

Environmental and Social Screening Report

Rehabilitation of existing Fish Aquarium at Bin Qasim Park.

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List of Acronyms

AED: Anti-Encroachment Drive

GDP: Gross Domestic Product

GoS: Government of Sindh

DMCs: District Municipal Corporations

KMC: Karachi Metropolitan Corporation

CLICK: Competitive and Livable City of Karachi

PDOs: Project's Development Objectives

LCs : Local Councils

UIPT: Urban Immovable Property Tax

SSWMB: Sindh Solid Waste Management Board

ESR: Environmental and Social Screening Report

EA : Environmental Assessment

ESC: Environmental and Social Cell

EIA : Environmental Impact Assessment

ESMP: Environmental and Social Management Plan

SEPA: Sindh Environmental Protection Agency

OP : Operational Policy

ESMF: Environmental and Social Management Framework

RoW: Right of Way

IEE : Initial Environmental Examination

PPEs: Personal Protective Equipment

PAPs: Project Affected People

Environmental and Social Screening Report of Proposed Sub-Project

Chapter 1: INTRODUCTION

1.1. Project Background

Karachi is Pakistan's largest city, its economic and financial hub and main seaport.. It is also among the world's least livable cities. The city ranks in the bottom five cities (out of 140), performing poorly in the dimensions of livability, health, environment, safety and education.

The Karachi City Diagnostic Study estimates an investment requirement of at least US\$9-10 billion over the next 10 years to close the infrastructure and services gaps.

During the last few decades, Karachi has suffered infrastructure neglect and declining access and quality of urban services. The city's urban planning; management and service delivery has been unable to keep pace with the needs of the growing population. Karachi's infrastructure challenges are compounded by the city's high risk and vulnerability to climate-related disasters. Despite being a relatively dry city, Karachi faces heavy rainfall during monsoon season and is highly vulnerable to recurrent and massive flooding. Increasing flooding events are mainly a result of the poor performance of the city's drainage system, which is largely blocked by uncollected solid waste and unplanned informal settlements along the drainage channels. The World Bank is assisting Government of Sindh (GoS) for strengthening the institutional and financial capacity of the Karachi local councils (Karachi Metropolitan Corporation (KMC), six District Municipal Corporations (DMCs) and District Council Karachi) to deliver and maintain critical urban infrastructure and services through the project 'Competitive and Livable City of Karachi (CLICK)'.

1.2. Project's Components

There are following four components of the project.

Component 1 – Performance-Based Grants to Local Governments and Capacity Building.

This component will finance the provision of performance-based grants (PBGs) to Karachi local councils (LCs) upon achievement of specified institutional strengthening measures, to incentivize LCs to improve management capacity and enhance city competitiveness. LCs will use these grant funds to implement subprojects for infrastructure and services under their mandate, in line with the needs of citizens and businesses. To assist LCs in achieving the institutional strengthening measures, and to manage and implement the performance grants system, this component will also finance the provision of technical assistance (TA), and project implementation and management, by the Local Government Department (LGD) of GoS. Subprojects to be implemented by LCs will be selected based on a comprehensive screening and risk reduction procedure.

- **Sub-component 1.1:** Performance-based Grants to Local Councils and
- **Sub-component 1.2:** Technical Assistance and performance grants implementation and management.

Component 2 – Technical Assistance for reforming urban Property Tax administration and system indicative financing.

Component 3 – Improving City's Competitiveness and Business Environment.

Component 4 – Technical Assistance for Solid Waste Management

Chapter 2: LEGISLATIVE REQUIREMENTS

2.1. Legislative Requirements

This section of the screening report document gives an overview of the legislative requirements that applies to the proposed sub-project, the activity is expected to comply with all the national provincial and World Bank safeguards requirements including – World Bank operational Policies and Sindh Environmental Protection Agency (SEPA) laws and all the required regulatory clearances will be obtained. All legal provisions relevant to environmental protection applicable to the design, construction and operation were identified under the scope of the ESR. The Local Council and Contractor will be informed of these requirements and legally bound to comply with the provision as applicable.

Different relevant National and Provincial laws, policies and strategies for the proposed projects are mentioned below.

2.1.1. National and Provincial Requirements

2.1.1.1. National Policies and Laws

- Pakistan Penal Code
- The Antiquities Act, 1975

2.1.1.2 Provincial Policies and Laws

- Sindh Environmental Protection Act 2014 (SEPA 2014)
- Sindh Environmental Protection Agency (Review of IEE and EIA Assessment) Regulations, 2014
- The Sindh Local Government Act 2013
- The Sindh Wildlife Protection Ordinance, 1972
- Sindh Strategy for Sustainable Development, 2007
- Sindh Drinking Water Policy 2017
- The Karachi Water and Sewerage Board Act, 1996 (KWSB Act) The Sindh Differently Able Persons (Employment, Rehabilitation and Welfare (Amendment) Act, 2017
- The Sindh Commission on the Status of Women Act, 2015
- Sindh Bonded Labour (Abolition) Act 2015
- Sindh Factories Act, 2015
- Sindh Minimum Wages Act, 2015
- Sindh Payment of Wages Act, 2015
- The Sindh Occupational Safety and Health Act (2017)
- The Sindh Transparency and Right to Information, 2016
- Sindh Cultural Heritage (Preservation) Act, 1994

2.1.1.3 World Bank Safeguard Policies

Relevant World Bank safeguards policies triggered are as given in Table 2.1 below;

Table 2.1: Safeguard Policies Triggered and Compliance Status

#	Environmental Assessment	Policy Reference	Triggered	Remarks
1	Environmental Assessment	OP/BP 4.01	√	CLICK is categorized as category B with partial assessment. The sub-project has been screened as per OP 4.01 and is envisaged to have low to minor environmental and social impacts. Accordingly this sub-project is classified as "Category C" project per the WB Environment Safeguard category. The sub-project involves only the rehabilitation of existing Fish Aquarium building at Bin Qasim Park (Bagh Ibn e Qasim).
2	Physical Cultural Resources	OP/BP 4.11	√	Even though this OP has been triggered for this project, the requirements are not envisaged to be applicable for this activity. The subproject activities will be carried out along the existing building of Fish Aquarium with no adverse impact on any cultural, archeological, historical, heritage, or religious significant site being observed.
3	Involuntary Resettlement	OP/BP 4.12	√	This OP is triggered for the overall project of CLICK. For the subproject activity, screening has been carried out to ensure that there is no dispute and tenants/encroachment over the land used for the proposed subproject, as well as not any Anti Encroachment Drive (AED) being carried out.
4	Access to information	BP 17.50	√ Shared	This OP has been triggered for the overall project. It has been ensured that sub-project related information is put on the websites of KMC and CLICK and has been disseminated with the stakeholders to improve the design and implementation of the project.

Chapter 3: SUB-PROJECT DESCRIPTION

3.1 Details of the Sub-Project

Karachi Metropolitan Corporation "KMC" constructed the Clifton Fish aquarium in 1965 in collaboration with Japanese experts. The aquarium had 33 seawater exhibition tanks where sea-based fish were kept, and 14 freshwater tanks exhibiting fish that live in fresh water. Aquarium was closed in 1998 due to deterioration in its structural members.

In old days, the Fish Aquarium (local name Machli Ghar) at Clifton beach was an important place of recreation and amusement for the residents of Karachi, especially for children. It was among the main revenue generation sources of KMC. During last few years, this fish aquarium has had no maintenance and up gradation due to non-availability of funds. The building is showing different types of distresses, cracks and rusted steel. As per Environmental Management Framework KMC will be responsible for the Operation and maintenance of the scheme and it will be addressed by KMC annual recreational schemes O&M budget.

In view of the poor condition of the Clifton Fish Aquarium, the KMC is planning to rehabilitate the Fish Aquarium under CLICK Project. its rehabilitation will attract the people of Karachi and will provide good recreational place for the citizen especially the children. The main objective of this sub-project is to improve urban management, service delivery, and the business environment in Karachi. The KMC has decided to place this Aquarium in the first phase of this Project.

This project will provide a source of entertainment for the visitors and to save the precious land mark of Karachi, the Karachi Metropolitan Corporation is planning to rehabilitate the existing Fish Aquarium at Bin Qasim Park Aquarium as it used to be an iconic recreational facility for Karachi and located within the premises of Karachi's largest park which extends over an area of 130 acres approximately. The KMC along with civil society members is exploring possibilities for the revival of this facility. This would also spur interest in visiting the newly developed Bin Qasim Park. The fish aquarium will cater to the whole of Karachi, irrespective of the age and income differential brackets. Only locally found fish species will be housed in this fish aquarium which can be easily taken care of their living environment.

Tentative cost of the sub project Fish Aquarium at Bin Qasim Park is around PKR: 80.00 million.

3.2 Sub-Project Features

The KMC is planning to make the existing fish aquarium as state of the art aquarium to serve as a center of attraction for the children, researchers and general public at large scale. After its revival with all associated facilities, it would turn into an iconic facility for Karachi. The subproject features can be seen in Table below

Table 3.1: Sub-project salient features

Sub-Project Salient Features	Details
Rehabilitation of existing Bin Qasim Park Fish Aquarium.	Rehabilitation of existing "Fish Aquarium" at Bin Qasim Park as a state of the art aquarium having all associated facilities.

