoring                                                                             | Parameters to be Monitored                                                                     | Measurements                | Location                | Frequency | Responsibility             |
|-------------------------------|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------|-------------------------|-----------|----------------------------|
| <b>Solid Waste Management</b> | To assess whether solid waste generated from the Tehsil complex is managed as per ESMP requirements | All waste being generated is being managed and disposed of as per international good practices | Solid waste inventory audit | Tehsil Complex premises | Bi-Annual | PIU, Tehsil Administration |

## 6.2 Relocation of Employees

In the proposed subproject, the plot identified for the residential building has existing quarters that are in very depleted conditions. These quarters will be demolished to create the required space for the construction of the proposed residential building. There are officials and their families living in these quarters, and therefore, they will be temporarily displaced from their present respective quarters. A total of 50-60 people will be residing in these existing quarters that will be temporarily displaced from their present accommodation. The issue of temporary displacement was discussed with the Tehsil Administration, and they informed that they are permanent Government Employees and therefore it is the responsibility of the Tehsil Administration to arrange and provide alternate office accommodation within the existing premises or arrange accommodation outside for them during the construction of a new residential building. In view of the above discussion, there will be no livelihood disturbance of the displaced employees. It will be ensured that no staff are present in the buildings before their demolition. Also, before demolition of the building, general protective measures like ensuring workers use appropriate personal protective equipment (PPE), controlling dust and noise, securing the site with fencing and exclusion zones, and planning the demolition to proceed systematically from the top down. A Relocation Protocol for Government Employees is drafted and submitted for the approval of PCMU and the Bank. Once it is approved, it will be implemented at the subproject, and all necessary and required steps to safeguard the interests of the employees, and their families, to be relocated will be strictly followed.

### 6.3 Grievance Redress Mechanism (GRM)

The Grievance Redress Mechanism (GRM) is an institutional arrangement which provides the project's stakeholders an opportunity and a structured mechanism to submit their concerns. The grievance redress mechanism will focus on the following steps/points during the implementation process:

- Record grievances, both written and oral, categorizing and prioritizing them, and providing solutions within an agreed-upon timeframe;
- Reporting to the aggrieved parties about the resolutions regarding their grievances and the decision;
- Dissemination of various reporting channels such as complaint boxes, complaint register, PIU phone numbers, online complaint registration, and proformas for complaints.
- All information about grievance procedures, grievance forms, and responses will be available in languages readily understandable to the locals.
- During GRM orientation, inform labor and associated staff about alternative reporting channels, including the GRM register, telephone numbers, and online portals, in addition to the GRM boxes.
- All complaints received will be treated with confidentiality.

A key emphasis will be to quickly respond to all highlighted and reported concerns or grievances, as per the KPRIISP GRM Manual.

#### Grievance Registration and Resolution Process

**Submission:** Complainants can lodge grievances through:

- **Focal Person:** Deputy Director (Environment & Social), PIU C&W KP-RIISP
- **Phone:** +92 91 9224272
- **Email:** [usmanshinwari179@gmail.com](mailto:usmanshinwari179@gmail.com)
- **Website:** <https://www.cwd.gkp.pk/projects/KP-RIISP>
- **In person/letter:** House No. 8-BC, Park Road, University Town, Peshawar, Khyber Pakhtunkhwa
- **Complaint Box/Registers** at site offices

**Recording and Categorization:** All grievances (oral or written) will be registered, categorized (urgent/regular), and logged in a centralized GRM database.

#### Investigation and Resolution:

The Deputy Director (E&S) will coordinate with C&W PIU staff or field officers to investigate the issue. The resolution will be shared with the complainant within the agreed timeframe.

#### Follow-up and Feedback:

The complainant will be informed in writing (or preferred method) of the decision/resolution and any follow-up actions.

#### Appeal and Escalation Mechanism:

If not satisfied, complainants may escalate the issue to:

- **Project Coordination & Management Unit (PCMU), P&D Department**
  - **Focal Person:** Senior Social Development Specialist
  - **Phone:** 091-9213022
  - **Email:** ssds@kp-riisp.gov.pk
  - **Address:** Civil Secretariat, Peshawar, KP

#### Grievance Redress Committee (GRC)

To support timely grievance handling, a Grievance Redress Committee (GRC) has been formed at the PIU level. The GRC will meet on a regular basis (or as needed) to address escalated or complex grievances.

### Composition of GRC (PIU C&W):

| Designation/Organization                                                             | Position in PIU GRC  |
|--------------------------------------------------------------------------------------|----------------------|
| PD PIU C&W                                                                           | Head/convener of GRC |
| DD E&S PIU C&W                                                                       | Secretary of GRC     |
| DD Procurement Specialist PIU C&W                                                    | Member               |
| Tehsil/District Focal Person                                                         | Member               |
| Contractor                                                                           | Member               |
| Community Representative(s)                                                          | Member               |
| Environment/Social/Gender Specialist, Meinhardt Consultant, PIU C&W                  | Observer             |
| Co-opted/Invited member(s)<br>E.g. complainant, lawyer, relevant govt. Official, etc | Member/Observer      |

### Composition of the GBV GRC (PIU C&W):

| Composition                                                         | Status             |
|---------------------------------------------------------------------|--------------------|
| Project Director, PIU C&W, KP-RIISP                                 | Chairman           |
| Deputy Director, Procurement Specialist, PIU C&W, KP -RIISP         | Secretary / Member |
| Deputy Director, (E&S), PIU C&W, KP-RIISP                           | Member             |
| Gender Specialist (Female), Meinhardt Consultant, PIU C&W, KP-RIISP | Observer           |
| Social Specialist, Meinhardt Consultant, PIU C&W, KP-RIISP          | Observer           |
| Any Co-opt member                                                   | Member/observer    |

### Working Arrangements:

GRC meeting will be held at the PIU or any other location agreed by the Committee. If needed, GRC members may undertake field visits to verify and review the dispute issues.

If the affected person is not satisfied with the decision of GRC at PMU, then it can be referred to the Project Steering Committee for resolution. If the complainant does not accept the resolution, or chooses to accept it, this will be confirmed in writing. The complainant may also seek redress through courts or other mechanisms available in case of non-acceptance.

### GRM Awareness and Capacity Building

- Awareness sessions will be conducted for laborers, contractors, local communities, and other stakeholders, including specific awareness on GBV & SEA/SH risks, survivor-centred reporting mechanisms, and confidential redressal procedures.
- Orientation on GRM and GBV-specific grievance reporting channels, procedures, confidentiality protocols, and available support will be integrated into community consultations and labor inductions.
- GBV-specific Grievance Redress Committees (GRCs) will be established/engaged as applicable, ensuring safe, confidential, and survivor-centred handling of complaints.
- GRM and GBV reporting information, including helpline numbers and contact details, will be displayed through posters and brochures at all construction and project sites.

## 6.4 Capacity Building and Training

To raise the level of professional and managerial staff, there is a need to upgrade their knowledge in the related areas. The SC will play a key role in this respect and supervise the arrangements for training.

The contractor's environmental awareness and appropriate knowledge of environmental protection is critical to the successful implementation of the ESMP, as without appropriate environmental awareness, knowledge, and skills required for the implementation of the mitigation measures, it would be difficult for the contractor's workforce to implement effective environmental protection measures. A suitable training program is proposed to train the Contractor's staff who will be involved in the Construction Phase and the professional staff from the client involved at the operational stage of the project. The details of this training program are presented in Table 8 below.

**Table 9: Personnel Training Program**

| Provided by                                                                        | Contents                                                                                                                                                                     | Trainees/Events                                                               | Duration |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|----------|
| Consultants/ organizations Specializing in environmental management and monitoring | Short training session, on: Environmental laws and regulations, daily monitoring and supervision                                                                             | Two training sessions, one For PIU staff and one for Contractor project staff | 2 Days   |
| Consultants/ organizations specializing in Occupational health and Safety          | Short lecture relating to Occupational Safety and Health                                                                                                                     | One seminar for contractor's staff                                            | 1 Day    |
| Consultants/ organizations specializing in Grievances Redressal Mechanism          | Training session on What is GRM, and how It's working, and who to be approached for redressal of complaint, and awareness session on GBV& SEA/SH and its associated elements | One session for the Surrounding community.                                    | 1 Day    |

## 6.5 Institutional Arrangements and Roles

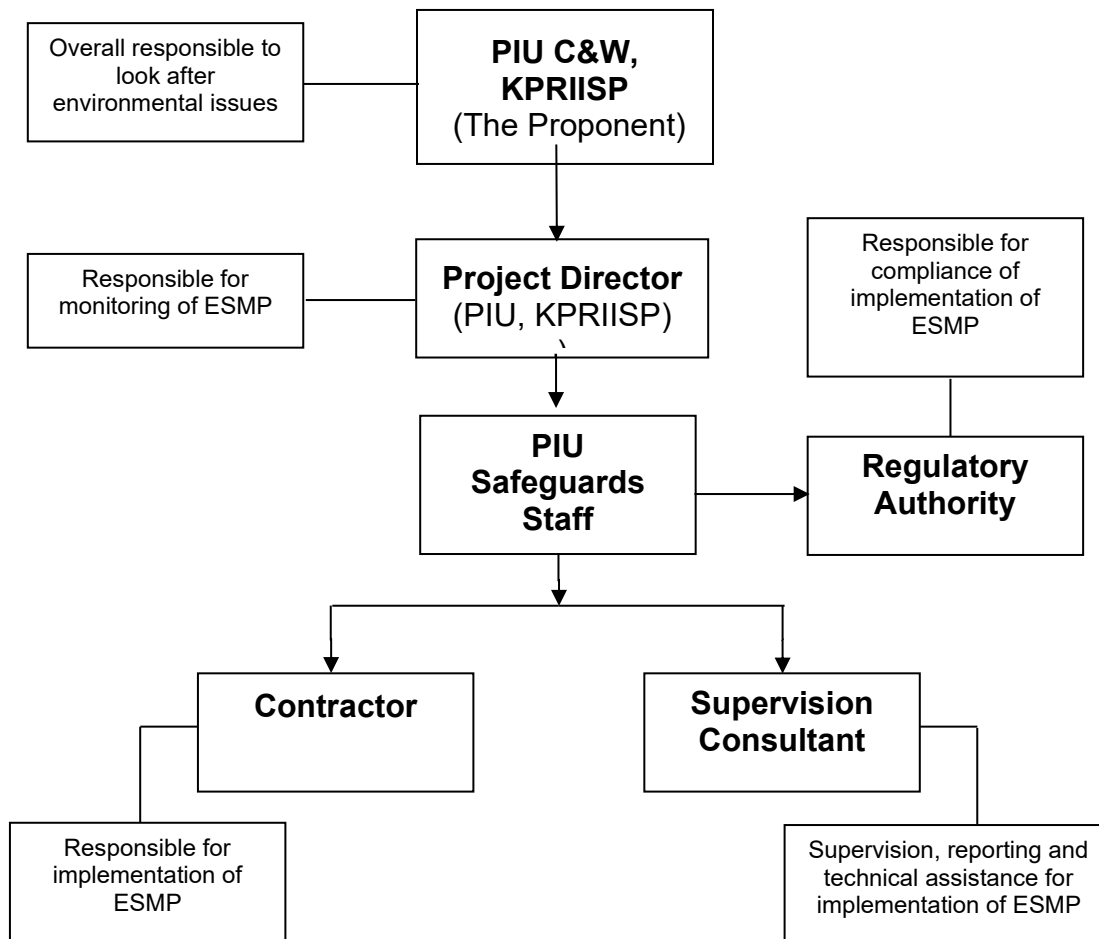
The main purpose of the ESMP is to provide a strategy for environmental protection. According to ESMP, all the activities associated with the project will be controlled and monitored during the design, construction, and operation phases. EMP will propose a plan of action that will indicate responsibilities and required measures to prevent or minimize the potential environmental impacts.

The following functionaries will be involved in the implementation of ESMP:

- Project Implementation Unit (PIU);
- Supervision Consultant's Environmental Engineer;
- Contractor's Site Environmental Engineer; and
- EPA, KP (Regulatory Authority)

The organizational set-up for the implementation of ESMP is shown in **Figure 1** below.

**Figure 1: Organizational Setup for Implementation of ESMP**



The PIU C&W will be overall responsible for the implementation of this ESMP and the environmental management and supervisory affairs during the construction phase of the proposed project. For effective environmental management, the PIU will assign the necessary responsibilities through the Project Director to an Environmental Expert and a Social Expert in implementing the mitigation measures proposed in the ESMP. The PCMU will monitor the overall implementation of the respective ESMP to make sure all the recommended protective and safety measures are implemented in its later letter and in spirit.

The ESMP will be part of the Bidding documents. On mobilization of the contractor for the subproject implementation, the contractor will prepare and submit the Contractor Social Management Plan (CESMP) to the PIU. The Contractor will be responsible for the implementation of ESMP under the Supervision Consultant. The Contractor shall be bound to follow the provisions of the Contract documents, especially regarding environmental protection, and apply good construction techniques and methodology without damaging the environment. The Contractor must safeguard, mitigate adverse impacts, and rehabilitate the environment should be addressed through environmental provisions in the Contract document and through adequate implementation at the site. The Regulatory Authority will be responsible for the compliance with the implementation of ESMP.

### 6.5.1 Project Implementation Unit (PIU)

Design and Construction of the project is the core responsibility of PIU, C&W. The major role and responsibilities related to environmental and social tasks are as follows:

- To ensure that the Project design and specifications are adequately reflected in the ESMP.
- To ensure the Project's compliance with the environmental regulations and donor requirements.
- Setting up systems for environmental management.
- Ensuring that the Contractor(s) develop their own, and carry out, Environmental Management Plan that are consistent with the ESMP;

### 6.5.2 Responsibilities of the Environmental Engineer of the Supervision Consultant

The Environmental Engineer (EE) of the Supervision Consultant (SC) will oversee the performance of the Contractor through periodic monitoring to make sure that the Contractor is carrying out the work following ESMP.

