

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 field for environmental and social screening and categorization of each and 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 of this Checklist

It is to be attached with the main document² of sub-projects at 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 Checklists 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: Asif Ali Farzand

Name of MC: Kamoke

Sub-Project Sector: Solid Waste Machinery

Sub-Project Title: Construction of Parking Shed MC Kamoke

Sub- Project Categorization:

E-1	S-1
E-2	S-2
E-3	S-3

Date of Screening: 26-2-2021
Revised screening: 27-7-2022

Anticipated Project Activities

- Sheds for vehicles with trusses and Aluzinc sheeting at the top
- Office room with toilet
- Washing ramp
- Store room
- Parking aprons
- Generator pad
- Water supply and drainage system

Estimated Cost of Subprojects 52.613 million/- PKR
Estimated Cost of EHS: 0.112 million PKR

Completion Time/Duration 06 month maximum.
Estimated Labor involved: 08-10

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

	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 lies in the sub-project area
Any surface water body (river, canal, stream, lake, wetland) within 250 meter of the proposed sub project ³		✓	No water body is present at subproject area.
Estuarine		✓	No estuarine present in sub-project area
Special area for protecting biodiversity		✓	No such area found near sub-project site
Buffer zone of protected area		✓	No buffer zone of environmentally protected area present near sub-project site
Mangroves Forest		✓	No mangroves forest present in sub-project area
Man-made forest /game reserve, orchid /crops or any other area of environmental importance		✓	No Man-made Forest /game reserve, orchid /crops or any other area of environmental importance
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 PCR found in the vicinity of sub-project area
Sensitive receptors (Schools, colleges, hospitals and clinics) within 100 meter of the proposed sub project ⁵		✓	No sensitive receptors present near subproject site
Any graveyard of local community (Muslims or Christians)		✓	No graveyard present near subproject site
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 demographically or socio-economically vulnerable aspects of the sub-project were observed
Already existing infrastructure ⁷ (including public amenities) which may be required to dismantle or may be affected temporarily by any means?	✓		As the sub-project activities will be executed on MC owned land and there is one abandoned water tanki 30-40 years old. The current condition of water tanki is deteriorated. Dismantling of this structure is involved.
B. Potential Environmental Impacts Will the Sub-Project cause...			

	Yes	No	Remarks
1. Disturbance to habitats/biodiversity of environmentally sensitive or protected areas?		✓	No environmentally sensitive or protected area present in the sub-project area
2. Cutting of trees?		✓	Proposed site has not any type of plantation.
3. Disruption to habitats/biodiversity of surrounding ecosystem/environment?		✓	No ant disruption to habitats/biodiversity of surrounding ecosystem/environment
4. Generation of wastewater during construction or operation?	✓		During operation wastewater generation is expected and will be treated through septic tanks and further dispose of to the main sewerage system of the city.
5. Pollution of surface water/ground water due to wastewater discharge from construction site or due to direct/indirect disposal of waste water?		✓	No wastewater will be disposed of in nearby surface water body. However, due to construction of toilets, sewerage water will be safely disposed connecting it with the main disposal sewerage system of the city
6. Alteration of surface water hydrology of waterways resulting in increased sediment in streams/rivers or due to increased soil erosion at construction site?		✓	Not anticipated
7. Deterioration of surface water quality due to silt runoff and sanitary wastes from worker-based camps and chemicals used in construction?		✓	No labor camp is envisaged. Local labor will be hired
8. Over pumping of ground water, leading to salinization and ground subsidence?		✓	No over pumping will be involved. For water supply to the vehicles washing area and toilets, provision for installation of water pump is made which will not exploit the existing ground water resources.
9. Serious contamination of soil due to construction works?		✓	Sub-project activities do not involve use of chemicals or lubricants, only earth material, sand and cement will be used, so no serious contamination of soil is anticipated during construction activities.
10. Aggravation of solid waste problems in the area?		✓	No aggravation of solid waste problems in the area is anticipated. The waste construction material will be collected

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.