3.3. Sub-Project Location

The proposed sub-project comprises rehabilitation of the existing deteriorated fish aquarium building at Bin Qasim Park along with the street leading towards the aquarium, provision of modern lights for proper illumination, installation of heavy glass aquarium replacing the existing, floor maintenance, replacement of existing doors, coloring, rehabilitation of wash rooms and offices located inside the aquarium.



Figure 3.1: Location Map of the proposed Sub-Project

3.4. Sub-Project Significance

Karachi has seen dramatic growth over the last few decades, with population increasing by over a million people to 16 million today. By 2050, this number is expected to reach almost double.¹ Population growth and expanding urban development has necessitated provision of better recreational facilities to the citizens of Karachi. As population increase and associated urban growth continues, it will become increasingly important to undertake more such activities in other parks, in order to maintain the region's unique character, safer law and order conditions, a high quality of life, and environmental quality. Rehabilitation and provision of such projects improves our physical health and also strengthen our communities, and make our cities and neighborhoods more attractive and competitive places to live and work.

In general, the KMC is planning to bring back the Bin Qasim Park Fish Aquarium to its previous iconic status for Karachi after having remained abandoned for the past two decades. The KMC along with civil society members is exploring possibilities of reviving the facility. This would also spur public interest in visiting the newly developed Bin Qasim Park.

The proposed sub-project has the following objectives.

- To provide best recreational facilities to the residents and visitors;
- To encourage the people to visit the Bin Qasim Park;
- To make the aquarium as an Iconic recreational spot for Karachi.

3.5. Environmental Setting

The proposed sub-project site is located in Bin Qasim Park, Clifton Karachi. For better understanding of adjoining environment, important landmarks are identified with respect to accessibility to project area. The proposed sub-project area lies at the largest park of the city and densely populated urban area. Photographs of proposed project can be seen as **Annex-**

https://sites.ontariotechu.ca/sustainabilitytoday/urban-and-energy-systems/Worlds-largest-cities/population-projections/city-population-2050.php

A.

3.6. Sub-Project Commencement Details

The sub-project construction activities are expected to be initiated before July-2021 which will be continue till December 2021. The expected timeframe for the proposed sub-project can be seen in Table 3.2 below.

Table 3.2: The Tentative Schedule for the proposed sub-project

Details	Duration
Expected date for start of Construction/Rehabilitation Activities	After receiving necessary approval from World Bank in FY 2020-21 and included in bidding document
Expected year for completion	December-2021

3.7. Sub-Project Activities

3.7.1. Design Phase

This phase provides the basis for construction activities, adopted methodology and technologies that will be involved. To design the sub-project consultancy services have been taken onboard that will be providing the assistance in planning construction activities, architectural/engineering designing, cost estimation, preparation of bidding documents, contract procurement, preparation of bidding documents, bid evaluation, construction supervision, quality assurance, and monitoring and evaluation of civil works (sub-projects) and contract management under CLICK. After the World Bank approval, the consultant will assist in detailed architectural/engineering design and provision of construction drawings for the Sub projects.

3.7.2. Construction Phase

The construction activity of the proposed Sub-Project will commence after getting approval from the World Bank. This phase will involve the civil works, Electrical works and Plumbing works as follows:

- Dismantling, Removing, Replacing And Cleaning Works
 - Dismantling, cutting, chiseling and demolishing of existing RCC concrete of columns, beams, slab, projections or other structural members and where required including removal of all debris at appropriate suitable place to dispose off at locations approved by the local authorities /Engineer No new building will be constructed only damaged section will be rehabilitated
- Repair, Retrofitting And Concrete Works
- Block Masonry
- Metal Works
- Roof Screeding /Flooring And Water Proofing
- Floor Finishes
- Internal Wall Finishes
- Internal Ceiling Finishes
- External Finishes (Building And Other Than Covered Area)
- Improvement of the access road

Standard and environmentally friendly construction materials and practices will be employed.

3.7.3. Operation and Maintenance Phase

The overall responsibility of compliance of the operation and maintenance will lie with the KMC in line with the existing practices and EMF and SMF of CLICK as well as any relevant measures proposed in this ESR. The operation and maintenance works of the fish aquarium will be financed and carried out by KMC as per the EMF and SMF of CLICK.

In the organizational hierarchy of KMC, Director General (Technical Services) and Senior Director (Municipal Services) under Municipal Commissioner, will be overall responsible for the operation and maintenance of KMC projects. After the construction work completion, the subproject will be handed over to the KMC who will look after the O&M Matters as per their current mechanism, and the O&M cost will not be financed under CLICK. The O&M will be the sole responsibility of KMC.

Chapter 4: STAKEHOLDERS ENGAGEMENT

4.1. Stakeholders Consultation

The stakeholders engagement consultations has been carried out with the people of the proposed sub-project area at the pre-qualification phase, by following the methodological steps, guidelines and procedures for social screening defined in Social Management Framework (SMF) of CLICK. The purpose and methodology for the social screening process is aimed to determine the which activities of the proposed sub-project are likely to result in significant positive or negative social effects, with a view to determine appropriate impact mitigation measures for those activities to ensure sustainability of the subproject. Due to COVID-19 situation public meetings were restricted by provincial government therefore, one to one meeting/discussions were conducted adopting the COVID-19 Standard Operating Procedures at the sub-project location from 19th to 22nd April 2021 with people of the area as part of the environment and social screening study. The outcome of the consultations and determined social considerations are adhered in decision making and to carrying out the sub-project activities.

Information dissemination was ensured for the proposed project and complaint registration number has also been provided on website, social media and on banners at the project site. To address the grievances. The consultation meeting progressed in the following manner:

- An overview of the Project, Sub-project and screening process was provided to the community representatives in the local language.
- Participants were given the opportunity to raise queries o concerns regarding the Subproject. Queries were responded to and concerns were documented.

The list of consultation participants is attached as **Annex – B** and pictorial presentation of the activity as **Annex – C** respectively.

4.2. Issues discussed

The following information was shared with the people:

- Sub-project selection methodology and its sources of assistance, implementation / execution methodology,
- Information on perceived benefits from the proposed sub-project.
- Construction activity whether causing any type of health hazard or not? And mitigation measures.
- Discussion among public for sharing of information related to project, environment and social policy of World Bank direct and indirect impacts of improvement/ construction work on environment.
- Any loss of land/structure/ business or other community property due to construction activity?
- Any risk to historic or cultural monuments due to the project.
- Possible type of problems faced by the locals in their daily activities due to construction work.
- Influx of labor during the construction stage of the project.

4.3. Feedback received

The main issues and concerns raised or feedback received from the community representatives of the area and the PIU/KMC responses are summarized in Table below:

Table 4.1: Key Community Stakeholders Concerns and PIU/KMC Response

S.No	Stakeholder Feedback	PIU/KMC Response
1	Some members of the community suggested that the project scheme should be completed in time without any delay as it has already closed for almost two decades.	After obtaining necessary approvals the sub-project will be completed in expeditious manner.
2	Rehabilitation of Fish Aquarium may cause difficulties for the locals visiting the Bin Qasim Park.	It involves minor activities, and most of the task will be performed in off-peak times to avoid such hindrances or difficulties for the locals and Park Visitors. Some prefabricated materials/structures will be used.
3	How the Fish Aquarium environment would not be affected by the Local visitors after its completion.	After completion, the project will be managed by the management of the Bin Qasim Park with all necessary safeguards and protective measures.
4	Local residents and sub-contractors should be given priority for jobs during the construction phase.	The sub-project is not a labor intensive project, However, priority will be given while hiring.
5	Public utilities and overhead wires may be disturbed. Arrangements should be made to minimize the disruption of public utilities.	No utility lines would be disturbed.
6	Solid waste produced during activities should be disposed off timely.	The contractor will be bound to ensure proper disposal of the solid waste generated with following all necessary pre cautions.
7	The stakeholders show their concerns regarding Health and Safety of the commuters.	KMC assured that the requisite environmental and social management and EHS measures shall be incorporated in the contractors' document, and it will be implemented strictly.
8	Several respondents appreciated the proposed sub-project and KMC's initiative. The Proposed sub project will enhance the extra fun time activity and special place for children's to get amuse of it.	KMC/PIU acknowledged.

During consultation process about the proposed sub-project, people expressed keen interest about the proposed sub-project. Some of the local people are aware about the upcoming

local residents a	nd people of Kara	chi in general. P	eople are ready	he sub-project for t to extend all types	of
support during exarea.	xecution of the sub	-project as it wil	l be a good recre	eational facility in th	eir

Chapter 5: ENVIRONMENTAL AND SOCIAL SCREENING

5.1. Methodology of Environment and Social Screening

The environment and social screening for the sub-project has been carried out by making use of the methodology provided in the approved Environmental Management Framework (EMF), Social Management Framework (SMF), Environmental and Social Screening Checklists and Screening Questions for Involuntary Resettlement/Indigenous People (Annex-D, E and F Respectively). The environmental impacts are localized, low intensity, and temporary in nature which could be avoided or mitigated. There will be no involuntary land acquisition, and therefore there will be no physical displacement or impacts on livelihoods nor restrictions on access to the local community. Team composition details for the study are attached as an Annex - G.