The EE of SC will provide guidance to the Contractor's Environmental Engineer for implementing each of the activities as given in the ESMP. The EE of SC will be responsible for record keeping, providing instruction through the Resident Engineer (RE) for corrective actions, and ensuring compliance with various statutory and legislative requirements. The EE will maintain close coordination with the Contractor and PIU for the successful implementation of environmental safeguard measures. However, the overall responsibilities of the EE of SC are as follows:

- Directly reporting to the RE;
- Discussing various environmental issues and environmental mitigation, enhancement, and monitoring actions with all concerned directly or indirectly;
- Inspect, supervise, and monitor all the construction and allied activities related to the EMP for the project
- Assist the RE to ensure the environmentally sound engineering practices;
- Assisting the contractor and PIU in all matters related to public contacts, including public consultation on environmental and community health & safety issues;
- Assisting PIU Safeguards staff to carry out environmental monitoring;
- Organizing training for the EE of Contractor and field staff; and
- Preparing and submitting monthly and quarterly environmental progress/ compliance reports to the PIU.

### 6.5.3 Responsibilities of the Environmental Engineer of the Construction Contractor

The Site Environmental Engineer of the Construction Contractor will carry out the implementation of mitigation measures at the construction site. The Construction Contractor will be bound through the Contract documents to appoint the Site Environmental Engineer with a relevant educational background and experience. Responsibilities of the EE of the Contractor are as follows:

- Preparing sub plans, including monitoring plan, traffic control/diversion plan, site rehabilitation plans, etc., and will submit all the plans to the EE of SC.
- Implementation of ESMP and taking effective measures against the corrective actions plan;
- Preparing the compliance reports as per the schedule and will submit them to the SC;
- Providing proper Personal Protective Equipment (PPEs) to the workers and training them for their proper use; and
- Providing environmental and health & safety training to the workers /labor.

## 6.6 Labor Camp Management

Campsite will be selected in consultation with the District Administration, PIU C&W at a suitable location once the contractor is mobilized on site on an adequate area for establishing camp sites, including parking areas for machinery, stores, and workshops, access to local markets, and an appropriate distance from sensitive areas and existing residences

in the vicinity, the specific details of the labor camp management are provided in Annexure-8. It is anticipated that around 10-12 laborers will be present at the camp during the construction phase of this subproject. The area required for construction camps will depend upon the deployed manpower and the type and quantity of machinery mobilized; however, the estimated area required is 1000-1500 square yards for each campsite. However, CESMP (CESMP will be prepared by the contractor before the start of construction) and other local considerations will be considered before the final selection of the campsite.

## 6.7 Occupational Health and Safety

Occupational Health and Safety (H&S) related impacts will arise during construction stage activities, including clearing of earth, levelling, compaction, pavement finishing, and testing & commissioning. The falls during inspection or maintenance of pile rigs, steel fixing bridges, framework erection, and other related activities may also occur. Eye injury can be caused by stone or metal particles. The hazards of being hit by falling objects, major hand-arm and whole-body vibration hazards, skin and respiratory tract irritation from exposure to cement dust, overexertion, awkward postures, etc., will be another impact. Welding hazards include electric shock, fumes and gases, fire and explosions, falls from height, eye and head injuries, etc. The contractor will take all protective measures and provide the Personal Protective Equipment to the laborers during the construction to minimize the OSH risks and ensure the safety of the laborers at the site. The contractor will prepare a Site Specific OH&S plan; the main components of the plan are provided in Annexure-9, and submit to PIU. Strict monitoring by the PIU and the Supervision Consultant team will be conducted during the construction stage to ensure compliance with the ESMP mitigation and safety measures.

## 6.8 GBV/SEA/SH Risk Mitigation:

To mitigate risks of Gender-Based Violence (GBV), Sexual Exploitation and Abuse (SEA), and Sexual Harassment (SH), the contractor will develop a site-specific Code of Conduct (CoC) and Grievance Redress Mechanism (GRM) in line with the approved KPRIISP GRM Manual (May 2025). These documents will be submitted to the PIU for review and approval within 30 days of contract signing and before the commencement of civil works. The CoC will be signed by all workers, including subcontractors, and refresher GBV/SEA/SH awareness trainings will be conducted regularly. KPRIISP Code of Conduct (GBV and SEA/SH Prevention) is attached as Annex-10.

The GRM will include confidential reporting channels and survivor-centered protocols for handling GBV-related complaints. The PIU will monitor compliance, maintain oversight of CoC implementation, and facilitate referral of survivors to appropriate support services.

## 6.9 Budget for ESMP Implementation

Environmental Monitoring is undertaken during both the construction and operational phases to ensure the effectiveness of the proposed mitigation measures. Certain environmental parameters are selected, and quantitative & qualitative analyses are carried out. The results of the analysis are compared with the guidelines, standards, and pre-project conditions to determine whether the EMP and its implementation are effective in mitigating impacts. This section discusses parameters to be analyzed during the project's construction and operation, responsibilities for monitoring and reporting, and monitoring costs. Tables 10 to 14 below provide the respective monitoring to be conducted during the subproject development phases: the Pre-Construction Phase, Construction, and Operation Phases.

**Table 10. Cost Estimates for 'Pre-Construction Phase' Environmental Monitoring**

| Monitoring Component | Parameters                                                                                            | Quantity                     | Amount PKR | Details                               |
|----------------------|-------------------------------------------------------------------------------------------------------|------------------------------|------------|---------------------------------------|
| Air Quality          | CO, NO <sub>2</sub> , SO <sub>2</sub> ,<br>O <sub>3</sub> , PM <sub>2.5</sub> , &<br>PM <sub>10</sub> | 3 (1 time at 5<br>locations) | 90,000     | 3 readings @ PKR 30,000<br>per sample |

|                      |       |                           |                |                                     |
|----------------------|-------|---------------------------|----------------|-------------------------------------|
| Noise Levels         | dB(A) | 3 (1 time at 5 locations) | 90,000         | 3 readings @ PKR 30,000 per reading |
| Ground Water Quality | NEQS  | 3 (1 time at 5 locations) | 90,000         | 2 readings @ PKR 30,000 per sample  |
| Contingencies        |       |                           | 27,000         | 10% of the monitoring cost          |
| <b>Total (PKR)</b>   |       |                           | <b>297,000</b> |                                     |

1. For air quality monitoring: 'Passive samplers', such as test tubes, can be used, or 'Active samplers' with sorbent tubes can also be used.
2. For noise monitoring, sampling equipment with a duration greater than 1 hour can be used.

**Table 11: Cost Estimates for 'Construction Phase' Environmental Monitoring**

| Monitoring Component | Parameters                                                                                             | Quantity                            | Amount PKR         | Details                              |
|----------------------|--------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------|--------------------------------------|
| Air Quality          | CO, NO <sub>2</sub> ,<br>SO <sub>2</sub> ,<br>O <sub>3</sub> , PM <sub>2.5</sub> &<br>PM <sub>10</sub> | 27 (Quarterly basis at 5 locations) | 810,000            | 27 readings @ PKR 30,000 per sample  |
| Noise Levels         | dB(A)                                                                                                  | 27 (Quarterly basis at 5 locations) | 810,000            | 27 readings @ PKR 30,000 per reading |
| Ground Water Quality | NEQS                                                                                                   | 27 (Every month at 5 locations)     | 810,000            | 27 readings @ PKR 30,000 per sample  |
| Contingencies        |                                                                                                        |                                     | 121,500            | 5% of the monitoring cost            |
| <b>Total (PKR)</b>   |                                                                                                        |                                     | <b>2,551,500/-</b> |                                      |

**Table 12: Cost Estimates for 'Operation Phase' Environmental Monitoring**

| Monitoring Component | Parameters  | Quantity  | Amount PKR     | Details                 |
|----------------------|-------------|-----------|----------------|-------------------------|
| Waste Management     | Solid Waste | Quarterly | 200,000        | Four times @ PKR 50,000 |
| <b>Total (PKR)</b>   |             |           | <b>200,000</b> |                         |

**Table 13: Cost Estimates for Environmental Mitigation**

| Activity                                              | Basis                                                                                                                                                                                                                                                   | Cost (Rs.)         |
|-------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Medical screening for workers                         | Rs. 5000 per employee, and for 12 employees (60,000/- for one-time medical screening. There will be a change in labor at various interval so the rest of the money will cater their medical screening.)                                                 | 150,000            |
| Material Storage, handling, and use                   | Three (03) No. of tarpaulins of Rs. 25,000 each                                                                                                                                                                                                         | 75,000             |
| Handling of hazardous waste and safe storage          | Lump sum cost of the containers, marking, and safe storage before disposal.                                                                                                                                                                             | 500,000            |
| Handling/ transportation of hazardous material        | Rs. 30,000/month for 12 months will be required for the transportation of materials                                                                                                                                                                     | 360,000            |
| Asbestos material screening, storage, and management. | The cost includes screening, handling, storage, transportation, and disposal.                                                                                                                                                                           | 1,500,000          |
| Handling of solid waste                               | Rs: 21,000 per month (three trips per month) for 12 months, which includes the cost of collection, transportation, and disposal to the designated site. It includes the cost of 3 dustbins (@of Rs:6000/dustbin) to be placed at the construction site. | 270,000            |
| Cost of Personal Protective Equipment (PPE)*          | For 12 employees, the provision of dust masks, safety shoes, gloves, a first aid box, ear plugs                                                                                                                                                         | 566,000            |
| Cost of environmental training                        | Lump sum                                                                                                                                                                                                                                                | 550,000            |
| Disease Management Cost                               | Lump sum                                                                                                                                                                                                                                                | 400,000            |
| <b>Grand Total</b>                                    |                                                                                                                                                                                                                                                         | <b>4,371,000/-</b> |

**Table 14: Cost Estimates and Break-up of Personal Protective Equipment (PPEs)**

| Items                                                | Quantity                                                     | Cost / Item (Rs.) | Total Cost (Rs.) |
|------------------------------------------------------|--------------------------------------------------------------|-------------------|------------------|
| Dust masks                                           | 2000                                                         | 20                | 40,000           |
| Safety Shoes                                         | 90                                                           | 2000              | 180,000          |
| Gloves                                               | 900                                                          | 300               | 270,000          |
| Safety Helmet                                        | 50                                                           | 900               | 45,000           |
| First Aid Box                                        | 2                                                            | 8000              | 16,000           |
| Ear Plugs                                            | 500                                                          | 30                | 15,000           |
| <b>Total</b>                                         |                                                              |                   | <b>566,000/-</b> |
| Time required for Construction = 36 months           |                                                              |                   |                  |
| Number of laborers required during construction = 12 |                                                              |                   |                  |
| Dust mask                                            | 1 dust mask to be used for a week by each laborer            |                   |                  |
| Safety Shoes                                         | 1 safety shoe for six months for each laborer                |                   |                  |
| Gloves                                               | 2 pairs of gloves for each laborer for a month               |                   |                  |
| Safety Helmet                                        | 1 safety helmet for each laborer for 12 months               |                   |                  |
| First Aid Box                                        | 1 first aid box at each work site within the subproject site |                   |                  |
| Ear Plug                                             | 1 set of earplugs to be used for 1 month for each laborer    |                   |                  |

**Table 15: Total Cost for ESMP Implementation**

| Serial No. | Activity                                                                                                    | Cost in PKR        |
|------------|-------------------------------------------------------------------------------------------------------------|--------------------|
| 1.         | Cost Estimate for 'Pre-Construction Phase' Environmental Monitoring                                         | 297,000/-          |
| 2.         | Cost Estimate for 'Construction Phase' Environmental Monitoring                                             | 2,551,500/-        |
| 3.         | Cost Estimate for 'Operation Phase' Environmental Monitoring                                                | 200,000/-          |
| 4.         | Cost Estimate for Environmental Mitigation Cost                                                             | 4,371,000/-        |
| 5.         | Cost Estimate for Environmental Engineer, with intermittent input of 9-man-months @ PKR 150,000/ per month. | 1,350,000/-        |
|            | <b>Total</b>                                                                                                | <b>8,769,500/-</b> |

## 6.10 Reporting Requirements

### 6.10.1 Monitoring and Reporting Responsibilities

An ESMP can only be effective if it is regularly monitored and the results are reported to the appropriate authority, ensuring that the proposed mitigation measures are properly implemented on the ground. An environmental monitoring checklist is placed at Annexure-11. Monitoring and reporting of outcomes are shared responsibilities among all project partners. The roles and responsibilities for monitoring and reporting are distributed among the partners as follows:

- **Implementing Agency/Contractor:** Responsible for daily/weekly environmental and social monitoring and internal reporting.
- **Supervisory Consultants:** Responsible for reviewing contractor reports and submitting periodic consolidated reports to the project management unit.
- **Environmental and Social Specialists:** Oversee proper ESMP implementation and conduct spot checks.

### 6.10.2. Types of Reports Required

The table below outlines the types of reports to be prepared, their required frequency, their intended purpose, and the parties responsible for their preparation and submission.