	Yes	No	Remarks
			and disposed at designated place recommended by supervision engineer within 24 hours.
11. Generation of hazardous waste?		✓	No hazardous waste will be generated during the project activities
12. Increased air pollution due to sub-project construction and operation?	✓		The subproject interventions are on small scale that will not significantly increase air pollution, however regular water sprinkling will be done.
13. Noise and vibration due to sub-project construction or operation?	✓		Noise and vibration will be generated. PPEs use by labor will be ensured.
14. Creation of temporary breeding habitats for diseases such as those transmitted by mosquitoes and rodents due to solid/liquid?		✓	This impact can be arisen if water ponding will be done at construction site therefore it will be ensured that no water ponding will occur during construction phase.
15. Use of chemicals during construction?		✓	No chemicals will be used
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)?		✓	No historical/ cultural areas or PCRs present in the sub-project area, therefore No impact is envisaged.
2. Displacement or involuntary resettlement of people? (Physical displacement and/or economic displacement) (If "Yes", please also fill Involuntary Resettlement Screening Checklist)		✓	No one will be required to be displaced or resettled due to sub-project interventions
3. Disproportionate impacts on the poor, women and children and or other vulnerable groups ⁸ (mentioned above)?		✓	Sub-project will not cause any impact on any of the vulnerable groups
4. Temporary impediments in movements of people/transport and animals?		✓	As the construction activities will be confined within the boundary wall of existing MC owned land so there will be no impediment in the movement of people, transport or animals.
5. Large population influx during sub-project construction and operation that causes increased burden on social infrastructure and services (such as water supply and sanitation systems)?		✓	Local labor will be hired who will return to their houses after day's work and the sub-project will not cause burden on social infrastructure and services

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

	Yes	No	Remarks
6. Social conflicts if workers from other areas are hired?	✓		To avoid social conflicts local labor will be hired
7. Risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological, and radiological hazards during project construction and operation?	✓		There may be safety and health issues during material transportation and other construction activities. Contractor will provide PPEs and implement HSE plan at site to avoid such hazards
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?	✓		There may be safety issues during material transportation and construction activities. Health and safety SOPs will be implemented
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?	✓		There may be safety issues during material transportation and Construction activities. Health and safety SOPs will be implemented
10. Any impact on sensitive receptors (mentioned above)		✓	No sensitive receptors present along sub-project area therefore no such impacts are anticipated
11. Any impact of negative nature on already existing infrastructure including public amenities		✓	No public amenities or infrastructure within RoW of the subproject area

Prepared By: MO I&S

Name: Asif Ali Farzand

Date: 27-07-2022

Signature

Endorsed By: PO ESM

Name: Tehmina Kiran

Date: 27-07-2022

Signature

Pictures





Figure 1: Water Tanki to be demolished

INVOLUNTARY RESETTLEMENT SCREENING CHECKLIST

Name of ESFP: Asif Ali Farzand

Name of MC: Kamoke

Sub-Project Sector: Solid Waste Machinery

Sub-Project Title: Construction of Parking shed

Sub- Project Categorization:

S-1

S-2

S-3

Date of Screening: 27-7-2022

SECTION 1	Yes	No	Expected	Remarks
Does the project require land acquisition? Yes/No		✓		The proposed site for parking shed is on MC owned
If yes, then describe the type of land being acquired from the categories below:				
Has any Anti Encroachment Drive (AED) been conducted at the proposed subproject location by the Government since 2018 ⁹ ? Confirm from MC and local communities during public consultation		✓		
Land (Quantify and describe types of land being acquired in “remarks column”).		✓		
Government and LG owned land free of occupation (agriculture or settlement)	✓			It is MC owned land with no encroachment and settlement.
Government or state-owned land (other than LG) free of occupation (agriculture or settlement)		✓		
Private land		✓		
Residential		✓		
Commercial		✓		
Agricultural		✓		
Communal		✓		
Others (specify in “remarks”).		✓		
Name of owner/owners and type of ownership document if available.		✓		
If land is being acquired, describe any structures constructed on it		✓		
Land-based assets:		✓		
Residential structures		✓		
Commercial structures (specify in “remarks”)		✓		
Community structures (specify in “remarks”)		✓		
Agriculture structures (specify in “remarks”)		✓		