5.3. Overall Screening Outcome

The proposed sub-project will not have any significant environmental & social impact because the project will not involve diversion of forest land, destruction of ecological resources, displacement of people, acquisition of private lands, or any other major environmental threats/risks. There may be some short-term inconvenience to the local users due to construction/Rehabilitation of the existing building of Fish Aquarium but it will be for a very short period if compared with its long-term benefits to the local citizens. Additional issues identified include as related Occupational, Health and Safety (OH&S) issues, generation of solid and liquid waste and air emissions which are expected to be short-term, localized and reversible in nature. The activity is expected to have long-term benefits for the local citizens. Therefore, no IEE, EIA, or ESMP is required for the subproject site.. However, mitigation measures proposed in this report should be implemented for this subproject.

5.4. Statutory Clearances/ No Objection Certificate

This is only the Rehabilitation and Construction of Fish Aquarium, which will be under use for the local women for long time and the site has already been under possession of KMC for long time. Only Statutory clearance from the Karachi Commissioner's office is obtained by the KMC, attached as **Annex – J**.

5.5. Implementation of ESR

This ESR will be an integral part of contractor's bidding documents. Contractor for the subproject will be provided with a copy of environmental screening & monitoring checklists to make arrangements for necessary compliance with the proposed mitigation measures. Regular site visits will also be arranged to monitor the compliance of the mitigation measures and their proper implementation during construction phase.

- i. This environmental monitoring will be carried out with the help of the Environmental and Social Monitoring Checklist by the Focal Person of LC, ESC of PIU and Supervision Consultant.
- ii. Safeguards Team-PIU will also arrange regular visits at sites and meetings with concerned officials to check the compliance as prescribed in Environmental and Social Screening checklist.
- iii. Based on the prevailing scenario as mentioned in Environmental and Social screening checklist, Environmental and Social monitoring checklist will be filled out accordingly.
- iv. Monitoring will also cover the analysis reports for air and noise where applicable.
- v. Summary of the findings of the monitoring for the compliance of environment and social aspects will be submitted to World Bank.

5.5.	Environmen	tal and Socia	l Mitigation	and Monito	ring		
Enviror	mental and	Social Mana	agement a	nd Monitori	ng Plan is	developed	to address the
enviror	nment and so	ocial issues th	at may arise	e during co	nstruction a	ctivities:	

Proposed Mitigation Measures	Implementation Responsibility	Monitoring Parameter(s)	Frequency	Monitoring Responsibility					
Pre-Construction Phase									
 Site Selection Existing fish aquarium has been selected for rehabilitation. This site will not result in tree loss and soil erosion, despite that this focused on rehabilitation of Clifton fish aquarium which is defunct since 1998. Karachi Electric supply is already providing uninterrupted power to the Park. Structural integrity of the building as well as proper designs will be vetted by a certified structural engineer and specialist. 	E&S Team of Contractor / Sub- contractor	Visual inspection Documentation of certification of building safety	Before initiation, During Construction	Focal Person of LC, ESS and Supervision Consultant.					
 Noise The contractors would ensure keeping noise levels from construction vehicles and machinery is within safe limits. Vehicular and machinery will not be allowed to operate at night time. Noisy machines and vehicles will not be allowed to be used at the sub-project site (noise level will not be more than 85 dBA at 7.5 m distance), properly tuned machines and vehicles will be allowed only. Workers will use noise protection equipment including ear plugs and/or ear muffs Pressure horns will not be allowed to be used by the for the construction vehicles. The contractor will adhere to the requirements of the EMF, SMF, and mitigation plan contained in the contract documents with true spirit. Confining excessively noisy work to normal 	E&S Team of Contractor / Sub- contractor	Use of machineries and equipment having less noise. Provision for personal protective equipment (PPE's), ear muffs/ear plugs to workers. Noise level testing will be carried through SEPA ***certified Lab.	Pre and During Construction of the sub-project	Focal Person of LC, ESS and Supervision Consultant					

working hours (8am-5pm) in the day. Maintain all vehicles in order to keep it in good working order in accordance with manufactures maintenance procedures - Make sure all drivers will comply with the traffic codes concerning maximum speed limit and driving hours; • Providing construction workers with suitable hearing protection such as earmuffs and training them in their use. Heavy machinery like percussion hammers and pneumatic drills should be used at a minimum level and should not be used at all during the night. Air Emissions				
 Regular water sprinkling will be the responsibility of the contractor at the dust generation points, during construction activities. The water will be also sprinkled at vehicular and machinery movement routes to avoid dust spreading to the nearby community as required. In addition, the provision of dust masks and ensuring their use by the workers will also be the responsibility of the contractor. All vehicles, machinery, equipment and generators used during construction activities should be kept in good working condition and be properly tuned and maintained to minimize exhaust emissions. Stockpiled materials will be covered to avoid dust/particulate emission. Air quality analysis will be carried out before and during construction by the contractor through engaging SEPA certified contractor, that will be shared with PIU 	E&S Team of Contractor / Sub- contractor /	Ambient Air Quality Analysis (SO _X , NO _X , CO, PM 10, PM _{2.5} , O ₃ ,) By SEPA approved Environmental Laboratory.	Pre and During Construction of the sub-project	Focal Person of LC, ESS and Supervision Consultant

Team The stack emissions from generators,					
(if used), minor excavations and					
vehicular/machinery movement at the site					
can affect the ambient air quality at sub-					
project site. It will be the responsibility of the					
contractor to use well-maintained					
generators and vehicles/machines to keep					
ambient air quality within the desired level.					
The contractor will be obliged to provide					
fitness certificate/maintenance records of					
the generators, vehicles and machines					
before deploying them at the construction					
sites.					
Solid Waste	_				
The debris (rejected material) produced					
during construction would be disposed-off					
in government approved/allocated					
disposal sites. Leftover material would not					
be dumped into storm water drains or					
watercourses, because such practices can					
clog these man-made and natural					
drainage systems and cause many other					
problems for the residents/Local					
Commuters.	E&S Team	of		During and Post	Focal Person of LC, ESS
 Non-toxic and biodegradable products will 	Contractor /	Sub-	Visual inspection	execution of	and Supervision
be used whenever possible.	contractor/		visuai irispectiori	sub-project	Consultant
 Hazardous materials will be transported 				300-bioleci	Consolidin
and stored in appropriate containers with					
clearly visible labels. Hazardous materials					
will be stored at least 100 feet from any					
down gradient drainage or within					
secondary containment capable of					
containing its entire volume (if generate					
any such as electric batteries).					
 Equipment and work areas will be regularly 					
inspected for signs of leaks and spills. Spill					

containment and cleanup kits will be available wherever hazardous materials are being used or stored. Any incidental spills or leaks will be contained and cleaned up as soon as it is safe to do so. Any contaminated soil will be collected and disposed of in an appropriate landfill. • Equipment refueling and maintenance will be limited to designated areas at least 30					
 meters (100 feet) from any down gradient drainage. Solid Waste will be safely disposed in demarcated waste disposal sites or dedicated garbage transfer stations (GTS; A contract with SEPA Approved waste contractors should be made in case hazardous waste generates from the site, defining the schedule for hazardous waste management and its disposal. Burning of waste oil should be strictly prohibited. 					
Water Pollution					
 Avoid siting of facilities near rivers, streams and nullahs (if exists) Proper disposal of solid waste in designated site to sustain the water and land quality for domestic requirements. Solid waste will not be thrown in Nullah or any water body present in the area. 	E&S Team Contractor / contractor	of Sub-	Visual inspection	During and Post execution of sub-project	Focal Person of LC, ESS and Supervision Consultant
Vehicular Traffic					
 Only drivers with a valid license and car registration documents will be allowed to drive the vehicles. The drivers will be trained to strictly adhere to local traffic laws. At all times, the contractor will provide safe 	E&S Team Contractor / contractor /	of Sub-	Visual inspection	During and Post execution of sub-project	Focal Person of LC, ESS and Supervision Consultant

 and convenient passage for vehicles, pedestrians and livestock, and will not cause any hurdle on the road for commuters. Appropriate safety precautions will be taken when transporting large equipment on public roadways. proper road signage during construction period, followed by provision of adequate and safe pedestrian crossings and walkways 					
Flora and fauna					
 Avoid unnecessary cutting of plant species during site clearance if needed; Limiting vehicular transport to defined roads as to prevent unnecessary injury and habitat destruction; Hunting and trading of any wildlife species will be strictly prohibited; 	E&S Team Contractor / contractor /	of Sub-	Visual inspection	During and Post execution of sub-project	Focal Person of LC, ESS and Supervision Consultant
 Procuring wild species for aquarium will be prohibited and captive-bred fish should be procured through licensed providers or other aquariums/zoos. Monitoring/review of species supply by third party monitoring firm and Sindh Forest and Wildlife Department will be regularly carried out. Dedicated professional should be placed in KMC to ensure proper species procurement and monitoring. The training sessions should be provided by PMU and design and supervision consultants to KMC on this regard during construction phase. 	KMC		Document review and visual inspection	During and Post execution of sub-project	KMC Environmental Focal Pointe and third party monitoring firm
Occupational Health and Safety					
The labor with any transmittable diseases	E&S Team	of	Visual inspection	During and Post	Focal Person of LC, ESS

