

Environmental & Social Screening Checklist

Instructions:

Environmental and Social Focal Persons (ESFPs)¹ nominated by the MCs for PCP environmental and social management, will use this checklist in the field for environmental and social screening and categorization of every sub-project proposed to be executed under the Program.

Deputy Program Officers-Environmental and Social Management deputed by PMDFC in regional offices will technically assist and support the ESFPs/MCs in filling in this Checklist

It is to be attached with the main document² of sub-projects at the planning stage and will be duly signed by the relevant ESFP and endorsed by the respective DPO-ESM

This checklist focuses on environmental issues and social concerns. To ensure that social dimensions are adequately considered, Involuntary Resettlement Screening Checklist will also be used

(iii) The purpose of this E&S Screening Checklist is to identify potential "Negative" impacts of environmental and social attributes or to enhance the existing environmental & social benefits. Use the "remarks" section to discuss any anticipated mitigation measures.

| | |
|----------------------------|-------------------------------------|
| Name of ESFP: | MOI - Mr Farzand |
| Name of MC: | Kamoke |
| Sub-Project Sector: | Water Supply Sector |
| Sub-Project Title: | PCP-Package-II |
| | E-1 S-1 |
| | √E-2 √S-2 |
| | E-3 S-3 |

Date of Screening: October 18, 2022

Anticipated Project Activities It is the subproject water supply for the rehabilitation of Water supply lines in Rasulnagar and Mandiala Road along with the installation of one new tube well at Mandiala road.

Estimated Cost of Subprojects Project capital cost - PKR 365.5 million

Completion Time/Duration 10 months

Estimated Labor for Subproject 20-25 persons

¹ In all MCs, ESFPs are notified by Local government; MO (I&S) are focal persons for environmental sector and MO(P) are focal persons for social sectors.

² It is meant as PC-I and/or engineering estimates of sub-project

| Screening Questions | Yes | No | Remarks |
|---|-----|----|---|
| A. Project Siting Is the Sub-Project area adjacent to or within any of the following: | | | |
| Environmentally sensitive areas? | | | |
| Legally protected Area | | √ | No legally protected area has been reported within the sub project area. |
| Any surface water body (river, canal, stream, lake, wetland) within 250 meters of the proposed sub project ³ | | √ | Rajbha Canal exists about 2000m away from sub project area. |
| Estuarine | | √ | No estuarine has been reported within the sub project area. Sub project area falls in an urban area of Kamoke city. |
| Special area for protecting biodiversity | | √ | No special area for protecting biodiversity has been reported within the sub project area. Sub project area falls in urban area of Kamoke city. |
| Buffer zone of protected area | | √ | No buffer zone of the protected area has been reported within the sub-project area. Sub project area falls in an urban area of Kamoke city. |
| Mangroves Forest | | √ | No mangrove forest has been reported within the sub project area. Sub project area falls in urban area of Kamoke city. |
| Man-made forest /game reserve, orchid /crops or any other area of environmental importance | | √ | No manufactured forest/game reserve, orchid/crops, or any other area of environmental importance has been reported within the sub-project area. Subproject area falls in an urban area of Kamoke city. |
| Socially sensitive /important areas/communities/ people? | | | |
| PCRs and or any site of cultural/religious importance (Graveyard, Shrine, Mosque, Church, <i>Gordwarah</i> , Temple, Fort, archeological/historical site) within 100 m of the proposed subproject ⁴ | √ | | No notified PCRs have been observed in sub-project area. Sites of religious importance like mosques have been found within 100 m of the proposed subproject. In Rasulnagr area 3 mosques, 1 church 1 shrine and 1 graveyard exist in 100 m. At Mandiala road 4 mosques and 1 graveyard exist within 100 m. During construction, mobility will be impacted along with site-specific EHS issues which will be mitigated by adopting good engineering practices. . |
| Sensitive receptors (Schools, colleges, hospitals and clinics) within 100 meters of the proposed sub-project ⁵ | √ | | Sensitive receptors (Schools, colleges, hospitals and clinics) are observed within 100 meters of the proposed sub-project area. 2 Schools and 3 clinics exist at Rasulnagar area while 3 schools and 4 clinics exist in Mandiala road sub-project area. Indirect, Temporary & Site-specific impacts have been envisaged which will be mitigated accordingly. |
| Any graveyard of the local community (Muslims or Christians) | √ | | Not impacted only exists within 100 of the sub-project area. |
| Any demographic or socio-economic aspects of the sub-project area that are already vulnerable (e.g., high incidence of marginalized populations, rural-urban migrants, illegal settlements, squatters, ethnic minorities, people with disabilities, people in old age, socially isolated segments ⁶ of the society and women or children)? | | √ | No demographic and social economic impacts of sub-project area are anticipated over vulnerable. |
| Already existing infrastructure ⁷ (including public amenities) which may be required to dismantle or may be affected temporarily by any means? | | √ | No existing infrastructure (including public amenities) which may be required to dismantle or may be affected |