*Table 16: Types, frequency and purpose of reports*

| Serial No | Report Type                                                 | Frequency | Purpose                                                                                               | Responsible Party                             |
|-----------|-------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| 1         | Daily Site Report                                           | Daily     | To monitor compliance with ESMP mitigation measures on-site                                           | Contractor                                    |
| 2         | Weekly Monitoring Report                                    | Weekly    | Summarizes environmental and social performance, any incidents or complaints                          | Contractor                                    |
| 3         | Monthly Progress Report                                     | Monthly   | Overview of ESMP implementation, mitigation actions, non-compliance, and grievances                   | Contractor                                    |
| 4         | Quarterly Environmental and Social Monitoring Report (ESMR) | Quarterly | Comprehensive review of ESMP performance indicators and compliance                                    | Supervising Consultant                        |
| 5         | Incident/Accident Report                                    | As needed | Immediate reporting of major incidents, including GBV & SEA/SH affecting the environment or community | Contractor and Supervising Consultant         |
| 6         | Grievance Redress Reports                                   | Monthly   | Track grievances received, status of resolution, and time taken                                       | Grievance Redress Mechanism (GRM) focal point |

### 6.10.3. Stakeholder Reporting

An effective stakeholder reporting process ensures transparent communication, fosters accountability, and keeps all relevant parties informed about the project's progress, challenges, and compliance with environmental and social safeguards. In accordance with the approved KP RIISP SEP (March 2023), reporting will be conducted as follows:

#### Key Stakeholders for Disclosure:

- Project Management: PCMU (P&D Department) and PIUs (Line Departments).
- Regulatory/Oversight: World Bank and EPA KP.
- Local Authorities: Local Government Department (LGERDD), District Administrations, and Village/Neighborhood Councils (VC/NCs).
- Communities: Project Affected Parties (PAPs), Vulnerable Groups, and Residents.
- Civil Society: NGOs, CSOs, and Academia.

#### Reporting Mechanisms & Frequency:

- Monthly: Summaries of public grievances, inquiries, and incidents will be collated and reported to senior project management.
- Bi-Annual: Comprehensive progress reports on SEP implementation and environmental/social performance will be shared with the PCMU and the World Bank.
- Six-Monthly (Feedback Loop): Information on public engagement activities and project updates will be conveyed to community stakeholders through infographics, the project website, and digital messaging (e.g., WhatsApp).
- Public Consultation Records: Detailed records of all consultations (FGDs, consultations) must be maintained, transcribed, and included in the periodic reports.

### 6.10.4. Emergency and Contingency Reporting

In addition to regular ESMP monitoring and reporting, additional reports must be prepared by the contractor's Environmental Engineer and submitted to PIU/PCMU in the event of emergencies. An Incident Report Form is attached at Annexure-12. These may include, but are not limited to, the following:

- Immediate notification of:
  - Hazardous material spills
  - Significant ecological damage
  - Social unrest
- Submit a detailed incident report within 24–48 hours

## Annex 1. Land Coordinates of the Proposed Site

| Site                                   | Area       | Coordinates                   |
|----------------------------------------|------------|-------------------------------|
| Tehsil Complex Ekka Ghund, Mohmand     | 1.92 Kanal | 3649681.4599<br>10056217.4771 |
|                                        |            | 3649732.2000<br>10056297.8800 |
|                                        |            | 3649753.1598<br>10056391.0925 |
|                                        |            | 3649988.9150<br>10056355.4100 |
| Residence Complex, Ekka Ghund, Mohmand | 3.02 Kanal | 3649901.7256<br>10056992.4866 |
|                                        |            | 3650110.5809<br>10056919.2225 |
|                                        |            | 3650062.4601<br>10056713.9401 |
|                                        |            | 3649872.9223<br>10056738.5775 |

## Annex 2. Environmental and Social Screening Form

**Subproject:** Tehsil & Residence Complex, Ekka Ghund, District Mohmand  
**Project Implementation Unit (PIU):** Communication & Works Department (C&W)  
**Consulting Firm:** Meinhardt International Pakistan



**Name of the person who conducted the screening:** Hameed Hasan.  
**Position of the person who conducted the screening:** Senior Environmental Specialist,  
 Meinhardt International Pakistan  
**Date of screening:** August 1, 2025.

The E&S Screening procedure comprises two stages: (1) Initial screening by using the **Exclusion List** in Table 5 of the ESMF; and (2) Screening the proposed activities to identify the approach for E&S risk management. This Screening Form is the second stage of the screening process and is to be used for all subproject activities. The completed forms will be signed and kept in the Project ESF file. The World Bank may review a sample of the forms during implementation support visits.

### 1. Subproject Information:

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Subproject Title</b>                | Tehsil and Residence Complex Ekka Ghund, District Mohmand                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Subproject Location</b>             | The proposed new Tehsil and Residence complex in Ekka Ghund, Mohmand District, is situated within the existing Government Colony in Tehsil Ekka Ghund, on the main Bajaur-Mohmand Road. The site is approximately 1 km from the main Bazaar. The respective Tehsil Administration has owned the Government Compound site in Tehsil Ekka Ghund from last, approximately 60 years.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>PIU in Charge</b>                   | Communications & Works (C&W).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Estimated Cost</b>                  | Not known at this time. It will be available in the detailed design report.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Start/Completion Date</b>           | Not known at this time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Brief Description of Subproject</b> | <p>The proposed new Tehsil and Residence Complex include the Tehsil Administration Offices, line departments' offices, and Residential accommodation for the respective Tehsil Officers and staff. The proposed new subproject will be built on two different plots within the same premises. The land for the proposed Tehsil Office complex is 1.92 kanals, and that for the residence complex is 3.02 kanals, both of which are situated within the existing Government Compound.</p> <p>The Tehsil Administration and Tehsil Municipal Administration building will be multistoried, ground+2-storied. The multistory building provides Offices with allied facilities. The proposed new buildings will include Offices, public waiting areas (for both male and female visitors), public washrooms (for both males and females), kitchens on each floor, and circulation areas for easy access and circulation of officials and the public.</p> <p>In addition to the new office facilities, the proposed complex will include a ground +2 story building providing residential accommodation for Tehsil Administration staff.</p> <p>In addition, around the multistoried building blocks and along the access road, green areas with plantations will be developed to increase the green cover and aesthetics of the proposed complex.</p> |

## 2. Environmental and Social Screening Questionnaires

| Questions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Answer |    | Remarks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Yes    | No |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>ESS1: Assessment and Management of Environmental and Social Risks and Impacts</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1. Is the subproject likely to have significant adverse environmental impacts that are sensitive and unprecedented that trigger the 'Ineligible Activities' or other exclusion criteria?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        | No | The proposed subproject will have moderate environmental impacts, which can be easily mitigated on-site by adopting proper protective measures.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <p>Questions 2 and 3 below are examples. These two are critical questions in the Screening Form, as they will determine whether a sub-project can use pre-prepared ESCOPs (Environmental and social commitment plans) or needs to prepare a site-specific ESMP. If all the sub-projects are expected to be low risk, then all sub-projects may be able to use the pre-prepared ESCOPs. However, if there are some sub-project activities, such as construction of community bridges, which may propose moderate risk, these may require site-specific ESMPs to be prepared. Think of the sub-project activities in your project and separate those that may be low risk and those that may be moderate risk.</p> <p>2. Does the subproject involve <u>new construction or significant expansion</u> of ponds, solid waste management systems, shelters, roads (including access roads with ramps, elevators and tactile paths to accommodate persons with disabilities and the elderly), community centers, schools, bridges and jetties?</p> | Yes    |    | <p>The proposed subproject involves the new construction of office buildings and residential facilities for the Tehsil Administration and line departments of Tehsil Ekka Ghund, District Mohmand. Additionally, it involves the demolition of an old, empty store structure on the plot, where the Tehsil Office Building will be constructed, as well as a few existing old quarters at the site of the residential building to make the required space available for the new proposed building. There is an empty water pond in the site and the Tehsil Administration suggested filling it and making a lawn at the same spot.</p>                           |
| 3. Does the subproject involve the <u>renovation or rehabilitation</u> of any small-scale infrastructure, such as groundwater wells, latrines, showers/washing facilities, or shelters?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        | No | The proposed subproject will involve the construction of a new office and residential building, along with all the basic and allied facilities required for the offices and residences.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 4. Will construction or renovation works require new borrow pits or quarries to be opened?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        | No | No new borrow pits or quarries for the construction materials like sand and aggregate, required for the construction, will be needed, as the material will be brought from the existing licensed and approved borrow pits and quarries in the surrounding vicinity. The sand and the crushed stone for the construction will be brought from the Government-licensed borrow pits of Nowshera and Peshawar, respectively, due to their good quality. The proposed ESMP will include E&S screening of the proposed Quarry site that will be used to supply material for the construction of the Complex. The Quarry license will be attached to the proposed ESMP. |
| 5. Does the project lead to any risks and impacts on, individuals or groups who, because of their particular circumstances, may be disadvantaged or vulnerable. <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        | No | The site for the new subproject is already within government premises and will not pose any risks or negative impacts on individual groups or communities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ESS2: Labor and Working Conditions</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

<sup>1</sup> "Disadvantaged or vulnerable" refers to those individuals or groups who, by virtue of, for example, their age, gender, ethnicity, religion, physical, mental or other disability, social, civic or health status, sexual orientation, gender identity, economic disadvantages or ethnic peoples status, and/or dependence on unique natural resources, may be more likely to be adversely affected by the project impacts and/or more limited than others in their ability to take advantage of a project's benefits.

|                                                                                                                                                                                                                        |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6. Does the subproject involve uses of goods and equipment involving forced labor, child labor, or other harmful or exploitative forms of labor?                                                                       |     | No | The construction works will be contracted out to approved Government contractors through an open bidding process. Government-approved contractors are those that fully abide by the existing labor laws of the country that prohibit child and forced labor. The National Identity Cards (CNICs) will be ensured with the laborers at the time of hiring and kept as a record for monitoring.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 7. Does the subproject involve recruitment of a workforce including direct, contracted, primary supply, and/or community workers?                                                                                      | Yes |    | All the non-skilled labor will preferably be hired locally (The contractor will be guided); however, if skilled labor is not available, it can be engaged from other areas.<br>This will be further elaborated in the LMP. That would be part of ESMP. Both Contractor and SC will monitor the compliance.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 8. Will the workers be exposed to workplace hazards that need to be managed in accordance with local regulations and EHSs? Do workers need PPE relative to the potential risks and hazards associated with their work? | Yes |    | There are chances that the workers during construction and demolition activities are exposed to workplace hazards like dust, loud noise, and other hazards. These will be managed according to GOKP labor regulations and WB EHSs, and the contractor will provide the necessary PPE to the workers. All mandatory OHS requirements will be ensured.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 9. Is there a risk that women may be underpaid when compared to men when working on project construction?                                                                                                              |     | No | Generally, in Khyber Pakhtunkhwa and particularly in the merged districts, no female workers are involved in the construction activities, so underpayment to female workers will be irrelevant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ESS3: Resource Efficiency and Pollution Prevention and Management</b>                                                                                                                                               |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 10. Is the project likely to generate solid or liquid waste that could adversely impact soils, vegetation, rivers, streams or groundwater, or nearby communities?                                                      | Yes |    | The new construction will generate solid and liquid waste, but it will be handled and safely disposed of regularly from the site in an available depression site at a distance of 2-3 km from the subproject site, suitable for the construction waste disposal. The process of handling and safely disposing of both liquid and solid waste will be strictly monitored by the construction supervision consultants and the implementation agency to ensure it does not adversely impact the surrounding environment and the nearby communities.                                                                                                                                                                                                                                                                                                          |
| 11. Whether the subproject construction will use any community resources (water, sand, and gravel) and whether there is a risk of depleting these resources.                                                           | Yes |    | On the subproject site, the water requirement for construction activities will be met through a temporary arrangement from the nearby existing surface water source in near vicinity.<br>The subproject can use surface source water for construction from the nearby Swat River (approx. 12 km from the site). Sand and gravel will be procured from existing licensed borrow pits in the area.<br>These resources are sufficient to meet construction needs without depleting community supplies. This will be strictly monitored during construction and consulted local communities in this regard.<br>Stakeholder engagement will be maintained throughout to prevent resource-related issues. A Grievance Redress Mechanism (GRM) will be available for any concerns, as outlined in the project's Environmental and Social Management Plan (ESMP). |

|                                                                                                                                                                                                                                                                                                                           |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12. Do any of the construction works involve the removal of asbestos or other hazardous materials?                                                                                                                                                                                                                        | Yes |    | The proposed complex will be built on selected plot sites, and both sites are located within the Government premises. There are likely chances of old water supply and sewage pipelines having Asbestos mixed pipes. On the site, for very old buildings, the drawings record showing the water supply and sewage pipes is not available to determine the existence and location of such pipes at the site. However, during the construction, once such pipes are found, these will be carefully removed, properly stored, and safely disposed of to avoid any risks to workers and surrounding communities. The proposed ESMP of the project will provide the detailed required mitigation and protective measures. The services of the trained technical personnel will be hired for the safe management of Asbestos pipes. The budget of ESMP will include the required cost for the safe management of Asbestos, if it is present at the site.                                                                                                   |
| 13. Are works likely to cause significant negative impacts to air and / or water quality?                                                                                                                                                                                                                                 | Yes |    | During the construction of buildings, a chance exists for a moderate level of negative impact on the ambient air quality and underground water quality of the site and its immediate surrounding areas. Before the start of construction, ambient air quality and underground water tests will be conducted to establish the baseline. In the proposed ESMP, a set of protective and mitigation measures, for example, to avoid dust particulate matter entry in the air, regular water spraying of the area will be suggested. Later, at regular intervals, these tests will be performed to monitor the quality of the ambient air and water and to monitor the implementation of the ESMP. During the pre-construction stage, an awareness campaign will be conducted with residents to inform them about potential risks, the proposed measures, and complaint registration provisions in the proposed GRM. This aims to promote understanding and prevent such risks. In case of violation of the agreed mitigation, how and where to report it |
| 14. Does the activity rely on existing infrastructure (such as discharge points) that is inadequate to prevent environmental impacts?                                                                                                                                                                                     |     | No | In the surroundings of the selected sites for the Office building and residential building, have existing buildings, and they have septic tank arrangements for wastewater discharge. However, the available infrastructure has very limited capacity and will not be able to take the load of the proposed buildings. Therefore, for the proposed complex buildings, a new separate system of septic tanks with soakage pits will be constructed to accommodate the future sewage flow and safe disposal of the treated wastewater.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 15. Is there any potential to have an impact on soil or water bodies due to agro-chemicals (e.g., pesticides) used in farmlands due to the consequences of the subproject activities (e.g., development of irrigation system, agriculture-related activities, seed and fertilizer assistance, procurement of pesticides)? |     | No | No agrochemicals like pesticides will be used during the construction process. However, at the foundation level, "Anti-termite" spray will be used to protect the building components from termites in the future. The quantity, handling, and method of spraying will be strictly monitored at the site to avoid any negative impact on the soil and water. In addition, before the use of Anti-termite spray, the surrounding community will be informed, and safety signage will be displayed, and the specific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