will not be allowed on the construction site.	Contractor /	Sub-	execution	of	and	Supervision
 The Contractor will ensure and strictly 	contractor/		sub-project		Consultant	
implement the SOPs regarding COVID-19						
(refer to Annex H), including daily body						
temperature check, daily disinfection,						
quarantine management, area access						
management, PPEs, emergency response,						
and drills;						
 Workers should be provided with good 						
hygienic food for free;						
Only skilled workers will be allowed to work						
at the construction site;						
Provision of first aid facilities for workers at						
site for meeting the emergency needs of						
workers, and providing basic medical						
training to specified work staff and basic						
medical service and supplies to workers;						
Observe and maintain standards of Health and Safety towards all employees in line						
and Safety towards all employees in line						
with WB EHS Guidelines along with Sindh Occupational Health and Safety Law						
Ensure that hazards associated with						
manual lifting are controlled by proper						
lifting techniques, work rotation system will						
reduce the chances of being exposed to						
work- related stress associated with						
construction activities.						
Unauthorized personnel will not be allowed						
to access the proposed project site without						
permission and safety permits.						
Workers should be facilitated by providing						
appropriate work specific PPE's;						
 Training and use of personal fall arrest 						
systems, such as full-body harnesses and						
energy-absorbing lanyards as well as fall						
rescue procedures to deal with workers						

whose fall has been successfully arrested;					
Labor Living and Working Conditions					
 The worker's Grievance redressal mechanism must be developed and communicated among workers to lodge complains; Workers should be provided with clean drinking water for free; Avoiding Gender Based Violence. Contractor will prepare and implement robust measures to address the risk of gender-based violence that include (i) mandatory and repeated training and awareness raising for the workforce about refraining from unacceptable conduct toward local community members, specifically women; (ii) informing workers about national laws that make sexual harassment and gender-based violence a punishable offence which is prosecuted; (iii) Introducing a Worker Code of Conduct as part of the employment contract, and including sanctions for noncompliance (e.g., termination), and (iv) contractors adopting a policy to cooperate with law enforcement agencies in investigating complaints about gender based violence. Use of child and forced labour will be strictly prohibited. Community Health and Safety 	E&S Team Contractor / contractor /	of Sub-	Visual inspection	During and Post execution of sub-project	Focal Person of LC, SSS and Supervision Consultant
Maintain a complaint register on site and it					
 must be communicated to the internal staff and the public Close consultation with local communities to identify optimal solutions where needed Contractor shall give preference to local 	E&S Team Contractor / contractor /	of Sub-	Visual inspection	During and Post execution of sub-project	Focal Person of LC, SSS and Supervision Consultant

community members in the Project Area of Influence, to the extent feasible, with respect to the employment of unskilled labor • Community grievances will be recorded and responded to on an urgent; • No Hazardous and non-hazardous waste will be dumped outside any community. Socio-Culture and Cultural Heritage • Contractor will not cause any damage or harm to cultural heritage around the project area. In case of any finding Chance find Procedure will be followed					
 (refer to Annex I) Pollution such as noise and dust generation will be avoided while working in close to religious and ancient site. Contractors would be trained to address privacy issues and behave ethically. The contractors staff must be trained enough to respect the local norms. 	E&S Team Contractor / contractor /	of Sub-	Site Visit Public Consultation	During execution of sub-project	Focal Person of LC, SSS and Supervision Consultant
Site Restoration					
 Contractor should obtain approval for excavation and submit the plan of rehabilitating the site after excavation. Site restoration must be completed immediately after completion the subproject. 	E&S Team Contractor / contractor /	of Sub-	Visual inspection	execution of sub-project	Focal Person of LC, ESS, SSS and Supervision Consultant

Recommendations for Aquarium Operation and Maintenance: Operation and maintenance will not be supported under CLICK. However, the following measures should be followed by KMC for the aquarium operation.

- Cleaning the fish tanks, changing the water, aeration, removal of algae and bacteria, and glass cleaning.
- Removal of dead fishes
- Clean aquarium top to assure lighting is not affected. E&S Team of Contractor / Sub-contractor /

Visual inspection During and Post execution of sub- projectFocal Person of LC, ESS, SSS and Supervision ConsultantWater quality and fish nutrients • Water testing for vital parameters: pH, carbonate hardness, nitrite, and nitrate. • Monitoring of availability of fish nutrients and provision of food and aeration supply if required	E&S Team Contractor / Su contractor /	of Visual inspection	During and Post execution of sub-project	Focal Person of LC, ESS, SSS and Supervision Consultant
 There should be proper attendance mechanism of staff availability in aquarium Ensured hiring of trained staff Maintenance should include regular water changes, servicing the filter & testing the aquarium water as Harmful substance like ammonia and nitrates are regularly produced mainly through fish metabolism as excretory Regular water change (20-30% every two or four weeks) Cleaning of algal scum from the glass at periodical interval. Removal of dead fishes, if noticed inside the aquarium. Racking the surface layer of the substrate and removal of dirt etc. by vacuum device every week product. They keep on accumulating in the aquaria water. Record of Species with their basic detail like their habitat, diseases and feed should be maintained 	E&S Team	Documentation	During	Focal Person of LC,
	Contractor / Su	and Visual	operational	ESS, SSS and
	contractor /	Inspection	Phase	Supervision Consultant

 Water supply and utilities requirement should be maintained Project site aesthetic should be maintained to attract visitors. Grievance mechanism for visitors 		

5.6. ESMP/ESR Budget

The cost for the implementation of construction stage activities given in this ESMP will be included within the civil works contract for this sub-project with total cost of approx. **Rs. 435,105 PKR.**

Table 5.2: EMP/ESR Implementation Cost

Name of item	Quantity	Unit Rate	Total Amount PKR	
Masks Box	5	375	1,875	
Safety Shoes	20	1875	37,500	
Safety Gloves	10	125	1,250	
First Aid Box	5	750	3,750	
Ear Plugs	20	88	1,750	
Safety Helmets	20	563	11,250	
Safety Jackets with reflectors	20	375	7,500	
Sanitizer	10	313	3,125	
Thermo-gun	2	3750	7,500	
Provision of Dust Bins	5	1250	6,250	
Reflective Tape	10	250	2,500	
Safety cones	10	938	9,375	
Safety boards	5	1250	6,250	
	;	SUB TOTAL (1)	99,905	
Environmental Analysis (By eng	aging Sindh E	PA Certified Lo	aboratory)	
Ambient Air Quality Analysis (SO_X , NO_X , CO , $PM_{2.5}$, PM_{10} O_3 ,)	2	60,000	120,000	
Noise Level Monitoring	2	1,600	3,200	
	•	SUB TOTAL (2)	123,200	
(OTHERS			
Water sprinkling	10	10,000	100,000	
Internal Training for sub-project construction staff comprises: - Project overview - ESMP/ESR implementation, communication, documentation and monitoring, and reporting requirement - GBV/SH - Code of Conduct - Grievances Redress Mechanism	1	100,000	100,000	
Project dissemination materials such as banners, flayers,	-	12,000	12,000	
		SUB TOTAL (2)	212,000	
APPRO	OX. GRAND T	OTAL (1+2+3)	435,105	

Note: Supervision of the ESMP implementation is included in the scope of the work of the consultants.

Chapter 6: Recommendations

6.1. Conclusion

Overall, the sub-project will have positive socioeconomic impacts. The proposed sub-project will achieve its objective of providing a healthier and livable, secure and safe residential environment to the local residents in an urban settlement. The proposed sub-project will also enhance the lifestyle related to the local's fun and recreational space for children's of the area and it will also comply with all legislative requirements and standards listed under the ESMF, Contractual Documents and in this ESR report.

6.2 Recommendations

Recommendations made for the sub-project development on the basis of ESR are given below:

- The selected Contractor must implement the proposed mitigation measures mentioned in this ESR, EMF and SMF of CLICK.
- The selected Contractor must also ensure that all the safety and security procedures are in place and implemented in true spirit which includes use of safety nets/sheets, erection of safety warning signs, provision of the necessary PPE's for the workers are in place and implemented in true spirit.
- Ensure that the building materials are sourced from genuine and certified suppliers.
- Contractor should take due care of the local community and its sensitivity towards local customs and traditions of indigenous culture.
- Ensure that codes of conduct are understood by employees and signed. It should be posted on sites visible to employees.
- Please ensure that wild species will not be procured for aquarium and captive-bred species should be procured through licensed aquarium species providers or other aquariums/zoos. This needs to be implemented by KMC and monitored/supervised regularly by third party monitoring firm and Sindh Forest and Wildlife Department. The training sessions should be provided by PMU and design and supervision consultants to KMC on this regard during construction phase. The dedicated professional should be placed to implement these measures.

Annex A: Stakeholder Consultation Meeting at Fish Aquarium



KMC/LC Environmental Focal Person Briefing about the Project



KMC/LC Social Focal Person Briefing about the Project



PIU Environmental Safeguard Specialist Briefing about the Environmental Policies of World Bank



PIU Social Safeguard Specialist Briefing about the Social Policies of World Bank



A View of Consulttaion Workshop at Sub-project Area



A view of workshop details in local language.