⁹. The sub-projects have to avoid all locations where any Government led AED has been conducted, such sites are ineligible for WB financing

SECTION 1	Yes	No	Expected	Remarks
Public utilities (specify in "remarks")		✓		
Others (specify in "remarks")		✓		
If agricultural land is being acquired, specify the following:		✓		
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		✓		
Number of APs		✓		
Males		✓		
Females		✓		
Titled land owners		✓		
Tenants and sharecroppers		✓		
Leaseholders		✓		
Agriculture wage laborers		✓		
Encroachers and squatters (specify in remarks column)		✓		
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".		✓		
Others (specify in "remarks")		✓		
How will people be affected?		✓		

Prepared By: MOI & S

Name: Asif Ali Farzand

Date: 27-7-2022

Signature

Endorsed By: PO ESM

Name: Tehmina Kiran

Date: 27-07-2022

Signature

Environmental & Social Management & Monitoring Plan

Parking Shed at MC Kamoke

Sr. no	Activity	Environmental / social impact	Intensity of impact Low/medium/high	Mitigation/ remediation	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility
Design phase								
1	Planning	Land acquisition and resettlement	low	This proposed site for parking shed is MC owned land	MC ESFPs	Verification by MC		PMDFC
		Change in land use due to site clearance, pavement works	Medium	<ul style="list-style-type: none">Contractor & labor will be strictly instructed not to cut or damage the existing planation at site	MC ESFPs	visual	During and post subproject execution	DOP-ESM
Construction phase								
3	Construction material storage, handling and use	Environmental Issues: <ul style="list-style-type: none">Ground water may be contaminated due to the any oil spillages	Medium to negligible	<ul style="list-style-type: none">Construction material will be covered to ensure safe passage between the destinations during transportation.Materials will not be loaded to a higher level than the side and tail boards and shall be covered with a good quality tarpaulin;At subproject site there will be vacant space after clearance of site	Contractor	Visual/ Pictures	<ul style="list-style-type: none">Daily site visit during construction phaseFortnightly/Weekly Once during the	<ul style="list-style-type: none">ESFPsDPO ESM Supervision Consultants E&S team

Sr. no	Activity	Environmental / social impact	Intensity of impact Low/medium/high	Mitigation/ remediation	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility
		from machinery. ○ Health risk to workers and local inhabitants. ○ Poor Housekeeping Social Issues: Land acquisition for storage of construction material		for safe and temporary storage of material. Anyhow, if land may need to be acquired for temporary storage of machinery & materials, contractor will be liable to compensate the land owner accordingly through agreement/negotiations/voluntarily. • Contractor will lay/utilize construction materials as per work requirement from his storage site. • Contractor will use night vision reflective signboards/ reflective tapes to cordon off the area during construction activities.			construction phase	
4	Labor Camp (if established by Contractor)	Health impacts due to absence of housing and sanitation facilities in labor camp	Medium	• Only 10-15 local labor will be hired by the contractor. • There will be no need to establish the labor camp or house rent. • In case, there is need to accommodate the Environmental, Health & Safety SOPs for labor will be followed. Contractor will submit Campsite Management Plan and approve from DPO-ESSs before the execution of work.	Contractor	Visual/Pictures	• Daily site visit during construction phase • Fortnightly/Weekly • Once during the construction phase	• ESFPs • DPO ESM • Supervision Consultants E&S team
5	Vehicle Movement	• Traffic congestion • Conflicts	Negligible	• Sign boards and posters will also be displayed at Sub-project site and adjacent areas as well. Inform	Contractor	Visual/Pictures, Vehicle	• Daily site visit during	• ESFPs • DPO ESM