|                                                                                                                                                                                                                                                           |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                           |     |    | area will be restricted to protect the potential health risks.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ESS4: Community Health and Safety</b>                                                                                                                                                                                                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 16. Is there a risk of increased community exposure to communicable diseases (such as COVID-19, HIV/AIDS, and Malaria), or an increase in the risk of traffic-related accidents?                                                                          |     | No | <p>The risk of increased community exposure to communicable diseases (such as COVID-19, HIV/AIDS, and Malaria) is considered low, as the construction workers' camp will be located within the subproject site, and worker movement will be largely within the worksite. Appropriate health and hygiene measures will be implemented as per the ESMP to further minimize any risk of disease transmission.</p> <p>Regarding traffic-related risks, a <b>site-specific Traffic Management Plan</b> will be developed and included in the ESMP to ensure safe vehicular movement. Construction-related traffic will be limited to designated routes and specific time windows to avoid peak community traffic hours and minimize disturbance to residents.</p>                          |
| 17. Is an influx of workers, from outside the community, expected? Would workers be expected to use the health services of the community? Would they create pressure on existing community services (water, electricity, health, recreation, and others?) | Yes |    | <p>During the construction process, around 10-12 construction workers will be present at the labor camp. The site of the labor camp will be provided in the proposed ESMP and required amenities for a safe, clean and healthy environment will be ensured. Additional mitigation measures will be provided once the location of the camp is finalized. The mitigation measures will be provided in the ESMP and costed in the BOQs. In the case of accidents and other emergencies, they will use the existing health facility present in the area. For water supply and electricity, the contractor will be making his arrangements to provide such services to their workers.</p>                                                                                                  |
| 18. Is there a risk that SEA/SH(Sexual Exploitation and Abuse, and Sexual Harassment)) may increase as a result of project works?                                                                                                                         | Yes |    | <p>Although the worker's campsite will include supervisory staff to protect against such incidents, a risk does exist. The project will follow the Labor Management Procedures prepared under ESS2 and the GBV/SEA Mitigation Plan prepared under ESS4, and ensure Contractor and labor sign the GBV/SEA/SH Code of Conduct and are provided training and awareness on this issue to assist in preventing any GBV incidents. The Occupational Health and Safety (OHS) measures and mitigation steps will be included in the proposed ESMP to ensure worker well-being and minimize risks to the host community.</p>                                                                                                                                                                   |
| 19. Would any public facilities, such as schools, health clinics, or places of worship be negatively affected by construction?                                                                                                                            | Yes |    | <p>There are some public facilities in the Government Compound area, a mosque at a distance of around 200 meters, and a school at around 250 meters from the proposed site of proposed Tehsil Office building and residential building. The location of both facilities is on separate routes from the proposed new buildings, so there are no or very low impacts on them.</p> <p>In addition, special measures will be adopted to not disturb the education process, ensure the safety of the students, teachers, visiting and admitted patients, and health staff. These measures will ensure the safety of students (like not allowing labor access to the school's area and vice versa, fencing (or gating) the construction area to ensure no intrusion, installing signage</p> |

|                                                                                                                                                                                       |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                       |     |    | warning against trespassing into school, etc). Also, measures like not using noise-producing machinery and equipment during school timings, and all loading and unloading of construction material will not be allowed during school timings.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 20. Will the subproject require the government to retain workers to provide security to safeguard the subproject?                                                                     | Yes |    | Some of the construction workers will be camped inside the site with the prior approval of the administration for security purposes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 21. Is the selected site exposed to land mines, unexploded ordnance, or explosive remnants of war?                                                                                    |     | No | The proposed subproject site has been in a declared Government Compound for approximately the last 60 years and is in use by the Government Officials of Tehsil Ekka Ghund. Therefore, the site is not in an active conflict zone.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ESS5: Land Acquisition, Restrictions on Land Use and Involuntary Resettlement</b>                                                                                                  |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 22. Will the subproject require the involuntary acquisition of new land (will the government use eminent domain powers to acquire the land)?                                          |     | No | The proposed subproject site's land is owned by the respective Administration and is Government Land, so no involuntary acquisition of new land will be required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 23. Will the subproject lead to temporary or permanent physical displacement (including people without legal claims to land)?                                                         | Yes |    | One of the sites of the subproject has an existing store room building; the construction of new facilities will require the demolition of the existing building. The said room is empty, and therefore, no displacement of staff will be involved. The proposed site for the residential building will be built on the existing old, badly conditioned few quarters, so the official and their families will be displaced (around 10-12 families) and will need alternate temporary accommodation, which will be documented in the ESMP.<br><br>A proper alternate accommodation plan will be prepared and included in the ESMP, which will ensure alternate accommodation to the temporary relocation of civil servants' families before the start of the new proposed residential building construction. |
| 24. Will the subproject lead to economic displacement (such as loss of assets or livelihoods, or access to resources due to land acquisition or access restrictions)?                 |     | No | Since all the people living there are Government employees, the temporary physical displacement will not affect the economic displacement or loss of their livelihood.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 25. Has the site of the subproject been acquired through eminent domain in the past 5 years, in anticipation of the subproject?                                                       |     | No | The proposed subproject site land has been owned by the Government for approximately the last 60 years, and has been established as the official Government Compound for the Tehsil-level Government staff here.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 26. Are there any associated facilities needed for the subproject (such as access roads or electricity transmission lines) that will require the involuntary acquisition of new land? |     | No | The existing compound already has these facilities, and therefore, the proposed subproject will use these existing services. However, some improvement and rehabilitation of existing services will be done, but no new land acquisition will be required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 27. Is private land required for the subproject activity being voluntarily donated to the project?                                                                                    |     | No | No private land acquisition is involved, whether voluntary or involuntary, as the Government owns the proposed subproject site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ESS6: Biodiversity Conservation and Sustainable Management of Living Natural Resources</b>                                                                                         |     |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 28. Does the subproject involve activities that have the potential to cause any significant loss or degradation of critical habitats <sup>2</sup> whether                             |     | No | The proposed subproject site is not situated in or near any critical or natural habitats; therefore, it would not have any adverse impacts on them.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

<sup>2</sup> Environmental and Social Standard 6, paragraph 23: "Critical habitat is defined as areas with high biodiversity importance or value, including (a) Habitat of significant importance to Critically Endangered or Endangered species, as listed in the IUCN Red List of threatened species or equivalent national approaches; (b) Habitat of significant importance to endemic or restricted-range species; (c) Habitat supporting globally or nationally significant concentrations of migratory or congregatory species; (d) Highly threatened or unique ecosystems; and (e) Ecological functions or characteristics that are needed to maintain the viability of the biodiversity values described above in (a) to (d)."

|                                                                                                                                                                                                                        |  |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| directly or indirectly, or which would lead to adverse impacts on natural habitats <sup>3</sup> ?                                                                                                                      |  |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 29. Will the project involve the conversion or degradation of non-critical natural habitats?                                                                                                                           |  | No | The proposed subproject will involve the construction of the office building, residential facilities, and demolition of few existing structures within a defined area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 30. Will this activity require the clearance of trees, including inland natural vegetation?                                                                                                                            |  | No | There are approximately 15 trees present on the site. The trees are of various kinds: Chir pine, locally known as Nakhtar (Pinus roxburghii), and Banyan tree, locally known as Barh (Ficus benghalensis). The placement of buildings within the selected plots will be done keeping in view the existing trees' location at the site. The proposed new buildings will be placed in such a manner as to affect a very minimum number of existing trees, only those that will be on the site of the proposed new buildings. The actual number of trees to be affected will be determined once the layout plan of the proposed new buildings is plotted on the ground before the execution of the foundations. The kind and number of trees to be cut down will be replaced with 7 or 10 per species, as agreed with the World Bank, or as per notification by the Government in the available open spaces around the buildings and other open spaces within the colony. However, the Eucalyptus species will be replaced with the local native tree species. |
| 31. Will there be any significant impact on any ecosystems of importance (especially those supporting rare, threatened or endangered species of flora and fauna)?                                                      |  | No | As the existing species of trees at the site are not in the category of rare, threatened, or endangered species, therefore, no significant impact on any ecosystem will occur there.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>ESS7: Indigenous Peoples / Sub-Saharan African Historically Underserved Traditional Local Communities</b>                                                                                                           |  |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 32. Are there any Indigenous Peoples or Sub-Saharan African Historically Underserved Traditional Local Communities present in the subproject area and are likely to be affected by the proposed subproject negatively? |  | No | At the site and even in the entire central part of Khyber Pakhtunkhwa, there are no Indigenous Peoples or Communities as per ESS7 that are present.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ESS8: Cultural Heritage</b>                                                                                                                                                                                         |  |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 33. Is the subproject to be located adjacent to a sensitive site (historical or archaeological or culturally significant site) or facility?                                                                            |  | No | There is no historical, archaeological, or culturally significant site or facility in the vicinity of the subproject site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 34. Locate near buildings, sacred trees or objects having spiritual values to local communities (e.g. memorials, graves, or stones) or require excavation near there?                                                  |  | No | No objects have spiritual values to local communities present within or near the subproject site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>ESS10: Stakeholder Engagement and Information Disclosure</b>                                                                                                                                                        |  |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 35. Is Stakeholder Engagement Carried out, and what are the stakeholders' views about the subproject?                                                                                                                  |  |    | A summary of the stakeholders' consultation is presented below:<br>Participants viewed the selected site as ideal for establishing the Tehsil Complex due to its central location, state ownership, accessibility from Ekka Ghund Bazaar, and the main Mohmand Agency Road. Public transport access is available. Stakeholders acknowledged that the site is accessible to all community groups, including women, the elderly, and people with disabilities. Features such as ramps, handrails, gender-segregated sanitation facilities, well-lit spaces, and shaded waiting areas will enhance comfort and                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

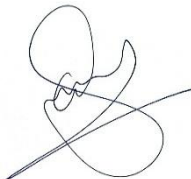
<sup>3</sup> Environmental and Social Standard 6, paragraph 21: "Natural habitats are areas composed of viable assemblages of plant and/or animal species of largely native origin, and/or where human activity has not essentially modified an area's primary ecological functions and species composition."

|  |  |  |                                                                                                                                                                                                                                                                                                                                                 |
|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  | <p>safety for all users. This proactive approach to accessibility reflects a strong social commitment to equity and inclusion.</p> <p>Stakeholders emphasized the need for integrated, proper sanitation, a sufficient water supply, improvements to the existing drainage system, and a proper solid waste collection and disposal system.</p> |
|--|--|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

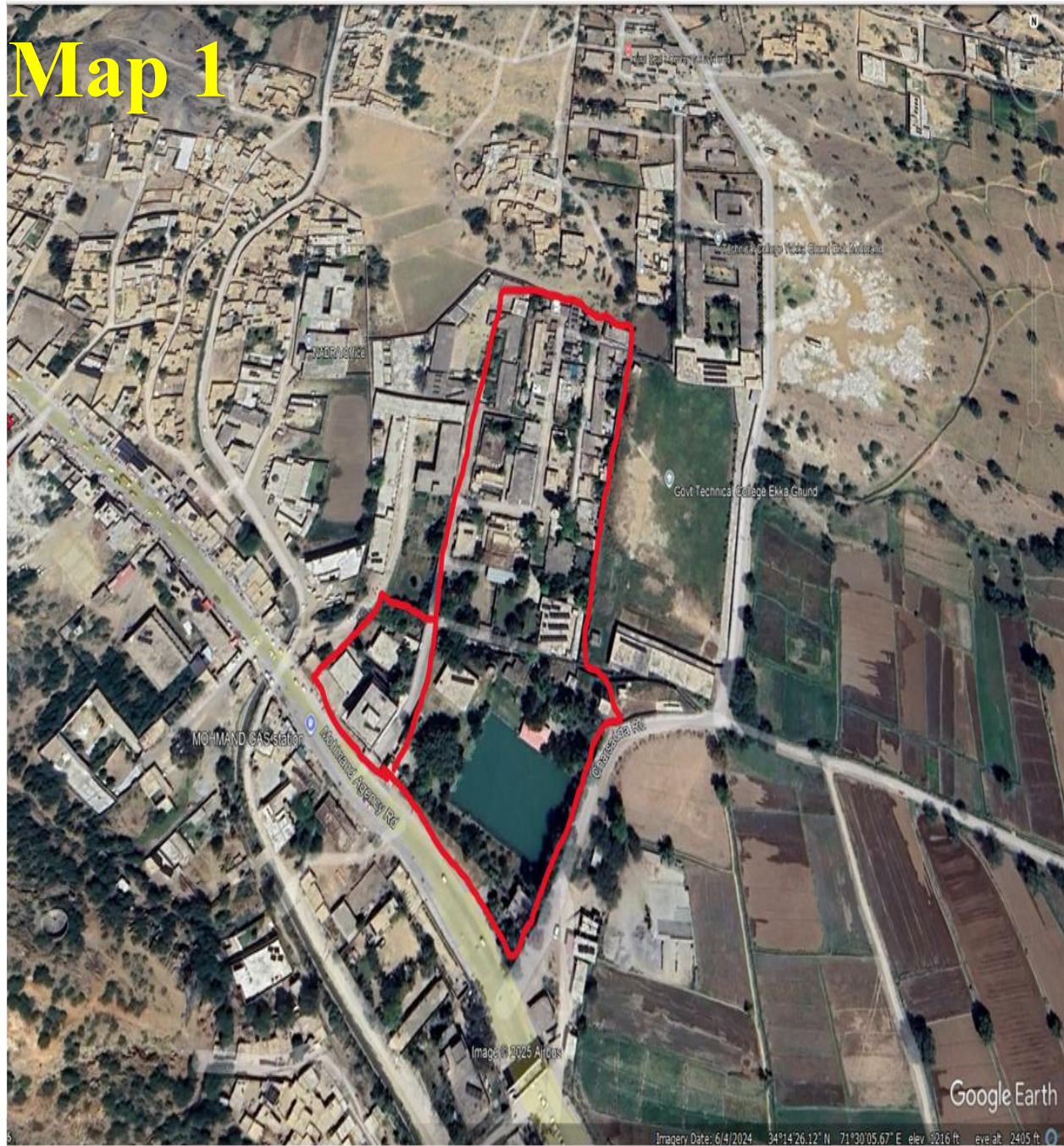
### 3. Conclusion

From the above screening checklist, it is clear that the potential environmental and social risks and impacts of the subproject are of a moderate level and for a limited construction period. These risks and impacts can easily be handled, managed, and mitigated at the local level at the site with effective and efficient regular monitoring at the site. A site-specific ESMP will be prepared to mitigate these risks.