Public Consultation Meeting at Fish Aquarium Existing Building

Annex B: Photographs of the Sub - Project



Rear View of Fish Aquarium Building



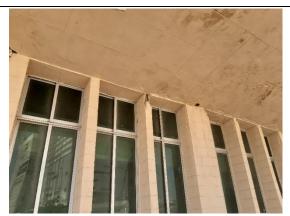
Top View from Right Side



Front Entrance of Building



Roof Top of Building



Internal Wall and Windows



Showing Column Jacketing on Bottom Port



Low Heighted Ceiling Cracks from Top



Spalling of concrete at bottom and seepage can be se

Annex C: List of Participants



COMPETITIVE & LIVABLE CITY OF KARACHI LOCAL GOVERNMENT DEPARTMENT GOVERNMENT OF SINDH



Date: 22/2/2021

CONSULTATIVE WORKSHOP AT CLIFTON AQUARIUM

S#	Name	Designation	Department	Contact No.	Email	Signature
t l	Azisha	Freelancer			a. Channa 91@gmail	
2	agligal	Ahthropologist			aaliyahtayybiogmi	
3	Radia	M& E Specialist	CLICK	0345.8986		
4	Said Ali	blogges		0331217382	Said-afilogensiliera Toscennemaciclador Turlotkagunilio	1
5	Taseen	Assignat	CHCK LGO	0300376741	3 Toscennema Dichard	dr
6	Dr Nuzbat Khair	DG-COR	1	0333-25471	87 courlast agencila	^
				-		

1st Floor, DMC South Office, KRC Captain Road, Haqqani Chowk, Aram Bagh Karachi.

Annex D: Environmental Screening Checklist

Sub-project Title	Rehabilitation of Bin Qasim Park Fish Aquarium, Clifton
Project Title	Competitive and Livable City of Karachi (CLICK), LGD, Sindh
Country	PAKISTAN

CORFERING QUESTIONS	Vaa	Ma	Impo	Impact Severity R		nking	DEMARKS							
SCREENING QUESTIONS	Yes	No	NR	1	2	3	REMARKS							
A. Project Siting	A. Project Siting Is the project area													
1. Densely populated? 1. Densely populated?	✓						The project area is surrounded by the thickly populated residential units and located inside the Bin Qasim park. The impact of this project will be of high value in respect of visitors including families of the surrounding areas also. The impact is positive, therefore, no mitigation is required.							
2 Heavy with development activities?			٧				No development activity is going on in the surrounding area							
3 Adjacent to or within any environmentally sensitive areas?		✓	√				No sensitive area is around.							
4 Cultural heritage site		✓	✓				The Fish Aquarium is located in Bin Qasim Park which is not yet included in any cultural and heritage site.							
5 Protected area		✓	✓				The area is well in use of residents and is not protected.							
6 Wetlands		✓	√				No wetland or damage to flora and fauna.							
7 Mangrove		✓	✓				No mangroves or other species are available likely to be disturbed in view of this activity.							
8 Estuarine		✓	✓				No estuarine is available							
9 Buffer zone of protected area		✓	✓				No buffer zone viz. a viz. river, lake, open space, trees, and shrubs in its surrounded.							
10 Special area for protecting biodiversity		✓	✓				The area is in use of regular inhabitants and no special area for protection of biodiversity exists.							
11 Forest		✓	✓				No forested area or a forestation is around							

	CORFERING QUESTIONS	Vaa	Ma	Impo	Impact Severity Ro		nking	DEMARKS					
	SCREENING QUESTIONS	Yes	No	NR	1	2	3	REMARKS					
	12 Bay		✓	✓				No bay is around or inside the park					
	B. Potential Environmental Impacts (Construction Phase)												
1	Will construction camp site cause land clearing and tree cutting?		✓	√				The work site will have no construction camp, since the space available for rehabilitation of fish aquarium is clear, requires no cutting of trees.					
2	Will construction camp site interfere with the community?		✓	✓				No interference to community as the existing facility is enclosed and free from any interference.					
3	Will construction camp site cause soil pollution?		✓	✓				No soil pollution since there will be no construction camp.					
4	Will construction camp generate domestic solid waste?	√			✓			To the extent of the cleaning of area from existing soil to be replaced with minor engineering, glass and carpenter work					
5	Will construction camp generate hazardous solid waste?		>	✓				No construction camp is required for this activity, therefore, no hazardous waste will be generated.					
6	Will construction camp generate sanitary wastewater?		>	✓				Since the work is of minor nature, no construction camp will be established. The labor engaged shall use the facility inside the park. There will be no construction camp, therefore, no sanitary waste water will be generated.					
7	Will fire be a potential safety hazard at construction camp?		✓	✓				There will be no camp, therefore, no fire hazard. However, fire extinguisher will be on site to deal with any emergency. No construction camp will be established, therefore, the no fire risk is anticipated.					
8	Will construction camp activities cause air pollution?		✓	✓				No air pollution is expected as there will be no construction camp.					
9	Will construction camp activities cause noise?		√	✓				No noise to disturb the neighborhood, since the work will be of block masonry and plaster and glass work.					
10	Will construction activities require tree cutting?		✓	✓				No camp is being established therefore, no tree cutting is involved.					

CORFERING OUFSTIONS	Vaa	Ma	Impo	Impact Severity Ranking		nking	DEMARKS
SCREENING QUESTIONS	Yes	No	NR	1	2	3	REMARKS
11 Will construction activities resulting damaging existing local roads, bridges or other infrastructure?		✓	✓				The work will be undertaken inside the park and will not affect the road, bridges and other infrastructure, therefore no damage will be done to the existing local's roads, bridges or other infrastructure.
12 Will construction activities involve use of explosives and chemicals?		✓	✓				No explosives will be used during the rehabilitation activities.
13 Will construction activities disturb natural habitats?		✓	✓				The construction activity will not disturb the natural habitats.
14 Will construction activities resulting impairment of historical/cultural monuments/areas and loss/damage to these sites?		~	√				The construction camp is not being established. No historical, cultural monuments loss or damage is there.
15 Will construction activities generate noise?		✓	✓				The noise level will not affect the residents being the work of minor nature
16 Will construction activities generate dust?	✓			√			Dust is expected to be generated during civil works posing moderate risk to the workers as well as visitors. Mitigations During the work the green mesh curtain will be provided to keep the dust inside, the worker engaged shall use protective equipment/gears for the safety. Regular water sprinkling will be the responsibility of the contractor at the dust generation points, during construction activities. Water will be also sprinkled at vehicular and machinery movement routes to avoid dust spreading to the nearby community as required. In addition, the provision of dust masks and ensuring their use by the workers will also be the responsibility of the contractor. All vehicles, machinery, equipment and generators used during construction activities should be kept in good working condition and be properly tuned and maintained to minimize exhaust emissions. Stockpiled materials will be covered to avoid dust/particulate emission. Air quality analysis will be carried out before and during construction through engaging SEPA will that will be shared with PIU Team.

SCREENING QUESTIONS	Yes	No	Impact Severity Ranking				DEMARKS
			NR	1	2	3	REMARKS
17 Will construction activities cause air pollution due to stack emissions from generators, construction machines and vehicles?		✓	√				No such activity on mass scale will take place. Neither, heavy machinery nor generators will be used for the work. The existing electricity of the park will be used. Mitigations The stack emissions from generators, (if used), minor excavations and vehicular/machinery movement at the site can affect the ambient air quality at sub-project site. It will be the responsibility of the contractor to use well-maintained generators and vehicles/machines to keep ambient air quality within the desired level. The contractor will be obliged to provide fitness certificate/maintenance records of the generators, vehicles and
							machines before deploying them at the construction sites.
18 Will construction activities generate asphalt emissions?		✓	✓				No asphalt work is in this project, therefore, no asphalt emission.
19 Will construction activities cause traffic congestion/diversion?		✓	✓				The development will take place inside the existing boundary wall therefore, no traffic congestion will take place.
20 Will construction activities cause mobility and accessibility issue for the residents?		✓	✓				No such issue of mobility/accessibility involved during the construction phase. Yes, as the sub-project will involve little civil works, which will generate the construction debris. Mitigation The debris produced during construction would be disposed Off in government approved/allocated disposal sites. Leftover material would not be dumped into storm water drains or watercourses, because such practices can clog these manmade and natural drainage systems and cause many other problems for the residents/Local commuters.
21 Will construction activities/machines be the safety hazards for the workers?		✓	√				The safety hazard is not like other high-rise constructions. The work is laying of block masonry and plaster, however, safety boots / helmets will be used during construction work for safety of the engaged labor.
22 Will construction activities be the safety hazards for community?		✓	✓				No safety hazard issue for the community. The area of fish aquarium will be closed during rehabilitation work, to allow visitors to park

	.,		Impo	act Sev	erity Rai	nking	DELLADIC
SCREENING QUESTIONS	Yes	No	NR	1	2	3	REMARKS
							without any hindrance.
23 Will construction activities cause soil pollution?		✓	✓				No, the project construction/rehabilitation will not cause any soil pollution.
							Yes, as the sub-project will involve little civil works, which will generate the construction debris.
24 M/H							Mitigation
24 Will construction activities generate construction debris?		*	~				The debris (rejected material) produced during construction would be disposed-off in government approved/allocated disposal sites. Leftover material would not be dumped into storm water drains or watercourses, because such practices can clog these man-made and natural drainage systems and cause many other problems for the residents/Local Commuters.
25 Will construction activities generate hazardous solid waste?		✓	>				No, there will be no construction activities to generate hazardous solid waste at scheme site.
26 Will construction take place near to water bodies?		✓	✓				No, as the project is only rehabilitation of existing fish aquarium building and the activities will be carried out according to the civil works and related activities associated with it.
27 Will construction activities cause contamination of the surface water resources?		✓	✓				No, as the project is only rehabilitation of existing fish aquarium building.
28 Will construction activities take place near wastewater/storm water drains?		<	✓				No, as the project is only rehabilitation of existing fish aquarium building.
29 Will construction activities result in damaging the utilities at site?		✓	✓				The sub-project development will not cause any damage to the utilities of the site or utilities of the area.
30 Will construction activities require utilities relocation?		✓	✓				No utilities relocation is required.
31 Will construction activities involve excavation?		✓	✓				No major excavation at site will be carried out as this project is for the rehabilitation of existing fish aquarium building.
32 Will construction involve heavy machinery?		✓	√				The construction doesn't involve heavy machinery.
33 Will construction activities		✓	✓				A small number of vehicles 3-4 are required for construction activities which includes a truck for material supply, a bucket truck