| Screening Questions | Yes | No | Remarks |
|--|-----|----|--|
| | | | temporarily by any means exists in the sub-project area. |
| B. Potential Environmental Impacts Will the Sub-Project cause... | | | |
| 1. Disturbance to habitats/biodiversity of environmentally sensitive or protected areas? | | √ | Sub-project area exists in urban areas of the Kamoke City. |
| 2. Cutting of trees? | | √ | No tree cutting involves in the sub-project implementation as depicted in photo logs. |
| 3. Disruption to habitats/biodiversity of surrounding ecosystem/environment? | | √ | There will not be any disruption to habitats/biodiversity of the surrounding ecosystem/environment due to the urban nature of the sub-project area. |
| 4. Generation of wastewater during construction or operation? | | √ | The wastewater will be generated from the contractor campsite during the construction phase, which will be mitigated by providing a septic tank before final disposal to the nearest drain. However, no wastewater generation is anticipated during project operation. |
| 5. Pollution of surface water/groundwater due to wastewater discharge from the construction site or due to direct/indirect disposal of wastewater? | √ | | No groundwater contamination is anticipated, if the septic tank is built this will be properly lined to avoid percolation and contamination of groundwater. |
| 6. Alteration of surface water hydrology of waterways resulting in increased sediment in streams/rivers or due to increased soil erosion at the construction site? | | √ | No surface water body is present near the sub-project area. However, small sewerage drains are present which may be contaminated or blocked during construction activities. Adequate measures like drain covers have been proposed to avoid/reduce siltation and blockage in the sewerage drain. |
| 7. Deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction? | | √ | This will be a temporary impact during the construction phase. If the rented house will be used as a camp, then all SOPs of EHS will adhere. No large-scale labour will require for rehabilitation work local labour will prefer. |
| 8. Over pumping of groundwater, leading to salinization and ground subsidence? | | √ | Overpumping of the GW will not be envisaged. |
| 9. Serious contamination of soil due to construction works? | | √ | This normally happens when these materials are transported in open or loosely capped containers. As pre-fabricated pipes will be used, hence this impact will not be envisaged for rehabilitation work. Furthermore, the contractor is required to adopt the proper mitigation that includes good housekeeping, training of his staff, and disposal of waste and implementation of waste management plans. |
| 10. Aggravation of solid waste problems in the area? | √ | | The solid waste problem during construction activities will be mitigated by adopting the proper solid waste |

³ Ibid.

⁴ According to Environmental Assessment Guidelines adopted by Punjab EPA

⁵ Ibid.

⁶ due to caste, creed, religion or gender e.g. transgender

⁷ Sewerage /Drainage system, Water supply lines, tube-wells, WAPDA/Telephone transmission lines/electric poles, Railway tracks, Gas pipelines, Roads, Shops/Plazas, Banks, Industry, Disposal stations etc.