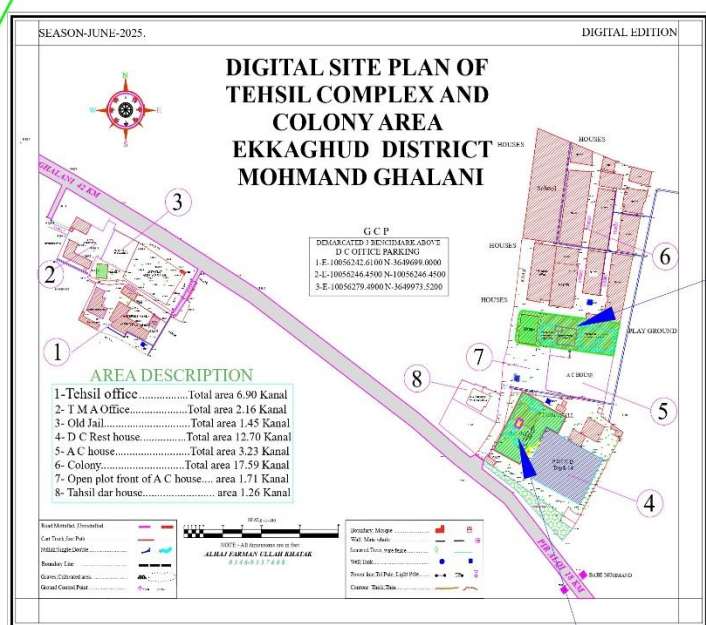
### 4. Review & Approval

|                                                                                                                                                                                                                      |                                                                                                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>Reviewed By: Usman Shinwari</b><br/> <b>Position: Deputy Director (E&amp;S) C&amp;W PIU</b><br/> <b>Date: 01/09/2025</b></p> |  <p><b>Approved By: Naveed Iqbal</b><br/> <b>Position: Project Director, C&amp;W PIU</b><br/> <b>Date: 01/09/2025</b></p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Annex 3. Maps and Architectural Drawings



# Map 2



500 M RADIUS FROM  
2BHK & 3BHK

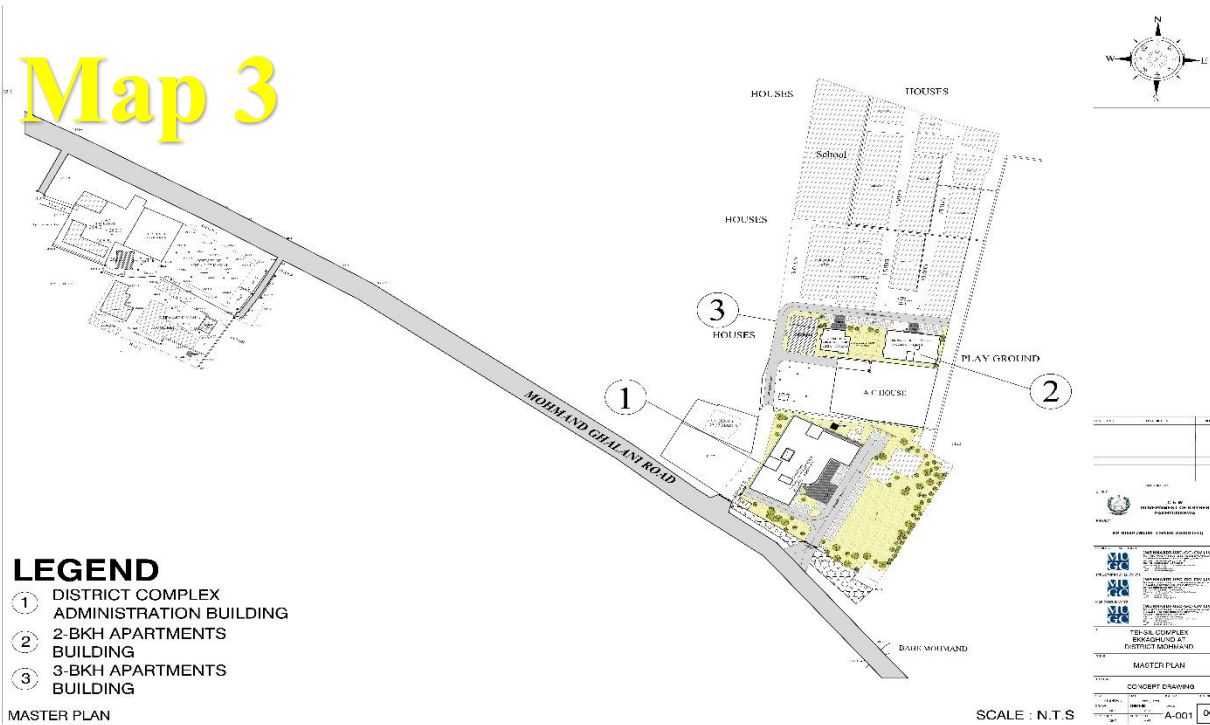
2BHK & 3BHK

TEHSIL COMPLEX BUILDING

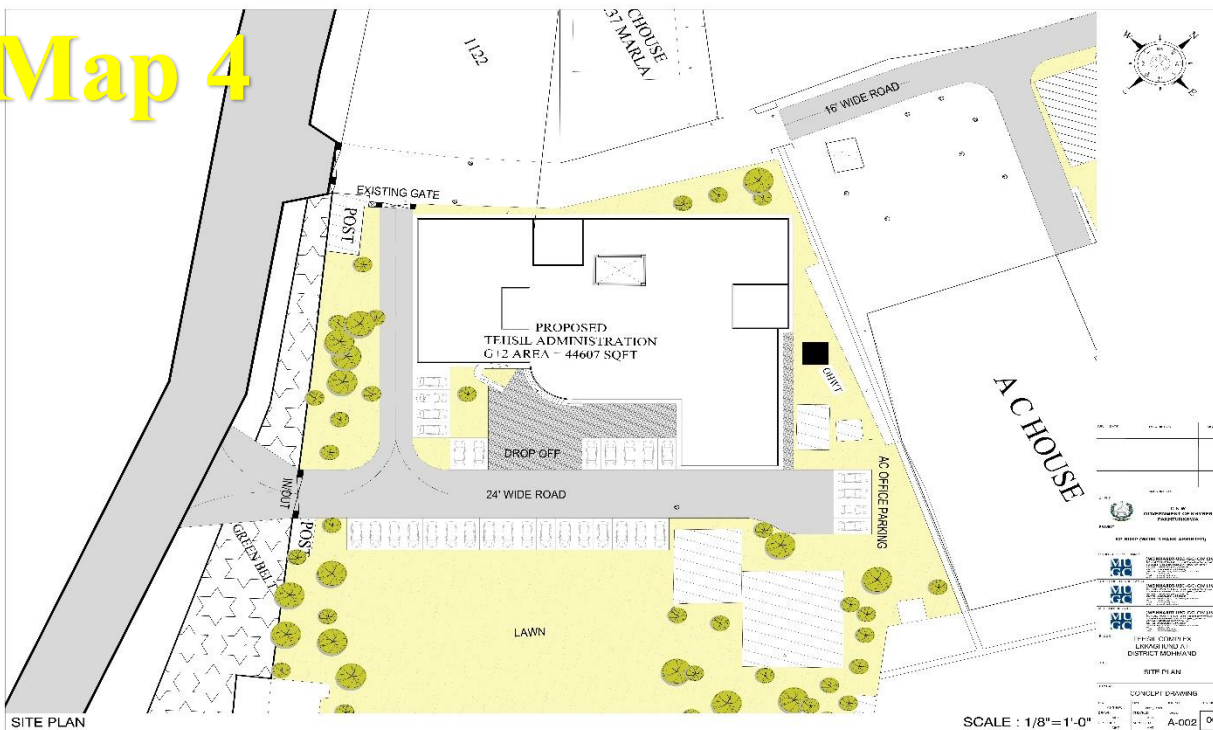
500 M RADIUS FROM  
TEHSIL COMPLEX BUILDING

**i. Tehsil Complex Building Ekka Ghund, Mohmand**

# Map 3



# Map 4



# Map 5



# Map 6





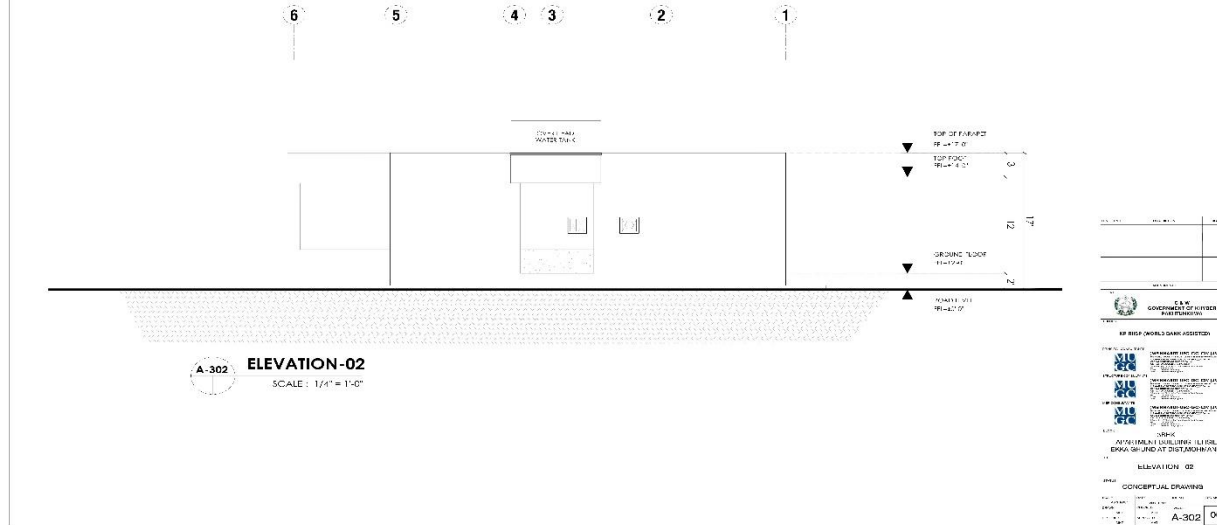




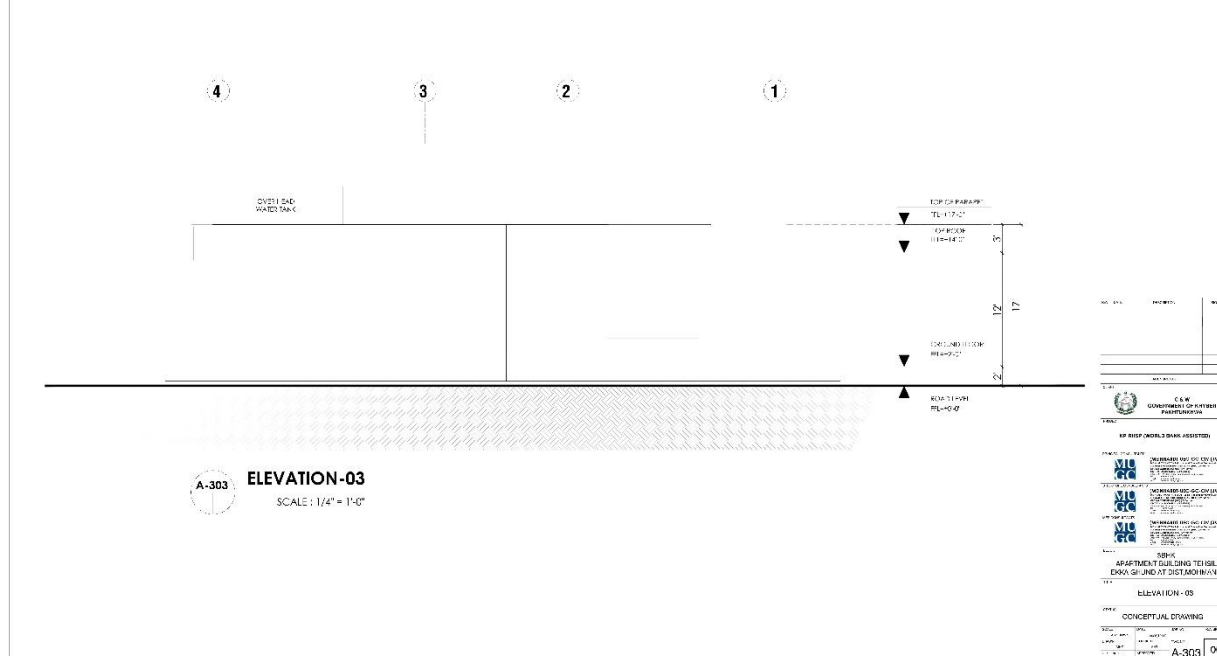




# Map 17



# Map 18

















## Annex 4. EPA Environmental Assessment Rules



### GOVERNMENT OF THE KHYBER PAKHTUNKHWA FORESTRY, ENVIRONMENT AND WILDLIFE DEPARTMENT

#### NOTIFICATION

**Dated Peshawar the, 02<sup>nd</sup> September, 2021**

**No. SO (Envf)/FE&WD/1-29/2021/Vol-II.** In exercise of the powers conferred by section 31 of the Khyber Pakhtunkhwa Environmental Protection Act, 2014 (Act No. XXXVIII of 2014) read with section 13 thereof, the Government of Khyber Pakhtunkhwa is pleased to make the following rules, namely:

#### **THE KHYBER PAKHTUNKHWA ENVIRONMENTAL ASSESSMENT RULES, 2021.**

**1. Short title and commencement.**---(1) These rules shall be called the Khyber Pakhtunkhwa Environmental Assessment Rules, 2021.