	SCREENING OUESTIONS		Ma	Impact Severity Ranking			nking	DEMARKS
	SCREENING QUESTIONS	Yes	No	NR	1	2	3	REMARKS
	increase road traffic at site?							and a wagon for labor are anticipated, which may cause minimal traffic congestion. Only drivers with a valid license and car registration documents will be allowed to drive the vehicles and the drivers will be trained to strictly adhere to local traffic laws.
34	Will construction activities cause traffic congestion/diversion?		✓	√				No Traffic Congestion will be caused out during this project execution.
35	Will construction activities cause mobility and accessibility issue for the residents?		✓	✓				No such issue of mobility/accessibility will be caused during the sub-project development.
36	Will construction activities/machines be the safety hazards for the workers?		~	✓				The development of the proposed subproject doesn't involve any heavy machine and activities which can pose safety risks for workers. However, required safety gears will be used during the project activity and safety standards will be followed.
	Will construction activities be the safety hazards for the occupational?		✓	✓				No, occupational health and safety issues are anticipated during this project implementation on site.
38	38 Will construction activities will cause any damage to flora and Fauna of the area?		✓	√				 No, The proposed activities will not cause any harm to biodiversity of the area, but still strict mitigation measures are proposed to follow: Avoid unnecessary cutting of plant species during site clearance if needed; Limiting vehicular transport to defined roads as to prevent unnecessary injury and habitat destruction; Hunting and trading of any wildlife species will be strictly prohibited;
C. (Op	Potential Environmental Impacts erational Phase)						1	
1	Leakages in the drains		✓	✓				No leakages of the drain will be there during construction work.
2	Damaging of drains		✓	✓				No damage to the drains will be caused.
3	Clogging and overflowing of wastewater from the drains		✓	✓				No clogging and overflowing is anticipated since the area is clear.

	SCREENING QUESTIONS		Na	Impo	act Seve	erity Rai	nking	DEAA A DVC
	SCREENING QUESTIONS	Yes	No	NR	1	2	3	REMARKS
4	Chances of contamination water supply	√						Tank water will be disposed in existing sewerage system. There will be no major contamination in water, as it is little in quantity and contain fish residuals which is bio degradable, it could be easily diluted in existing sewerage.
5	Flooding at roads		✓	✓				No flooding since there is no water line, no water reservoir or water supply exists.
6	Type of lightings in the infrastructure		✓	√				As per the internal Fish Aquarium building requirement.
7	Inadequate protection of intake works or wells, leading to pollution of water supply?		✓	✓				No such supply of water lines exists, either through wells or any other source.
8	-			~				Currently, KMC doesn't practice capturing and the species under consideration is freshwater fish. The species from wildlife If wild species are collected/procured, that would entail potential impacts on the species and surrounding ecosystems. Procuring/collecting endangered/rare species should be avoided.
D.	Potential Social Impacts					•	•	
1	Will the construction cause any labor issues such as labor living and working conditions?		~	✓				Labor condition or rights related issues are anticipated at minor scale such as working hours, leaves, benefits, wages, and other related facilities like provision of foods, clean water, transportation etc. However, No labor living conditions issues are anticipated as involves small scale activities. Mitigations The worker's Grievance redressal mechanism must be developed communicated among workers to lodge complains; Workers should be provided with clean drinking water for free
2	. Will construction activities cause community Health and Safety issues? Or any other		✓	√				Will be applicable to the project activities. Mitigations GRM Mechanism must be communicated to the internal staff and the public Close consultation with local communities to identify optimal solutions where needed Contractor shall give preference to local community

SCREENING QUESTIONS	Yes	No	Impact Severity Ranking			nking	REMARKS
SCREENING QUESTIONS	162	NO	NR	1	2	3	REMARKS
3. Will the construction activities cause the socio-cultural issues and damage to any cultural heritage?							members in the Project Area of Influence, to the extent feasible, with respect to the employment of unskilled labor - Community grievances will be recorded and responded to on an urgent - No Hazardous and non-hazardous waste will be dumped outside any community No, the construction activities will not cause such impacts. Mitigations:
		✓	✓				 Contractor will not cause any damage or harm to cultural heritage around the project area. Pollution such as noise and dust generation will be avoided while working in close to religious and ancient site. Contractors would be trained to address privacy issues behave ethically. The contractors staff must be trained enough to Respecting and local norms.

NR Not Relevant

- 1 No or Minor Impact
- 2 Moderate, Short Term, Reversible Impact
- **3** Severe, Long Term, Irreversible Impact

Category	Α	В	С		
Environmental Management Required	NO	N/A	✓		
Type of Environmental Management Tool to be Used	Environmental and Social Monitoring Checklist.				
Prior review and "no-objection" of World Bank required.		Yes			

Annex E: Screening Questions for Involuntary Resettlement/Indigenous People

Involuntary Resettlement Impact screening questionnaire.

Probable IR Impacts Involuntary Acquisition of Land and Resettlement Impacts	Yes	No	Not Known	Remarks
Will there be land acquisition?	_	√		No, The land is owned by the municipality.
Is the site for land acquisition and ownership status and current usage of land to be acquired known?		-	-	The KMC is the sole owner of the land
3. Will easement be utilized within an existing Right of Way (ROW)?	-	√	-	There is no right of way of any agency surrounding the project site/scheme.
4. Will there be loss of shelter and residential land due to land acquisition or due to clearance of existing right of way?	-	√	-	Since there is no land acquisition and no shelter or residential land is lost.
5. Will there be loss of agricultural and other productive assets due to land acquisition or due to clearance of existing right of way?	-	✓	-	No agriculture or other productive assets exist, There is not agriculture or other productive assets exists, since the land is owned by the municipality.
6. Will there be losses of crops, trees, and fixed assets due to land acquisition or due to clearance of existing right of way?	ı	√	-	No loss of trees, crops and fixed assets on site as no land acquisition is involved.
7. Will there be loss of businesses or enterprises due to land acquisition or due to clearance of existing right of way?	-	✓	-	There is no informal business activity along the sub project area or other source of income and the road is owned by the municipality. The Road along the sub project is dedicated for the mix use vehicles.
8. Will there be loss of income sources and means of livelihoods due to land acquisition or due to clearance of existing right of way?	ı	√	-	This area is not in use of livelihood or other source of income as the land is free, clear and is owned by the municipality.

. Will people lose access to natural resources, communal facilities and services due to in voluntary restriction of Landuse or on access to legally designate parks/protected areas?		✓	-	There is no infrastructure on the project piece of land, the access to the built-up area shall remain open to the general public/visitors.			
10. Will access to land and resources owned communally or by the state be restricted?	-	✓		is fish aquarium is owned by the municipality and e access will not be restricted.			
Information on PAPs: Any estimate of the likely number of persons that will be affected to the likely number of persons the likely number of persons that will be affected to the likely number of persons that will be affected to the likely number of persons the	Any estimate of the likely number of persons that will be affected by the Project? [NO]						
Are any of them poor, female-heads of households, or vulnerable to poverty risks? [NO]							

Note: The project team may attach additional information on the project, as necessary.

Annex F: Environmental and Social Management and Monitoring Checklist

Sr.#		Mitigation Measures I	Reason for non- compliance (If status is "	Corrective		
	Environmenta I Aspect	Details	Status Means of Monitoring (Yes/No) (Documents/Pictoria I Proof)		No")	Measures
1.	Site Selection	 Sustainable source of energy is ensured, with uninterrupted supply. The structural integrity of the building and aquarium has been vetted by a certified structural engineer and specialist 				
2.	Noise	 The contractors would ensure keeping noise levels from construction vehicles and machinery is within safe limits. Vehicular and machinery will not be allowed to operate at night time. Noisy machines and vehicles will not be allowed to be used at the subproject site (noise level will not be more than 85 dB(A) at 7.5 m distance), properly tuned machines and vehicles will be allowed only. Workers will use noise protection equipment including ear plugs and/or ear muffs Pressure horns will not be allowed to be used by the for the construction vehicles. The contractor will adhere to the requirements of the EMF, SMF, and mitigation plan contained in the contract documents with true spirit. Confining excessively noisy work to 				