| Screening Questions | Yes | No | Remarks |
|---|--|----|--|
| | | | management plan. Only during the construction, period and having reversible impacts, monitoring will be done regularly. |
| 11. Generation of hazardous waste? | | √ | PVC prefabricated pipes will be used hence no impact will foresee anyhow if generated the hazardous waste will be disposed of through EPA-approved contractors. |
| 12. Increased air pollution due to sub-project construction and operation? | √ | | Adaptation of speed limits for construction vehicles and timely servicing and maintaining them up to the given standards will reduce the volume of air emissions to the surrounding. Frequent monitoring of air quality will support to review of the effectiveness of the mitigation measures. Limit the air emissions within PEQS. |
| 13. Noise and vibration due to sub-project construction or operation? | √ | | All stationary noise-making equipment will be installed with acoustic enclosures. Timings of noise construction activities will be regulated near sensitive receptors. Further regular monitoring of noise levels will be adopted and continuous monitoring is proposed during the construction stage as a migratory measure. |
| 14. Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents due to solid/liquid? | √ | | Stagnant water will be removed immediately and this impact will anticipate during the construction phase. Temporary excavated areas may provide breeding grounds for mosquitoes including dengue. Mitigation will be proposed like filled top soil which will naturally restrict mosquito breeding. |
| 15. Use of chemicals during construction? | √ | | The workers using the chemicals should have the training and should wear the PPEs. |
| C: Potential Social Impacts Will the Sub-Project cause... | | | |
| 1. Impairment of historical/cultural areas; disfiguration of landscape or potential loss/damage to Physical Cultural Resources (PCRs)? | There will be no impairment of historical/cultural areas and there will be no disfiguration of landscape or potential loss/damage to Physical Cultural Resources (PCRs). | | |
| 2. Displacement or involuntary resettlement of people? (physical displacement and/or economic displacement) (If "Yes", please also fill Involuntary Resettlement Screening Checklist) | | √ | There is no physical and economic displacement or involuntary resettlement of the people. |
| 3. Disproportionate impacts on the poor, women and children and or other vulnerable groups ⁸ (mentioned above)? | | √ | There is no impact on the poor, women and children, or other vulnerable groups. |
| 4. Temporary impediments in movements of people/transport and animals? | √ | | The movement will be restricted for a few hours only, and the residents/people will be informed before the construction activities. |
| 5. Large population influx during sub-project construction and operation that causes an increased burden on social infrastructure and services (such as water supply and sanitation systems)? | | √ | It's a small-scale project and therefore, there will be no large population influx among the locals. However, during construction activities, separate sanitary facilities and water will be adequately supplied to the labor force by the |

⁸ Women, Children, Women headed households, People in old age, people having disabilities, socially isolated community groups and or people living below the poverty line

| Screening Questions | Yes | No | Remarks |
|---|-----|----|---|
| | | | contractor to avoid and conflict with the local community on the use of their water resources. |
| 6. Social conflicts if workers from other areas are hired? | √ | | The contractor will be bound to hire the locals for unskilled work during construction and hence such conflict is not anticipated however, awareness programs will be conducted for both labor force and the local community in order to minimize possible conflicts. |
| 7. Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological, and radiological hazards during project construction and operation? | √ | | Workers may get exposed to dust and noise during construction activities. However, the exposure levels are likely for a short time. Workers will be provided with requisite PPEs to minimize such exposure and associated harmful occupational health effects. Also, a regular monitoring schedule is to be proposed under close supervision and coordination of a professional Occupational Health & Safety Officer of the Project Implementation Consultant through EHS SOPs. |
| 8. Risks to community health and safety due to the transport, storage, and use and/or disposal of materials such as explosives, fuel and other chemicals during construction and operation? | √ | | Occupational health and safety impacts are anticipated and mitigated through EHS SOPs. |
| 9. Community safety risks due to both accidental and natural causes, especially where the structural elements or components of the project are accessible to members of the affected community or where their failure could result in injury to the community throughout project construction, operation and decommissioning? | √ | | A regular monitoring schedule to be proposed under close management of a professional Occupational Health & Safety officer as per EHS SOPs. |
| 10. Any impact on sensitive receptors (mentioned above) | √ | | The sensitive receptors may be subject to the impact like vibration, noise and emission which will be mitigated by installing acoustic equipment, silencers, maintenance of machinery, limiting the time specific construction activity near the receptors and with regular monitoring of construction activities near the sensitive receptors. |
| 11. Any impact of negative nature on already existing infrastructure including public amenities | | √ | No impact is foreseen on existing infrastructures. |

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Signature:
Date: 18 October 2022

Check By:
Name:
Signature:
Date:

Endorsed By:
Name:
Signature:
Date:

Appendix A-Environmental and Social Categorization of Sub-Projects

Using the Environmental and Social Screening Checklist, E & S Categorization of sub-projects of PCP is and will be carried out as following:

For Environmental Category:

E-1 = All those sub-projects having adverse environmental impacts and or those sub-projects that come under Schedule I and II of Pakistan Environment Protection Agency Review of IEE and EIA Regulations 2000 will need to submit **Initial Environmental Examination (IEE)** or **Environmental Impact Assessment (EIA)**⁹ report

E-2 = All those sub-projects which will have moderate negative environmental impacts will need to submit **Environmental and Social Management Plans (ESMP)**¹⁰