(2) They shall come into force at once.

**2. Definitions.**---- (1) In these rules, unless there is anything repugnant in the subject or context;

- (a) **“Act”** means the Khyber Pakhtunkhwa Environmental Protection Act, 2014 (Khyber Pakhtunkhwa Act No. XXXVIII of 2014);
- (b) **“Director-General”** means the Director-General of the Khyber Pakhtunkhwa Environmental Protection Agency;
- (c) **“Environmental Assessment Advisory Committee”** means the Committee constituted under rule 23 of these rules;
- (d) **“EIA”** means an Environmental Impact Assessment as defined in clause (s) of section 2 of the Act;
- (e) **“GEA”** means as General Environmental Approval to be submitted with the Agency by proponent, which are not covered by Environmental Impact Assessment or Initial Environmental Examination;
- (f) **“GIS”** means Geographic Information System;
- (g) **“GPS”** means Global Positioning System;
- (h) **“IEE”** means an Initial Environmental Examination as defined in clause (ff) of section 2 of the Act; and
- (i) **“Schedule”** means a Schedule appended to these rules.

(2) Words and expressions used in these rules but not defined shall have the same meanings as are assigned to them in the Act.

**3. Application for screening and scoping of project.**--- The proponent shall file an application with the Agency, having project description or activities on attached proforma as specified in **Schedule-I** to get clear directives for screening and scoping of the project, as per rule 4.

**4. Projects requiring an EIA or IEE or GEA.**---Where the project falls with the categories mentioned in **Schedules-II, III and IV**, the proponent shall file EIA or IEE or GEA respectively, with the Agency.

**5. Directions for a specific project.**---Where the project does not fall within the categories as mentioned in **Schedule-II, III and IV** and the Agency is of the opinion that said project may create an environmental hazard, the Agency shall direct the proponent to file an EIA, IEE or GEA, as the case may be, for reasons to be recorded in such directions:

Provided that such directions shall not be issued without the recommendations in writing of the Environmental Assessment Advisory Committee.

**6. Preparation of guidelines for EIA, IEE and GEA.**--- Guidelines for preparation of EIA or IEE or GEA of general and sectoral applicability may be specified by the Agency; provided that such guidelines may indicate specific assessment requirements for planning, construction and operation of a project relating to a particular sector.

**7. Review Fees.**---The proponent shall pay, at the time of submission of an EIA or IEE or GEA, a non-refundable review fee to the specified account of the Agency, as per rates given in **Schedule-V**.

**8. Filing of EIA, IEE and GEA.**--- (1) The proponent shall file ten paper copies and two electronic copies of an EIA or IEE with the Agency.

(2) Every EIA or IEE shall be accompanied by--

- (a) an application, in the form set out in **Schedule-VI**; and
- (b) original receipt of the review fee slip.

(3) The process for filing the GEA shall be the same as mentioned in sub-rule (1) and (2) except one hard and electronic copy of the report shall be submitted with the Agency.

**9. Preliminary scrutiny.**---(1) Within ten (10) working days of filing of the EIA, IEE or GEA, the Agency shall,-

- (a) confirm that the EIA, IEE or GEA is complete for purposes of initiation of the review process and issue confirmation letter to the proponent; or
- (b) require the proponent to submit such additional information as may be specified at any stage during the review process; or



**SCHEDULE-IX**  
**(see rule 13)**

**Decision on GEA**

1. Name and address of proponent \_\_\_\_\_
2. Description of project \_\_\_\_\_
3. Location of project and GPS Coordinates/GIS map. \_\_\_\_\_
4. Date of filing of GEA \_\_\_\_\_
5. After careful review of the GEA, and all comments thereon, the Agency has decided

(a) to accord its approval, subject to the following conditions:

\_\_\_\_\_

\_\_\_\_\_

or

(b) that the proponent should submit a GEA with the following modifications-

\_\_\_\_\_

\_\_\_\_\_

or

(c) that the proponent should submit an IEE of the project, for the following reasons:-

\_\_\_\_\_

\_\_\_\_\_

or

(d) to reject the GEA report of the project, being contrary to environmental objectives, for the following reasons:

\_\_\_\_\_

\_\_\_\_\_

[Delete (a)/(b)/(c)/(d), whichever is inapplicable]

Dated \_\_\_\_\_ Tracking no. \_\_\_\_\_

Director-General Agency (with official stamp/seal)

**SO (Env)/FE&WD/1-29/2021/Vol-II/**

**Dated 02-09-2021**

Copy forwarded to the:

1. Principle Secretary to Governor, Khyber Pakhtunkhwa.
2. Principle Secretary to Chief Minister, Khyber Pakhtunkhwa.
3. All Administrative Secretaries, Khyber Pakhtunkhwa.
4. Accountant General, Khyber Pakhtunkhwa.
5. All Commissioners, Khyber Pakhtunkhwa.
6. All Heads of Attached Department, Khyber Pakhtunkhwa.
7. Chairman Environmental Protection Tribunal, Peshawar.
8. All Deputy Commissioners, Khyber Pakhtunkhwa.
9. Registrar, Peshawar High Court, Peshawar.
10. PSO to Chief Secretary, Khyber Pakhtunkhwa.
11. PSO to Chief Minister, Khyber Pakhtunkhwa.
12. Director General, Environmental Protection Agency, Khyber Pakhtunkhwa, Peshawar **with the request to depute a representative to collect 100 gazatted copies of the Notification from Government Printing Press.**
13. Director Information, Khyber Pakhtunkhwa.
14. Chief Executive Officer, WSSP, Peshawar.
15. Manager, Government Printing Press for publication in next official gazette. **He is requested to provide 100 Gazatted copies of the same for information and record.**
16. Section Officer (Cabinet), w/r to his letter No. SOC(E&AD)/13-3/through circulation/21 dated 01-09-2021
17. PS to Secretary Forestry, Environment and Wildlife Department, Khyber Pakhtunkhwa.
18. Master file.

(Muhammad Qasim)  
Section Officer (Environment)

## Annex 5. Water Quality and Ambient Air Test Reports

### Water Quality Test Result Report

(Source: PHED, KP)



GOVERNMENT OF KHYBER PAKHTUNKHWA  
Public Health Engineering Department  
Central Water-Quality Laboratory Peshawar  
Plot # 40, Sector B-2, Phase-5, Hayatabad, Peshawar  
Ph: 091 9217788, Mob: 03339656580 e-mail: srophed@gmail.com



No: 25/PWR PHE

0

#### WATER QUALITY ANALYSIS REPORT

|                                   |                          |                                                       |                  |                            |                       |                  |
|-----------------------------------|--------------------------|-------------------------------------------------------|------------------|----------------------------|-----------------------|------------------|
| Source Name/ID                    |                          | Muttan Kor Yakka Dand                                 |                  | Sampling Date & Time       |                       | 3-Jun-25         |
| Source/Sampling point             |                          | Source                                                |                  | Sample receipt Date & Time |                       | 3-Jun-25         |
| District / Address                |                          | District Mohmand                                      |                  | Temperature (during test)  |                       | 25C              |
| GPS Coordinates                   |                          | NIL                                                   | 0                | Date of Analysis           |                       | 3/Jun/25         |
| Collected by/Received From        |                          | Client                                                |                  | Reporting Date             |                       | 30/Jun/25        |
| Ay Complaint by Client            |                          | 0                                                     |                  | Reference                  |                       |                  |
| Desired Tests                     |                          | PCM , Arsenic,Sodium , Potassium ,Nitrate , Sulphate, |                  | Contact No.                |                       | 0                |
| PHYSICAL AND AESTHETIC PARAMETERS |                          |                                                       |                  |                            |                       |                  |
| S.#                               | Water Quality Parameters | Unit                                                  | Detectable Limit | Reference method           | Permissible limits    | Analysis Results |
| 1                                 | Color                    | -                                                     | -                | Sensory evaluation         | Clear/Colorless       | U.O              |
| 2                                 | Odor                     | -                                                     | -                | Sensory evaluation         | Unobjectionable (U.O) | U.O              |
| 3                                 | Taste                    | -                                                     | -                | Sensory evaluation         | Unobjectionable (U.O) | U.O              |
| 4                                 | pH                       | -                                                     | 0.02             | APHA, 20th Edition         | 6.5-8.5 (WHO 2004)    | 7.03             |
| 5                                 | E.C                      | µS/cm                                                 | 0.2875           | APHA, 20th Edition         | NGVS                  | 1507             |
| 6                                 | Turbidity                | FNU                                                   | 0.1              | APHA, 20th Edition         | 5 (WHO 2004)          | 0.48             |
| 7                                 | TSS                      |                                                       |                  | APHA, 20th Edition         |                       | 0.96             |
| MAJOR CHEMICAL PARAMETERS         |                          |                                                       |                  |                            |                       |                  |
| 8                                 | TDS                      | mg/L                                                  | -                | APHA, 20th Edition         | 1000 (WHO, 2004)      | 904.2            |
| 9                                 | Hardness                 | mg/L                                                  | 5                | APHA, 20th Edition         | 500 (WHO, 2004)       | 287.2            |
| 10                                | Calcium                  | mg/L                                                  | 2                | APHA, 20th Edition         | 200 (WHO, 2004)       | 39.5             |
| 11                                | Magnesium                | mg/L                                                  | 1                | APHA, 20th Edition         | 150 (WHO, 2004)       |                  |
| 12                                | Alkalinity               | mg/L                                                  | -                | APHA, 20th Edition         | NGVS                  | 432.4            |
| 13                                | Carbonate                | mg/L                                                  | 5                | APHA, 20th Edition         | NGVS                  | 0.0              |
| 14                                | Bicarbonate              | mg/L                                                  | 5                | APHA, 20th Edition         | NGVS                  | 432.4            |
| 15                                | Chloride                 | mg/L                                                  | 2                | APHA, 20th Edition         | 250 (WHO, 2004)       | 84.5             |
| 16                                | Sodium                   | mg/L                                                  | 1                | APHA, 20th Edition         | 200 (NSDWQ 2008)      | 205              |
| 17                                | Nitrate                  | mg/L                                                  | 0.06             | APHA, 20th Edition         | 50 (WHO, 2004)        | 27.33            |
| 18                                | Sulphate                 | mg/L                                                  | 0.04             | APHA, 20th Edition         | 500 (WHO, 2004)       | 94               |
| 20                                | Potassium                | mg/L                                                  | 0.01             | APHA, 20th Edition         | NGVS                  | 16.7             |
| 21                                | Arsenic                  | mg/L                                                  | 0.01             | APHA, 20th Edition         | 0.05 (PSQCA, 2004)    | 0.005            |
| MICROBIOLOGICAL PARAMETERS        |                          |                                                       |                  |                            |                       |                  |
| 1                                 | Total Coliform           | 1 CFU/1 ml                                            |                  | DryCompact Plate           | 0 CFU / 1 ml          | 17               |
| 2                                 | Fecal Coliform           | 1 CFU/1 ml                                            |                  | DryCompact Plate           | 0 CFU / 1 ml          | NT               |
| 3                                 | Total Coliform           | +Ve/-Ve                                               |                  | KIT-Method                 | -Ve                   | +Ve              |

#### Abbreviations:

NGVS: No Guideline Value Set  
+Ve/-Ve: Positive/Negative  
E.C: Electrical Conductivity  
TDS: Total Dissolved Solids

WHO: World Health Organization  
NT: Not Tested  
FNU: Formazin Nephelometric Units  
BDL: Below Detection Level

P: Physical, C: Chemical, M: Micro  
µg/L: micro-gram per Liter  
µS/cm: microsiemens / cm

#### Terms and Conditions

- The results of the laboratory analysis by PHED are verified as accurate and authentic only for the parameters tested.
- Analysis report is not valid for court use or business purpose.
- In case of any dispute in connection with authenticity of the report, the laboratory record of the analysis will be considered final.
- PHED does not accept any responsibility regarding accuracy of sample collection procedures if collected by the client.
- PHED will not be responsible for loss or damage to the samples in its possession for reasons beyond its control.
- PHED reserves the right to accept or reject samples for analysis without assigning any reason.

#### Remarks:

The analyzed water sample found unsafe for drinking purpose for highlighted parameters under the prescribed standards.