	T		T	
		normal working hours (8am-5pm) in		
		the day. Maintain all vehicles in order		
		to keep it in good working order in		
		accordance with manufactures		
		maintenance procedures - Make sure		
		all drivers will comply with the traffic		
		codes concerning maximum speed		
		limit and driving hours. Providing		
		construction workers with suitable		
		hearing protection such as earmuffs		
		and training them in their use. Heavy		
		machinery like percussion hammers		
		and pneumatic drills should be used at		
		a minimum level and should not be		
		used at all during the night.		
		- Regular water sprinkling will be the		
		responsibility of the contractor at the		
		dust generation points, during		
		construction activities. Water will be		
		also sprinkled at vehicular and		
		machinery movement routes to avoid		
		dust spreading to the nearby		
		community as required. In addition,		
		the provision of dust masks and		
		ensuring their use by the workers will		
3.	Air Emissions	also be the responsibility of the		
0.	All Ellissions	contractor.		
		- All vehicles, machinery, equipment		
		and generators used during		
		construction activities should be kept		
		·		
		in good working condition and be		
		properly tuned and maintained to		
		minimize exhaust emissions. Stockpiled		
		materials will be covered to avoid		
		dust/particulate emission. Air quality		
		analysis will be carried out before and		

	I	T				
		during construction by the contractor				
		through engaging SEPA certified				
		contractor, that will be shared with				
		PIU Team The stack emissions from				
		generators, (if used), minor				
		excavations and vehicular/machinery				
		movement at the site can affect the				
		ambient air quality at sub-project site.				
		It will be the responsibility of the				
		contractor to use well-maintained				
		generators and vehicles/machines to				
		keep ambient air quality within the				
		desired level. The contractor will be				
		obliged to provide fitness				
		certificate/maintenance records of				
		the generators, vehicles and				
		machines before deploying them at				
		the construction sites.				
		- The debris (rejected material)				
		produced during construction would				
		be disposed-off in government				
		approved/allocated disposal sites.				
		Leftover material would not be				
		dumped into storm water drains or				
		watercourses, because such practices				
		can clog these man-made and				
		natural drainage systems and cause				
4.	Solid Waste	many other problems for the	-	-	-	-
		residents/Local Commuters.				
		- Non-toxic and biodegradable				
		product will be used whenever				
		possible.				
		- Hazardous materials will be				
		transported and stored in appropriate				
		containers with clearly visible labels.				
		1				
		Hazardous materials will be stored at				

		Locat 100 foot from groundours gradient
		least 100 feet from any down gradient
		drainage or within secondary
		containment capable of containing its
		entire volume (if generate any such as
		electric batteries).
		- Equipment and work areas will be
		regularly inspected for signs of leaks
		and spills. Spill containment and
		cleanup kits will be available wherever
		hazardous materials are being used or
		stored. Any incidental spills or leaks will
		be contained and cleaned up as soon
		as it is safe to do so. Any contaminated
		soil will be collected and disposed of in
		an appropriate landfill.
		- Equipment refueling and
		maintenance will be limited to
		designated areas at least 30 meters
		(100 feet) from any down gradient
		drainage.
		- Solid Waste will be safely disposed in
		demarcated waste disposal sites or
		dedicated garbage transfer stations
		(GTS); Contract with SEPA Approved
		waste contractor should be made in
		case hazardous waste generates from
		the site, defining the schedule for
		hazardous waste management and its
		disposal.
		- Burning of waste oil should be strictly
		prohibited.
		- Proper disposal of solid waste in
		designated site to sustain the water
5.	Water	and land quality for domestic
	Pollution	requirements. Solid waste will not be
		thrown in Nullah or any water body
	L	morni in Honari or any water body

		and a set in the angular				
		present in the area.				
6.	Vehicular Traffic	 Only drivers with a valid license and car registration documents will be allowed to drive the vehicles. The drivers will be trained to strictly adhere to local traffic laws. At all times, the contractor will provide safe and convenient passage for vehicles, pedestrians and livestock, and will not cause any hurdle on the road for commuters. Appropriate safety precautions will be taken when transporting large equipment on public roadways. proper road signage during construction period, followed by provision of adequate and safe 		-	-	-
7.	Flora and Fauna	 pedestrian crossings and walkways, Avoid unnecessary cutting of plant species during site clearance if needed; Limiting vehicular transport to defined roads as to prevent unnecessary injury and habitat destruction; Hunting and trading of any wildlife species will be strictly prohibited; Procuring wild species for aquarium will be prohibited and captive-bred fish should be procured through licensed provides or other zoos/aquariums. In addition, monitoring/review of species supply will be regularly carried out. The training sessions should be provided by PMU and design and supervision consultants to KMC on this regard 	-	-	-	-

	during construction phase. The
	dedicated professional should be
	placed to implement these measures.
	- The labor works with different
	transmittable diseases should be
	restricted within the construction site;
	- Ensure and strictly implement the SOPs
	regarding COVID- 19, including daily
	body temperature check, daily
	disinfection, quarantine
	management, area access
	management, PPEs, emergency
	response, and drills;
	- Workers should be provided with good
	hygienic food for free;
	- Only skilled workers will be allowed to
	work at the construction site;
	- Provision of first aid facilities for workers
Occupational	at site for meeting the emergency
-	needs of workers, and providing basic
	medical training to specified work staff
Gu.G. ,	and basic medical service and
	supplies to workers;
	- Observe and maintain standards of
	Health and Safety towards all
	employees in line with WB EHS
	Guidelines along with Sindh
	Occupational Health and Safety Law
	- Ensure that hazards associated with
	manual lifting are controlled by proper
	lifting techniques, work rotation system
	will reduce the chances of being
	exposed to work- related stress
	associated with construction activities.
	- Unauthorized personnel will not be
	allowed to access the proposed
	Occupational Health and Safety

		project site without permission and safety permits. - Workers should be facilitated by providing appropriate work specific PPE's; - Training and use of personal fall arrest systems, such as full-body harnesses and energy-absorbing lanyards as well as fall rescue procedures to deal with workers whose fall has been
		successfully arrested;
9. and	or Living I Working nditions	- The worker's Grievance redressal mechanism must be developed and communicated among workers to lodge complains; - Workers should be provided with clean drinking water for free; - Avoiding Gender Based Violence. Contractor will prepare and implement robust measures to address the risk of gender-based violence that include (i) mandatory and repeated training and awareness raising for the workforce about refraining from unacceptable conduct toward local community members, specifically women; (ii) informing workers about national laws that make sexual harassment and gender-based violence a punishable offence which is prosecuted; (iii) Introducing a Worker Code of Conduct as part of the employment contract, and including sanctions for noncompliance (e.g., termination), and (iv) contractors adopting a policy to cooperate with

		law enforcement agencies in				
		investigating complaints about gender based violence.				
		- Use of child and forced labor will be				
		strictly prohibited.				
10.	Community Health and Safety	 Maintain a complaint register on site and it must be communicated to the internal staff and the public Close consultation with local communities to identify optimal solutions where needed Contractor shall give preference to local community members in the Project Area of Influence, to the extent feasible, with respect to the employment of unskilled labor Community grievances will be recorded and responded to on an urgent No Hazardous and non-hazardous waste will be dumped outside any community. 	-	-	-	
11.	Socio-Culture and Cultural Heritage	 Contractor will not cause any damage or harm to cultural heritage around the project area. Pollution such as noise and dust generation will be avoided while working in close to religious and ancient site. Contractors would be trained to address privacy issues behave ethically. The contractors' staff must be trained enough to respect local norms. 	-	-	-	-
12.	Site Restoration	- Contractor should obtain approval for excavation and submit the plan of rehabilitating the site after excavation.	-	-	-	-

	- Site restoration must be completed immediately after completion the sub-		
	project.		

Contractor Details	LC Focal Person Details
Name:	Name:
Designation:	Designation:
Signature:	Signature:
Date:	Date:
Checklist filled by:	Checklist reviewed by:
Name:	Name:
Designation:	Designation:
Signature:	Signature:
Date:	Date:

Annex G: Environmental & Social Screening Details

Date on which Screening carried out	22 nd February, 2021.	
Focal Person of LC	Mr. Masood Alam 0333-3421371	
Environmental Focal Person	Mr. Mohammad Tariq 0322-2349036	
Social Focal Person of LC	Mr. Syed Kazim 0333-3123078	

Annex H:covid-19 standards operating procedures (sops) for construction In English and Urdu language for contractor

COVID-19 Pandemic and Health Safety Measures

Given the unprecedented nature of the COVID-19 pandemic, contractors are bound to take all necessary precautions to maintain the health and safety related measures at site and to ensure suitable arrangements regarding hygiene requirements for the prevention of COVID-19 pandemic.

Scope:

These SOPs are intended to provide consistent measures on construction activities of all types and sizes in line with the ESMP/ESR recommendations on social distancing and to ensure contractors, sub-contractors, and other individuals associated with the CLICK Project make every effort to comply.

Objectives:

Prioritize the health and safety of workers and of their surrounding individuals and communities;

- Apply recommendations and best practices from health authorities to construction site procedures;
- Implement COVID-19 Standard operating procedures in in true spirit across the construction activities or sites; and
- Foster open communication amongst stakeholders and ensure a respectful work environment.