E-3 = All those sub-projects which will have no negative environmental impacts will be categorized as E3 and for those, no further process will be required¹¹ after E &S Screening

For Social Category:

S-1= All those sub-projects having negative social impacts of significant nature on > 40 households and or it require displacement/resettlement of > 40 households for land acquisition, will need to submit Social Assessment (SAR), Social Management Plan (SMP) and Resettlement Action Plan (RAP)

S-2= All those sub-projects having negative social impacts of significant nature on 1 – 40 households and or it require displacement/resettlement of 1- 40 households for land acquisition, will need to submit Social Assessment (SAR), Social Management Plan (SMP) and Abbreviated Resettlement Action Plan (ARAP)

S-3= All those sub-projects having no negative social impacts and or they are not involved in displacement/resettlement of any nature, will be categorized as S3 and No further process will be required after E &S Screening

Appendix B-Important Definitions

1. Environmentally sensitive areas ¹²

Environmentally sensitive areas are landscape elements or places which are vital to the long-term maintenance of biological diversity, soil, water or other natural resources both on the site and in a regional context.

2. Cultural heritage¹³

- Tangible cultural heritage:
 - movable cultural heritage (paintings, sculptures, coins, manuscripts)
 - immovable cultural heritage (monuments, archaeological sites, and so on)
 - underwater cultural heritage (shipwrecks, underwater ruins and cities)

⁹ .All the social impacts (except those that come under S1 and S2 Category of land acquisition) of E1 Category sub-projects will be covered in IEE/EIA report

¹⁰ .All the social impacts (except those that come under S1 and S2 Category of land acquisition) of E2 Category sub-projects will be covered in the ESMP

¹¹ .For all those sub-projects which will have no negative environmental impacts and are categorized as E3 but they require construction labor/workers for the execution ,will follow the Environment, Health and Safety SOPs prepared for PCP and they will follow the instructions given by ESM team of PCP

¹² <https://www.sciencedirect.com/science/article/abs/pii/S0169204694020169>

¹³ <http://www.unesco.org/new/en/culture/themes/illicit-trafficking-of-cultural-property/unesco-database-of-national-cultural-heritage-laws/frequently-asked-questions/definition-of-the-cultural-heritage/>

- Intangible cultural heritage: oral traditions, performing arts, rituals

3. Wetlands

- Wetlands are areas where water covers the soil, or is present either at or near the surface of the soil all year or for varying periods of time during the year, including during the growing season.¹⁴
- areas of marsh, fen, peat and or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, including areas of marine water the depth of which at low tide does not exceed six meters".¹⁵

4. Buffer zone of protected area

Areas peripheral to a specific protected area, where restrictions on resource use and special development measures are undertaken in order to enhance the conservation value of the protected area.¹⁶

5. Special area for protecting biodiversity/ Key Biodiversity Areas (KBA)

Sites that contribute significantly to the global persistence of biodiversity, in terrestrial, freshwater and marine ecosystems ¹⁷

6. Estuarine

Area of the mouth of a river where it broadens into the sea, and where fresh and seawater intermingle to produce brackish water. The estuarine environment is very rich in wildlife, particularly aquatic, but it is very vulnerable to damage as a result of human activities.¹⁸

7. Hazardous substance means-

(a) A substance or mixture of substance, other than a pesticide as defined in the Agricultural Pesticide Ordinance, 1971 (II of 1971), which, by reason of its chemical activity is toxic, explosive, flammable, corrosive, radioactive or other characteristics causes, or is likely to cause, directly or in combination with other matters, an adverse environmental effect; and

(b) Any substance which may be prescribed as a hazardous substance;

Hazardous waste means waste which is or which contains a hazardous substance or which may be prescribed as hazardous waste, and includes hospital waste and nuclear waste; ¹⁹

8. Waste

Waste means any substance or object which has been, is being or is intended to be, discarded or disposed of, and includes liquid waste, solid waste, waste gases, suspended waste, industrial waste, agricultural waste, nuclear waste, municipal waste, hospital waste, used polyethylene bags and residues from the incineration of all types of waste. ²⁰

¹⁴ <https://www.epa.gov/wetlands/what-wetland>

¹⁵ <https://www.ramsar.org/sites/default/files/documents/library/info2007-01-e.pdf>

¹⁶ <https://www.biodiversitya-z.org/content/buffer-zones.pdf>

¹⁷ <https://biodiversitya-z.org/content/key-biodiversity-areas-kba>

¹⁸ <https://biodiversitya-z.org/content/estuary>

¹⁹ Punjab Environmental Protection Act 2012

²⁰ ibid

Pictures of Project Siting



Replacement of water supply old lived pipes in Mohalla Rasulnagar & Mandiala road etc.