Senior/  
Research Officer:

### Ambient Air Quality — Results Matrix Ekka Ghund

| Sr. | Parameters                              | Unit              | NEQS  | Observed Range        | Remarks   |
|-----|-----------------------------------------|-------------------|-------|-----------------------|-----------|
| 1   | Nitrogen Dioxide (NO <sub>2</sub> )     | µg/m <sup>3</sup> | 80.0  | 19 µg/m <sup>3</sup>  | Good      |
| 2   | Sulphur Dioxide (SO <sub>2</sub> )      | µg/m <sup>3</sup> | 120.0 | 7 µg/m <sup>3</sup>   | Good      |
| 3   | Carbon Monoxide (CO)                    | mg/m <sup>3</sup> | 5.0   | 9 mg/m <sup>3</sup>   | Unhealthy |
| 4   | Ozone (O <sub>3</sub> )                 | µg/m <sup>3</sup> | 130.0 | 25 µg/m <sup>3</sup>  | Good      |
| 5   | Particulate Matter (PM <sub>2.5</sub> ) | µg/m <sup>3</sup> | 35.0  | 171 µg/m <sup>3</sup> | Unhealthy |
| 6   | Particulate Matter (PM <sub>10</sub> )  | µg/m <sup>3</sup> | 150.0 | 80 µg/m <sup>3</sup>  | Moderate  |

Source: <https://weather.com/forecast/air-quality>

## Annex 6. Participants' List of Stakeholders' Consultation

### Public Consultation Meeting

District/Tehsil:

Attendance sheet

Date:

| S.No | Name                | Designation/Department | Contact No.  | Signature |
|------|---------------------|------------------------|--------------|-----------|
| 1.   | Syed Namdar Shah    | A.D Industries/CDC     | 0332-9315898 |           |
| 2.   |                     |                        |              |           |
| 3.   | Muhammad Tariq Khan | DPC Mohmand            | 0333 9147773 |           |
| 4.   | Imran Khan          | D.O. Social Welfare    | 03459111339  |           |
| 5.   | Shahid Noor         | DFD Porat              | 03455341640  |           |
| 6.   | Shafiqul Khan       | Imsp                   |              |           |
| 7.   | SHAFAT-Ullah        | X.E.N.CSW H/way        | 0300-9341556 |           |
| 8.   | SDO TESLO Chhattai  |                        |              |           |
| 9.   | M. Mukhammad Ashraf | SDO TESLO Chhattai     | 0330-5059152 |           |
| 10.  | Fawad Tahir         | Inspector              | 03349510478  |           |
| 11.  | Sadiqullah          | SDFO Forest            | 03340989802  |           |

|     |              |                               |              |  |
|-----|--------------|-------------------------------|--------------|--|
| 12. | Anwar-kehar  | Agriculture                   | 0343-9126482 |  |
| 13. | Aisha Ali    | DEU(F) office                 | 03455554500  |  |
| 14. | M. Irshad Kh | SLEI ADC Office               | 0300-5824046 |  |
| 15. | Fazal Khaliq | Naib Tehsildar Chhattai       | 03009095277  |  |
| 16. | Fahsen Ullah | Reader. Aclm office           | 0331-9315978 |  |
| 17. | Hanief Khan  | Ultimate Eng Consultant       | 03454512952  |  |
| 18. | Saima Saeed  | Meinhardt consultant / PIVCgw | 0343 9285250 |  |

### Attendance List

Meeting / Visit: Stakeholders Consultation

Venue: Ekka Ghund Mohmand

Date: 21/10/2025

| S No. | Name           | Designation/Department               | Contact /Email | Signature |
|-------|----------------|--------------------------------------|----------------|-----------|
| 1     | Noreen Inayat  | H.M (School)                         | 03319090711    |           |
| 2     | Hizran begum   | SSI (Bio Station)                    | 03369272588    |           |
| 3     | Mashal         | SSI (Xr)                             | 03489048119    |           |
| 4     | Rizwana        | family (Quarters)                    |                |           |
| 5     | Rukhmeena      | family (Quarters)                    |                |           |
| 6     | Favhana        | family                               |                |           |
| 7     | Dr Shaukat Ali | M.O. Rural Health Centre RHC         | 03333540403    |           |
| 8     | M. Iqbal       | Supervisor NADRA                     |                |           |
| 9     | Shakeel Ahmad  | Supervisor NADRA                     |                |           |
| 10    | M. Ishag       | DAD (operations)                     |                |           |
| 11    | Rizwan Ullah   | Superintendent NADRA                 |                |           |
| 12    | Waseef         | Office Boy NADRA                     |                |           |
| 13    | Shafiq         | Shift Incharge Rescue 1122           | 03065298811    |           |
| 14    | Naveed Sb      | Station House Incharge (Rescue 1122) |                |           |
| 15    | Sohail         | Shift Incharge (Rescue 1122)         |                |           |
| 16    | Arab Shah      | Shift Incharge (Rescue 1122)         |                |           |
| 17    | Amin ul Haq    | Teacher Govt Primary School (Boys)   |                |           |
| 18    | Abdul Akbar    | Teacher GPS (Boys)                   |                |           |
|       |                |                                      |                |           |
|       |                |                                      |                |           |
|       |                |                                      |                |           |
|       |                |                                      |                |           |
|       |                |                                      |                |           |

## Annex 7. Photos (with captions) of the Site and the Consultations



*Stakeholder consultation at ADC office, Ghallanai, Mohmand. Representatives of line departments, community and district administration staff of Tehsil Ghallanai & Ekka Ghund both attended the meeting and shared their feedback.*



*Meeting with DC Ekka Ghund at his office*



*Rest House site proposed for the Tehsil Complex building*



*The vacant plot adjacent to the AC House*





*District Administration quarters to be demolished for the construction of a residential complex at the site*



*A view of the Govt. Girls High School located within the compound.*



*Consultation with the staff of the GGH school located within the compound.*



*A view of the Govt. Girls High School located within the compound.*





*Consultation with the NADRA staff.*



*A view of the NADRA office located outside the compound.*



*Consultation with Govt. Primary School (Boys) staff located outside compound.*



*Consultation with the Rescue 1122 staff located outside compound.*



*Consultation with families residing within quarters of Tehsil Administration.*



*Consultation with staff & local visitors of Rural Health Centre (RHC) located outside the compound.*



*A view of the Rural Health Centre (RHC)/hospital located outside the Tehsil Administration Compound.*



## Annex 8: Labor Camp Management Details

### 1. Site Selection & Layout

- **Proposed Location:** Based on the Tehsil Complex's site analysis, the labor camp will be established within the Government Colony premises, specifically on the Open Plot in front of the AC House (1.71 Kanals) or a designated vacant portion of the Colony area (Total: 17.59 Kanals).
- **Reasoning:** This location provides a sufficient buffer from the primary construction sites (Plots of 1.92 and 3.02 Kanals) while remaining within the secure colony boundary. It ensures easy access to the 800-meter internal road being rehabilitated.
- **Layout:**
  - The camp will be fenced and gated to restrict unauthorized entry by outsiders or animals.
  - It will be positioned to allow easy access to the construction site while ensuring privacy for the existing government official residences nearby.

### 2. Accommodation Standards

- **Capacity:** The camp will be designed to accommodate 20–25 laborers (anticipated workforce).
- **Structure:** Durable temporary structures (weather-proof tents or pre-fab containers) will be used to withstand the local climate (hot summers/cold winters).
- **Facilities:**
  - Adequate ventilation and lighting will be provided in all sleeping quarters.
  - Workers will be provided with bedding and secure storage for personal belongings.
  - ID Cards: All workers staying in the camp will be issued ID cards for security.

### 3. Water Supply & Sanitation

- **Water Supply:**
  - Safe drinking water will be continuously available. Water will be sourced from the existing colony tube well network or supplied via water tankers if necessary.
- **Sanitation:**
  - **Toilets:** Pit latrines or flush toilets connected to septic tanks will be constructed on-site (approx. 1 unit per 6-8 workers).
  - **Wastewater:** Sealed washing basins and lined wash areas will be built. Wastewater will be directed to a septic tank/soakage pit to prevent mixing with surface water or open drains.

### 4. Waste Management

- **Solid Waste:**
  - A Waste Management Plan will be prepared and implemented by the contractor. Color-coded bins will be placed for segregation.
  - Waste will be collected daily and disposed of at designated municipal disposal sites or natural depressions located approx. 2 km away.
- **Prohibitions:** Open burning of solid waste at the campsite is strictly banned.
- **Animal Safety:** Waste will be properly stored to prevent attracting wild animals common in the Ekka Ghund area.

## 5. Health & Safety

- **Medical Facilities:**
  - A First Aid Box with essential medicines will be available on-site 24/7.
  - **Emergency Access:** The DHQ Hospital Ekka Ghund is located within 500 meters from the site for major medical emergencies.
- **Fire Safety:** Firefighting equipment (extinguishers, sand buckets) will be installed at the camp.
- **Disease Control:** Regular disinfection and "Anti-termite" spraying (if needed) will be conducted. Measures to prevent communicable diseases (e.g., Dengue, Malaria, COVID-19) will be enforced.

## 6. Food & Nutrition

- **Kitchen:** A hygienic cooking area/mess will be established separate from sleeping quarters.
- **Fuel:** The contractor must provide LPG cylinders for cooking. Cutting local trees/bushes (e.g., Acacia, Eucalyptus) for fuel is strictly prohibited.
- **Hygiene:** Kitchen waste will be disposed of daily to maintain hygiene and prevent pests.

## 7. Worker Welfare & Social Facilities

- **Social Connectivity:** Workers will have access to mobile communication (network coverage is available in Ekka Ghund).
- **Transport:** Vehicles will be available for emergency transport or material handling.
- **Mosque:** A prayer area will be designated within the camp or workers may use the existing prayer facilities in the complex.

## 8. Labor Rights & Compliance

- **Standards:** The camp will operate in compliance with ESS2 (Labor and Working Conditions) and ESS4 (Community Health and Safety).
- **Prohibitions:** Child labor and forced labor are strictly prohibited. Verification of CNICs will be mandatory upon hiring.
- **Code of Conduct (CoC):** All workers must sign a GBV/SEA/SH Code of Conduct (Annex 11) to ensure respectful interaction with the local community and prevention of harassment.

## 9. Grievance Redress Mechanism (GRM)

- **Internal GRM:** A complaint box/register will be maintained at the camp for workers to report issues (wages, facilities, harassment).
- **Focal Person:** The Contractor's Site Environmental Engineer will be the first point of contact for resolving grievances.
- **Escalation:** Unresolved issues can be escalated to the PIU C&W GRM Focal Person (Deputy Director E&S).

## 10. Monitoring & Reporting

- **Daily:** Contractor's Site Supervisor to inspect hygiene, safety, and waste disposal.
- **Weekly:** The Environmental Monitoring Checklist (Annex 3) will be used to formally audit camp conditions.
- **Reporting:** Monthly reports on camp status, worker health, and grievances will be submitted to the Supervision Consultant (SC) and PIU.

## Annex 9: Components of Site Specific OH&S Plan

### 1. Risk Assessment & Planning

- **Hazard Identification:**
  - Demolition Risks: Demolition of the existing Rest House (on Tehsil Complex plot) and Old Quarters (on Residential plot) poses risks of falling debris, premature collapse, and dust inhalation.
  - Asbestos Exposure: The potential presence of asbestos in old building materials requires specific identification and handling protocols to prevent lung diseases.
  - Working at Height: Construction of G+2 buildings present fall hazards for workers.
  - Excavation & Soil Stability: Foundation work for Ground+2 Office and Apartment blocks in an area with high particulate matter.
  - Climate Hazards: Extreme heat during June/July (mean max 40°C) increases the risk of heatstroke and dehydration for laborers.
  - Traffic Hazards: Heavy machinery movement on the Main Bajaur-Mohmand Road and near the NADRA office (daily commuters).
- **Planning:**
  - Systematic top-down demolition will be adopted to ensure safety during the demolition of the rest house and old quarters.
  - Asbestos Management: A licensed firm will be engaged if asbestos is found; a wetting agent will be applied during removal to suppress fibers.

### 2. Clear Roles & Responsibilities

- **Contractor's Site Environmental Engineer (CEE):**
  - Responsible for implementing this OH&S plan, conducting daily safety inspections, and ensuring workers wear PPE.
  - Must prepare sub-plans (Traffic Diversion, Site Rehabilitation) and submit them to the Supervision Consultant.
- **Site Supervisor:**
  - Ensures that only authorized workers enter the construction boundary and that visitors follow safety protocols.
- **Supervision Consultant's Environmental Engineer (EE):**
  - Oversees the Contractor's performance and issues instructions for corrective actions regarding safety violations.
- **PIU (C&W):**
  - Conducts spot checks and monitors compliance with the World Bank's Environmental and Social Standards (ESS2 & ESS4).

### 3. Training & Awareness

- **Induction Training:** All laborers will receive mandatory training on site safety, cultural norms, and the Code of Conduct (GBV/SEA/SH) before accessing the site.
- **Toolbox Talks:** Daily briefings will be conducted on specific daily hazards (e.g., "Working on Scaffolding," "Electrical Safety," "Handling Hazardous Materials").
- **Specialized Training:**
  - **Asbestos Awareness:** Training on identifying and safely handling asbestos-containing materials.
  - **Heat Stress Management:** Educating workers on hydration and recognizing heatstroke symptoms during the hot Ekka Ghund summer.
  - **First Aid & Fire Safety:** Designated staff will be trained in basic medical services and firefighting.