Sr. no	Activity	Environmental / social impact	Intensity of impact Low/medium/high	Mitigation/ remediation	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility
		<ul style="list-style-type: none"> Vehicle emissions 		the residents about timing, schedule and construction work duration.		emission tests reports, GRM ¹⁰ Complaints record	construction phase <ul style="list-style-type: none"> Fortnightly/Weekly Once during the construction phase 	<ul style="list-style-type: none"> Supervision Consultants E&S team
6	Construction activity and Vehicle	Noise pollution/ due to construction vehicle Air Pollution due to dust	Moderate	<ul style="list-style-type: none"> Labor will be exposed to noise & air pollution. Contractor will ensure the use of well-tuned machinery and skilled labor Providing Personal Protective measures to labors. Water sprinkling will be done on regular basis. 	Contractor	Visual/ Pictures	Once during the construction phase	<ul style="list-style-type: none"> ESFPs DPO ESM Supervision Consultants E&S team
7	Construction waste	waste generation due to construction activities	Moderate	<ul style="list-style-type: none"> Waste will be removed from site on alternate days. At project site one area within boundary will be used as collection and transfer point of waste. Waste bins will be hanged at site at different location. 	Contractor	Visual/ Pictures	Once during the construction phase	<ul style="list-style-type: none"> ESFPs DPO ESM Supervision Consultants E&S team

¹⁰ GRM for subproject implementation will cater to all subproject beneficiaries. The GRM mechanism is based on two-tier grievance redress committees—at MC Kamoke, PMDFC/LG&CDD level. At construction site number of GRC members will be display.

Sr. no	Activity	Environmental / social impact	Intensity of impact Low/medium/high	Mitigation/ remediation	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility
		Contamination of nearby water body	Moderate to Negligible	<ul style="list-style-type: none"> Labor will be trained not to dispose of construction material in any surface water body. This training will be conducted before start of construction phase. Time to time training on waste management will be imparted. 	Contractor	Visual/ Pictures	Once during the construction phase	<ul style="list-style-type: none"> ESFPs DPO ESM Supervision Consultants E&S team
8		Temporary blockage of road may restrict mobility	Negligible	<ul style="list-style-type: none"> No blockage will be anticipated during construction phase as the work will be done in boundary of site. 	Contractor	Visual/ Pictures	Once during the construction phase	<ul style="list-style-type: none"> ESFPs DPO ESM Supervision Consultants E&S team
9		Economic loss of permanent and mobile vendors due to obstruction of passage	Negligible	<ul style="list-style-type: none"> There is no Economic loss of permanent and mobile vendors due to obstruction of passage is anticipated during execution of subproject. 	Contractor	Visual/ Pictures	Once during the construction phase	<ul style="list-style-type: none"> ESFPs DPO ESM Supervision Consultants E&S team
10		Temporary loss of structures and private property	Negligible	<ul style="list-style-type: none"> No temporary loss of structures and private property will be envisaged. 	Contractor			
11		Conflicts with public	Negligible	<ul style="list-style-type: none"> Labors should be trained for healthy team work All conflicts will be resolved as per law if produce. 	Contractor			

Sr. no	Activity	Environmental / social impact	Intensity of impact Low/medium/high	Mitigation/ remediation	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility
12	Cutting of trees	Damage to biodiversity & Aesthetic beauty.	negligible	<ul style="list-style-type: none"> At proposed site there is no much plantation. However Labor will be instructed not to damage the plantation. 	MC, Contractor	Visual/ Pictures	<ul style="list-style-type: none"> Daily site visit during construction phase Fortnightly/Weekly Once during the construction phase 	<ul style="list-style-type: none"> ESFPs DPO ESM Supervision Consultants E&S team
13	Occupational Health & Safety	<ul style="list-style-type: none"> Injuries to workers/LTI 	High	<ul style="list-style-type: none"> Contractor will follow PMDFC designed Environment, Health and Safety SOPs for Labor/Workers for all activities on the site and these SOPs will be the part of his term of reference and contractual agreement. Workers will be trained by the PMDFC ESM team and guided to follow SOPs and will be provided with necessary PPEs (Safety Helmets, Safety Shoes, Gloves, Chemical Masks etc.) wherever required. First aid will be provided onsite Careful monitoring will also be carried out. 	Contractor	Visual/ Pictures	<ul style="list-style-type: none"> Daily site visit during construction phase Fortnightly/Weekly Once during the construction phase 	<ul style="list-style-type: none"> ESFPs DPO ESM Supervision Consultants E&S team