Rehabilitation of Tubewell at Mandiala Water Works



View of Projce Area at Mohalla Rasulnagar and Mandiala

INVOLUNTARY RESETTLEMENT SCREENING CHECKLIST

Name of City/MC/LG : Kamoke

Sub-Project Sector: Water Supply Scheme

Sub-Project Title: Rehabilitation Water Supply Lines & Installation of one new TW

Sub- Project Categorization: S-1

√ S-2

Date of Screening:

| SECTION 1 | Yes | No | Expected | Remarks |
|---|-----|----|----------|---|
| Does the project require land acquisition? Yes/No | √ | | | Land acquisition is required for the installation of a new tube well in the sub-project hence the Involuntary Resettlement Checklist was also used during the field survey to assess the |
| If yes, then describe the type of land being acquired from the categories below: | | - | | A new tube well will be installed at Govt. School Boys High No.2. Land belongs to Education Department. No Objection Certificate (NOC) for installation of tube well has been issued by the Principal, Govt. High No.2 Kamoke received from the District Education Officer (SE) |
| Has any AED been conducted at the proposed location by the government ¹ ? Yes/No | | √ | | No AED ²¹ has been conducted in any part of the sub project area |
| Land (Quantify and describe types of land being acquired in "Remarks column". | | | | No land has been acquired for the Rehabilitation of Water Supply Lines but for installation of new tubewell will be done on government owned |
| Government and LG owned land free of occupation (agriculture or settlement) | √ | | | A new tube well will be installed at Govt. School Boys High No.2. Land belongs to Education Department. |
| Government or state-owned land (other than LG) free of occupation (agriculture or settlement) | | √ | | |
| Private land | | √ | | |
| Residential | | √ | | |
| Commercial | | √ | | |
| Agricultural | | √ | | |
| Communal | | √ | | |

²¹ Anti Encroachment Drive

| | | | | |
|---|---|---|--|--|
| Others (specify in “remarks”). | √ | | | No Objection Certificate (NOC) for installation of tube well has been issued by the Principal, Govt. High No.2 Kamoke received from the District Education Officer (SE) Gujranwala vide No. 4657/Dev Dated 31-10-2022. |
| Name of owner/owners and type of ownership document if available. | | √ | | Land belongs to education department No Objection Certificate (NOC) for installation of tube well has |
| If land is being acquired, describe any structures constructed | | √ | | No structure constructed on it |
| Land-based assets: | | √ | | |
| Residential structures | | √ | | |
| Commercial structures (specify in “remarks”) | | √ | | |
| Community structures (specify in “remarks”) | | √ | | |
| Agriculture structures (specify in “remarks”) | | √ | | |
| Public utilities (specify in “remarks”) | | √ | | |
| Others (specify in “remarks”) | | √ | | |
| If agricultural land is being acquired, specify the following: | | √ | | No agricultural land has been acquired as the sub project area falls in residential area |
| Agriculture related impacts | | √ | | |
| Crops and vegetables (specify types and cropping area in (“Remarks). | | √ | | |
| Trees (specify number and types in “remarks”). | | √ | | |
| Others (specify in “remarks”). | | √ | | |
| Affected Persons (APs) | | √ | | |
| Will any people be displaced from the land when acquired? Yes/No | | √ | | No displacement / relocation occurred because land acquisitions is not involved in the sub project area |
| Number of APs | | √ | | No APs has been identified because of no land acquisition |
| Males | | √ | | |
| Females | | √ | | |
| Titled landowners | | √ | | |
| Tenants and sharecroppers | | √ | | |
| Leaseholders | | √ | | |
| Agriculture wage laborers | | √ | | |
| Encroachers and squatters (specify in remarks | | √ | | |
| Vulnerable APs (e.g. women headed households, minors and aged, orphans, disabled persons, and those below the poverty Line). Specify the number and vulnerability in “remarks”. | | √ | | No Vulnerable APs has been identified in the sub project area |
| Others (specify in “remarks”) | | √ | | |
| How will people be affected? | | √ | | |

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Date: 18 October 2022

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