#### 4. Safe Work Procedures

- **Permit-to-Work System:** Required for high-risk activities, specifically:
  - Demolition of the existing rest house and old quarters.
  - Hot work (welding/cutting) and electrical maintenance.
  - Excavation deeper than 1.5 meters.
- **Personal Protective Equipment (PPE):**
  - **Mandatory:** Safety helmets, high-visibility vests, and safety shoes for all workers.
  - **Task-Specific:**
    - Dust Masks: For excavation and demolition crews (preventing respiratory issues).
    - Ear Muffs/Plugs: For workers operating heavy machinery or drill rigs (noise abatement).
    - Safety Harnesses: For work on the upper floors of the G+2 building.
- **Machinery Maintenance:** Regular checks of cranes, pile rigs, and vehicles to prevent hydraulic leaks or mechanical failure.

#### 5. Site Safety Controls

- **Barriers & Fencing:**
  - High-quality fencing around construction plots (1.9 and 3.02 kanals) to prevent students from Colony Schools and patients from the Health Facility from entering hazardous zones.
  - Specific exclusion zones will be established around demolition areas.
- **Signage:** Safety signs (e.g., "Hard Hat Area," "Deep Excavation," "No Entry," "Emergency Exit") will be displayed in Urdu and Pashto at prominent locations.
- **Traffic Management:**
  - Construction vehicle movement will be restricted during school start/end times to protect students.
  - Speed limits will be enforced within the colony roads.
- **Dust Control:** Regular water sprinkling on excavation sites and unpaved roads to maintain air quality and visibility.

#### 6. Monitoring & Reporting

- **Inspections:**
  - **Daily:** Site Supervisor to check PPE compliance, hygiene of toilets/kitchens, and machinery safety.
  - **Weekly:** Use the Environmental Monitoring Checklist (Annex 3) to audit comprehensive safety measures.
- **Incident Reporting:**
  - Any accident or "near-miss" must be recorded using the Incident Reporting Format (Annex 5) and reported to the PIU within 24–48 hours.
- **Audits:** Quarterly OH&S audits will be conducted by the Supervision Consultant.

#### 7. Emergency Preparedness

- **Emergency Response Plan:** A specific plan will be developed for fire, structural collapse, and medical emergencies.
- **Medical Facilities:**
  - **On-Site:** Fully stocked First Aid Boxes (minimum 3 units) and trained first-aiders available at all times.
  - **Referral Hospital:** The DHQ Hospital Ekka Ghund is located approximately within 500 meters from the site, allowing for rapid transport in case of serious injury.
- **Fire Safety:** Fire extinguishers and sand buckets will be strategically placed near fuel storage, kitchens, and electrical panels.
- **Communication:** Emergency contact numbers (Hospital, Fire Brigade, PIU Safety Officer) will be posted at the site office and labor camp.

**Annex 10: KPRIISP Code of Conduct****Code of Conduct (GBV and SEA/SH Prevention)****Khyber Pakhtunkhwa Rural Investment & Institutional Support Project (KP-RIISP)****Responsible Authority:** KPRIISP E&S Unit | **Applicability:** All Staff, Consultants, Contractors**Definitions**

To ensure clarity and alignment, basic key terms are defined below:

**GBV (Gender-Based Violence):**

GBV is an umbrella term for any harmful act that is perpetrated against a person's will, and that is based on socially ascribed (i.e., gender) differences between males and females. It includes acts that inflict physical, sexual or mental harm or suffering, threats of such acts, coercion, and other deprivations of liberty. These acts can occur in public or private (2015 Inter-Agency Standing Committee Gender-based Violence Guidelines, pg. 5).

**SEA (Sexual Exploitation and Abuse):**

Sexual Exploitation: any actual or attempted abuse of a position of vulnerability, differential power or trust for sexual purposes, including, but not limited to, profiting monetarily, socially or politically from the sexual exploitation of another (UN Glossary on Sexual Exploitation and Abuse 2017, pg. 6).

Sexual Abuse: actual or threatened physical intrusion of a sexual nature, whether by force or under unequal or coercive conditions (UN Glossary on Sexual Exploitation and Abuse 2017, pg. 5).

**SH (Sexual Harassment):**

Any form of unwanted verbal, non-verbal or physical conduct of a sexual nature with the purpose or effect of violating the dignity of a person, in particular when creating an intimidating, hostile, degrading, humiliating or offensive environment. This may include unwelcome sexual advances, requests for sexual favors, and may take place through online activity or mobile communications as well as in person.

**GRM (Grievance Redress Mechanism):**

The KPRIISP has set up a GRM to respond to the concerned grievances in both community and workplace settings. Under the project's GRM there will be a dedicated GBV reporting mechanism ensuring confidentiality and survival centered approach. It will further ensure that every report is handled professionally, with the survivor's safety, dignity, and access to support services as top priorities.

## 1. General Responsibilities

All personnel must:

- Consent to a security background check.
- Treat all individuals (women, men, children, persons with disabilities, transgenders, etc.) with respect and dignity, free from discrimination.
- Comply with National & Provincial Laws, World Bank's Good Practice Note, GBV Risk Assessment Tool, and KPRIISP's GBV and SEA/SH Mitigation Plan.

### Maintain a safe environment by:

- Ensuring workplaces are risk-free.
- Following emergency procedures (availability of first aid box, fire extinguishers, displaying of CoC in English, Urdu & local dialect and all mitigation measures must be in effect).
- Report concerns via KPRIISP's GRM or to the designated focal person.
- Attend mandatory annual GBV and SEA/SH training, with bi-annual refreshers for field teams.

## 2. GBV/SEA/SH and Child Protection

Prohibited Conduct:

- Inappropriate language/behavior, sexual advances, or transactional sex.
- Any sexual activity with children (consent or mistaken age is no defence).

### Mitigation Measures:

- Report suspicions to the GBV Grievance Redress Committee/designated focal person.
- Ensure workplaces/communities are harassment-free as per the Khyber Pakhtunkhwa Protection Against Harassment of Women at Workplace (Amendment) Act, 2020.
- Collaborate with provincial/local authorities/NGOs to support survivors.

## 3. Contractor/Consultant Obligations

Contractors/consultants must:

- Implement CoC requirements in HR policies, site protocols, and grievance mechanisms.
- Ensure compliance is a condition of contract performance.

#### 4. Accountability & Compliance

- Zero Tolerance: Violations lead to warnings, termination, or legal action.
- Confidentiality: Whistleblowers and survivors are protected.

#### Signature Section

By signing, I commit to upholding this Code:

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_ (for contractors/consultants/staff)

CNIC: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

#### Reporting & Enforcement:

##### Focal Persons:

- PCMU: Senior Social Development Specialist/Gender Officer
- PIU: Senior Social Development Specialist/Gender Officer/ Established Arrangements

##### Process:

1. Report to focal persons via GRM (anonymous options available)/direct report to senior management.
2. Preliminary inquiry within 15 days.
3. Outcomes: Verbal/written warnings, disengagement, or legal referral.
4. Confidentiality: Survivor identities protected; retaliation prohibited.

#### Implementation Requirements

- Visual Display: Mount CoC in English, Urdu, and Pashto across offices.
- Onboarding: Include CoC in orientation kits for all personnel.

#### Approved by:

Project Director

Project Coordination and Management Unit (PCMU)

Khyber Pakhtunkhwa Rural Investment and Institutional Support Project (KP-RIISP)

Planning and Development Department, Khyber Pakhtunkhwa

## Annex 11. Environmental Monitoring Checklist

Project Name: \_\_\_\_\_

Location: Ekka Ghund, District Mohmand, KP

Date of Monitoring: \_\_\_\_\_

Monitoring Team: \_\_\_\_\_

### A. Air Quality and Dust Control

| Parameter                                                       | Yes/No | Observations/Comments | Action Required |
|-----------------------------------------------------------------|--------|-----------------------|-----------------|
| Dust suppression measures are in place (e.g., water sprinkling) |        |                       |                 |
| Vehicles and machinery are well-maintained (no excessive smoke) |        |                       |                 |
| Construction materials are properly covered during transport    |        |                       |                 |
| Ambient air quality monitored (PM10, PM2.5) if required         |        |                       |                 |

### B. Noise and Vibration

| Parameter                                                               | Yes/No | Observations/Comments | Action Required |
|-------------------------------------------------------------------------|--------|-----------------------|-----------------|
| Noise levels within acceptable limits (dB)                              |        |                       |                 |
| Use of silencers/mufflers on machinery and equipment                    |        |                       |                 |
| Noise-sensitive receptors (schools, hospitals) identified and protected |        |                       |                 |

### C. Soil and Erosion Control

| Parameter                                                    | Yes/No | Observations/Comments | Action Required |
|--------------------------------------------------------------|--------|-----------------------|-----------------|
| Topsoil is stripped and stored properly                      |        |                       |                 |
| Erosion control measures in place (e.g., silt fences, bunds) |        |                       |                 |
| Excavation and filling carried out as per plan               |        |                       |                 |

### D. Water Resource Protection

| Parameter                                               | Yes/No | Observations/Comments | Action Required |
|---------------------------------------------------------|--------|-----------------------|-----------------|
| No discharge of wastewater into water bodies            |        |                       |                 |
| Sanitation facilities for workers are provided          |        |                       |                 |
| Drinking water sources are protected from contamination |        |                       |                 |
| Proper drainage and runoff management                   |        |                       |                 |

### E. Waste Management

| Parameter                                          | Yes/No | Observations/Comments | Action Required |
|----------------------------------------------------|--------|-----------------------|-----------------|
| Solid waste is collected and disposed of properly  |        |                       |                 |
| Hazardous waste (oil, chemicals) is handled safely |        |                       |                 |
| Reuse/recycling practices in place (if any)        |        |                       |                 |

#### F. Biodiversity and Vegetation

| Parameter                                                | Yes/No | Observations/Comments | Action Required |
|----------------------------------------------------------|--------|-----------------------|-----------------|
| Vegetation clearance minimized                           |        |                       |                 |
| Replantation or landscaping measures planned/implemented |        |                       |                 |
| No disturbance to local fauna/habitats                   |        |                       |                 |

#### G. Occupational Health & Safety

| Parameter                                                                               | Yes/No | Observations/Comments | Action Required |
|-----------------------------------------------------------------------------------------|--------|-----------------------|-----------------|
| PPE provided and used by workers                                                        |        |                       |                 |
| Safety signage is posted at the site                                                    |        |                       |                 |
| Emergency response procedures are in place                                              |        |                       |                 |
| Medical screenings for laborers are conducted by the contractor every four months times |        |                       |                 |

#### H. Social Considerations

| Parameter                               | Yes/No | Observations/Comments | Action Required |
|-----------------------------------------|--------|-----------------------|-----------------|
| Community grievances mechanism in place |        |                       |                 |
| Local community consulted               |        |                       |                 |
| No child labor or forced labor observed |        |                       |                 |

#### I. Labor Camp Management

| Parameter                                                                                | Yes/No | Observations/Comments | Action Required |
|------------------------------------------------------------------------------------------|--------|-----------------------|-----------------|
| Labor camp area is clean and solid waste is properly managed                             |        |                       |                 |
| Adequate safety and security measures in place (lighting, gates/locks, boundary, guards) |        |                       |                 |
| Labor camp located at a safe distance from nearby communities                            |        |                       |                 |
| Clean and adequate living accommodations provided (ventilation, space, bedding)          |        |                       |                 |
| Clean and adequate washroom and bathing facilities available and functional              |        |                       |                 |
| Adequate and hygienic kitchen/cooking facilities available                               |        |                       |                 |
| Clean and safe drinking water provided                                                   |        |                       |                 |
| Separate facilities for male and female workers (if applicable)                          |        |                       |                 |
| Camp rules and grievance mechanism communicated to workers                               |        |                       |                 |

Signature of Monitor: \_\_\_\_\_ Date: \_\_\_\_\_

## Annex 12. Incident Reporting Format (ESIRT) Form

| Details of Incident (e.g., to a worker or visitor) and Treatment                            |                                                                                                                         |                                                                                           |
|---------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Date of incident                                                                            |                                                                                                                         |                                                                                           |
| Time of incident                                                                            |                                                                                                                         |                                                                                           |
| Nature of incident                                                                          | <input type="checkbox"/> Near miss <input type="checkbox"/> First aid <input type="checkbox"/> Medical treatment/doctor |                                                                                           |
| Name of injured person                                                                      |                                                                                                                         |                                                                                           |
| Address                                                                                     |                                                                                                                         |                                                                                           |
| Occupation                                                                                  |                                                                                                                         |                                                                                           |
| Date of birth                                                                               |                                                                                                                         |                                                                                           |
| Telephone                                                                                   |                                                                                                                         |                                                                                           |
| Employer                                                                                    |                                                                                                                         |                                                                                           |
| Activity in which the person was engaged at the time of injury                              |                                                                                                                         |                                                                                           |
| Exact site location where injury occurred                                                   |                                                                                                                         |                                                                                           |
| Nature of injury—e.g. fracture, burn, sprain, foreign body in eye etc.                      |                                                                                                                         |                                                                                           |
| Body location of injury                                                                     |                                                                                                                         |                                                                                           |
| Treatment given onsite and Name of Treating Person                                          |                                                                                                                         |                                                                                           |
| Referral for further treatment?<br><input type="checkbox"/> Yes <input type="checkbox"/> No | Name of doctor or hospital                                                                                              | Medical certificate received?<br><input type="checkbox"/> Yes <input type="checkbox"/> No |
| Injury management required?<br><input type="checkbox"/> Yes <input type="checkbox"/> No     | Return date                                                                                                             |                                                                                           |

| Witness to Incident (Include all witnesses) |  |
|---------------------------------------------|--|
| Witness name and contact                    |  |

| Details of Incident                        |  |
|--------------------------------------------|--|
| Date of incident                           |  |
| Time of incident                           |  |
| Details of damage to equipment or property |  |
| Name of person who received the report     |  |
| Description of incident                    |  |
|                                            |  |