Sr. no	Activity	Environmental / social impact	Intensity of impact Low/medium/high	Mitigation/ remediation	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility
	Sexual Harassment- Labor Influx- Child Labor	Social Conflicts	Low	<ul style="list-style-type: none"> Contractor will give behavioral training to the workforce. Contractor will hire local labor for un-skilled works. No child labor is allowed onsite below 14 years. GRM at site level will be ensured to report in case of any such incident 	Contractor	Visual/ Pictures/Report ed/Complains by public during visit	<ul style="list-style-type: none"> Daily site visit during construction phase Fortnightly/Weekly Once during the construction phase 	<ul style="list-style-type: none"> ESFPs DPO ESM Supervision Consultants E&S team
	COVID-19 SOPs implementation	<ul style="list-style-type: none"> Spread of Corona among the labor 	Low	<ul style="list-style-type: none"> Contractor will provide face masks to the labor on daily basis to reduce Corona impact. Contractor will follow CoViD-19 guidelines during construction works 	Contractor	Visual/ Pictures	<ul style="list-style-type: none"> Daily site visit during construction phase Fortnightly/Weekly Once during the construction phase 	<ul style="list-style-type: none"> ESFPs DPO ESM Supervision Consultants E&S team
Operational Phase								
	Washing Vehicles	Wastewater Generation	Medium	<ul style="list-style-type: none"> The cleaning facility must be properly designed, with the necessary slope so that washing water is correctly collected and, 	MC	-	Regular	MC officials

Sr. no	Activity	Environmental / social impact	Intensity of impact Low/medium/high	Mitigation/ remediation	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility
				<p>therefore, it is not missed around and causes problems (flooding, odour, nuisance to neighbours, etc.).</p> <ul style="list-style-type: none"> • It is recommended to close or delimit the washing area with walls to prevent spray and stuck dirt getting out of the washing area. • The washing area must be far from cleaning products storage area to avoid chemical products runoff. • Avoid washing vehicles out of the area specially designed for it, and it also prevents wastewater discharge into surface water or soil. • Build suitable drainage systems in the workshop to avoid flooding of wastewater • Set up wastewater intercepting facilities (such as kerb or collection channels) around 				

Sr. no	Activity	Environmental / social impact	Intensity of impact Low/medium/high	Mitigation/ remediation	Mitigation Implementation Responsibility	Monitoring Indicators	Monitoring Frequency	Monitoring Responsibility
				workshops to avoid egress wastewater. • Do not allow the overflow of wastewater				
	Water Consumption & Conservation	Impact on water quantity	medium	<ul style="list-style-type: none"> • Pressure lances must be replaced by washing brushes when cleaning the ground, thus decreasing water consumption. • Use buckets to carry water and towels to wash cars • Do not allow water to run continuously from taps and spray. • Users must be informed about how much water is saved when washing the car in efficient facilities. • Environmental benefits derived from proper management of water must be announced. 	MC	-	Regular	MC officials

Environment Health & Safety Cost

Parking Shed MC Kmoki					
Sr. no	Description	Unit	Quantity	Unit rate	Amount (Rs)
	Face Masks (3 PLY)	Nos	10.0	700./RS	7000.
	Safety Gum Shoes	Nos	15.0	1350./RS	20,250
	Hand Gloves	Nos	15.0	245./RS	3675
	*First Aid Box (Including essential Medicine)	Nos	1.0	5000./RS	5000
	*Safety Hard Helmets MSA	Nos	15.0	2000./RS	30,000
	Safety Goggles	Nos	15.0	550./RS	8250
	*Reflective Safety Vests	Nos	15.0	550./RS	8250
	Sub-Total				82,425
	*Reflective Safety Signs Boards	Nos	2.0	10,000./RS	20,000
	*Reflective Safety Barricading Tape	Nos	2.0	1500./RS	3000
	*Fire Extinguishers DCP	Nos	1.0	7000./RS	7000
	Sub-Total				30,000
	Total amount				112,425