Following are the measures that should be implemented at the construction site to avoid the spread of Covid-19:

Activities	Adaptive Measures	
	Pre- Execution Phase	
A. Profile preparation	 Detail profile of the workforce will be developed Enlist the names, addresses and contact number Breakdown of the workforce (workers from local community and those who will do house renting). Workers will be instructed to minimize contact with people near the site, and in certain cases be prohibited from leaving the site for the duration of their contract. 	
B. Initial Screening	 All enlisted workforce should go through initial screening (checking temperature using thermo gun) to confirm their fitness. Ensuring the availability of Thermogun/s at site. Checking temperature of all workers and maintaining record. If a worker shows symptoms of COVID-19 (e.g. fever, dry cough, fatigue), it is Site Supervisor's responsibility to immediately remove worker from the site and refer him to the nearest health facility. It's also his responsibility to prevent a worker who has been in contact with infected coworker from returning to the site for 14 days. 	
	During Execution Phase	

A. Restricted Movement/ Demobilization of staff B. Special Arrangements regarding PPEs	 Entry/exit to the work site should be controlled and documented for workers and other people. Possible measures should include: Ensure that the social distancing is observed on site All workers who reside in site labor camps (if any) should be provided separate accommodation keeping in view social distancing protocol. Implementation of emergency preparedness and response plan covering the detail of a treatment facilities, procedure to inform health authorities, how to sanitize site, how to screen remaining workers, etc. Ensure availability of PPEs at site including disposable masks, gloves etc. Record keeping of PPE stock availability. If PPE items are unavailable due to world-wide shortages, alternatives such as
	dust masks, construction gloves and eye goggles should be arranged. While these items are not recommended, they should be used as a last resort if no medical PPE is available.
C. General Hygiene	Encourage employees to wash their hands at least for 20 seconds with soap provided at key places throughout site. Where hand washing facilities do not exist or are not adequate, hand sanitizers should be placed. Maintain a distance of at least one mater.
	Maintain a distance of at least one meter.
D. Training sessions	 Contractors E&S Team will arrange awareness sessions for Contractors and their labor force. Sessions related to safety procedures, use of construction PPEs, occupational health and safety issues, and code of conduct specially privacy issues including social distancing Post appropriate signage and pictorial displays at site about COVID-19 Health &Safety measures. Site supervisor will arrange briefings from time to time with workforce, and encourage them to report to their supervisor or the COVID-19 focal person if they have symptoms. (TORs are attached at Annex H-II). Training staff who will be monitoring entry to the site, providing them with the resources they need to document entry of workers, conducting temperature checks and recording details of any worker that is denied entry.
E. Operationalization of Grievance Redress Mechanism	 Contractor should ensure implementation of GRM developed by PIU for addressing specific COVID related grievances, which would allow community & workers to quickly report issues, such as a lack of PPE, lack of proper procedures, and allow the project to respond and take necessary action.
F. Role of PIU	 PIU is responsible for sharing the COVID-19 checklist with the contractors in the subproject procurement documents. Arrange meetings with contractors for support and guidance where needed.
G. Role of supervision consultant	 The consultant must ensure the implementation of Environmental and Social Management Plans as per the ESRs and ESMPs along with afore mentioned COVID related activities / protocols. Ensure that the necessary PPEs (as per contract) have been issued to the staff by the respective contractor.

Post Execution Phase				
A. Post Screening	If a worker shows any symptoms of COVOD-19, he should be immediately reported to the concerned health department.			
B. Cleaning and waste disposal	 All waste (PPEs and sanitation related) shall be disposed off properly following Sindh Hospital Waste Management Rules, 2014. Providing cleaning staff with adequate protective gear, cleaning equipment, and disinfectants. Where it is anticipated that cleaners will be required to clean areas that have been or are suspected to have been contaminated with COVID-19, providing them with appropriate PPEs. If appropriate PPE is not available, cleaners should be provided with best available alternatives. 			

Annex H-II

TORS for COVID-19 Focal Person from LCs

Responsibilities to include:

- Monitoring, supervising, and reporting on COVID-19 related issues
- Coordination and reporting arrangements with the contractors
- Raising awareness and training of workers in mitigating the spread of COVID-19
- Prepare a plan to handle COVID-19 cases in the light of WHO guidelines
- Implementing a communication strategy with the community, community leaders and local government.





کوویڈ۔ ۹ اوبائی امر اض اور صحت سے متعلق حفاظتی اقد امات

کورونادائر س (COVID-19) وبائی مرض کے دوران کام کرنے والے تعمیراتی مقامات کواس بات کا یقین کرنے کی ضرورت ہے کہ وہ انفیکشن کے خطرے اور پھیلاؤ کو کم سے کم کرنے کے اقدامات پر عمل کرکے اپنی افرادی قوت کی حفاظت کر رہے ہیں۔
تعمیراتی معیاری پروٹو کو لز، تعمیراتی ٹھیکیداروں، سب ٹھیکیداروں اور دیگر کے لئے بہترین طریقوں کا خاکہ پیش کرتا ہے تاکہ COVID-19 بحران کے دوران فرائض انجام دینے کے لئے درکار تمام کارکنوں کی صحت اور حفاظت کو بر قرار رکھا جاسکے۔
پروٹو کول، جس میں روک تھام، پنة لگانے اور رد عمل کے اقدامات شامل ہیں، بحران کے اثرات کو کم سے کم کریں گے اور کلک کے تحت ذیلی منصوبوں پر آسانی سے عملدرآ مدکو یقین بنائیں گے۔

کوویڈ۔ ۱۹ وبائی پیاری کی غیر معمولی نوعیت کے پیش نظر، ٹھیکیدار سائٹ پر صحت اور حفاظت سے متعلق اقد امات کو برقر ار رکھنے کے اور کوویڈ۔ ۱۹ وبائی بیاری کی روک تھام کے لیے حفاظات صحت کی ضروریات کے بارے میں مناسب انظامیات کو بقینی بنانے کے اور کوویڈ۔ ۱۹ کے پھیلاؤ کے لیے تعمیر اتی مقامات پر عمل درامد کرناچاہیے۔ کے لیے تمام ضروری احتیاتی تدابیر اپنانے کے پابند ہیں۔ کوویڈ۔ ۱۹ کے پھیلاؤ کے لیے تعمیر اتی مقامات پر عمل درامد کرناچاہیے۔ دائرہ کار:

ان رہنماخطوط کا مقصد معاشرتی دوری سے متعلق ESMP / ESR کی سفارشات کے مطابق تمام اقسام اور سائز کی تغییراتی سرگرمیوں پر کیسال اقدامات کی فراہمی اور کلک پروجیکٹ سے وابستہ ٹھیکیداروں، ذیلی ٹھیکیداروں، اور دیگر افراد کی تغییل کے لئے ہر ممکن کوشش کویشینی بنانا ہے۔

ے کوویڈ۔ ۹ اوبائی امر اض اور صحت سے متعلق حفاظتی اقد امات





احتیاتی تدابیر	سر گرمیاں
عمل درامدے پہلے	
ا۔ افر دی قوت کا تفصیلی پروفائل ً	
۲_نام، پیتے اور رابطہ نمبر کی فہرست تیار کرنا	
س۔ تمام افرادی قوت کی فہرست تیار کر نابشمول مقامی آبادی ہے تعلق رکھنے والے افراد اور وہ لوگ	
جو مکان کرایہ پرلیں گے کو ہدایت کی جائے کے وہ سائٹ کے قریب موجودہ لو گول سے رابطہ کم سے	
کم رکھیں اور مخصوص حالات میں اپنے معاہدے کی مدت کے دوران سائٹ چھورنے سے بھی منع کیا	
جائے تاک مقامی ابادیون سے رابطہ کم سے کم ہو۔	
ا۔ تمام اندراج شدہ افرادی قوت کو ابتدائی کو ویڈ۔ ۱۹۔ اسکریننگ کے عمل سے گزاراجائے تا کہ ان	
کی اچھی صحت کی تقید بق ہو سکے۔	
۲_سائٹ پر تھر مو گن کی دستیابی کو یقینی بنایا جائے۔	
سلہ ملاز میں کے درجہ حرارت کاریکارڈر کھاجائے	
ہم۔اگر کسی ملاز مین میں کوویڈ۔19(جیسی بخار،خشک کھانسی، تھکاوٹ) کی علامات ظاہر ہوں توسائٹ ۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔۔	
پر موجو د نگران کی زمه داری ہے کی وہ متعلقہ ملاز میں کو فوری طور پر کام سے روک دے اور اسے	
قریبی مرکزی صحت بھجوائے۔متاثرہ کارکن کے ساتھ را لبطے میں رہنے والے کارکن کو ۱۴ دن تک	
سائٹ پر کام کرنے سے رو کا جائے	
عمل درامد کے دوران	T
	محدود نقل وحركت
ا۔ کام کی جگد پر داخلی خارجیر استون پر کار کون اور دیگر افراد کی آمد و فروخت کو محدود اور بر میں میں میں میں میں استون پر کار کون اور دیگر افراد کی آمد و فروخت کو محدود اور	
ریکارڈ میں رکھاجائے۔ مکنہ اقد امات میں بیرشامل ہونا چاہیے۔	
۲۔ سائٹ پر کام کرتے ، آرام کرتے یا کھانا کھاتے ہوئے ساجی فاصلہ پر قرار رکھیں۔	
سر ہنگامی حالات سے خمٹنے کے لیے منصوبہ بندی کی جائے جس میں علاج کی سہولیات کی تفصیل،	
صحت سے متعلق حکام کو مطلع کرنے کاطریقہ کار،سائٹ کوصاف ستھر ار کھنے اور بقیہ ملاز میں کی	

_ كوويدُ_٩ وبائى امر اض اور صحت سے متعلق حفاظتی اقد امات





	اسکریڈنگ شامل ہیں۔
	ہ۔ ایسے کارکن جو سائٹ لیبر کیمپیوٹر میں رہتے ہیں ان کے لیے (اگر کوئی ہے تو) ساجی فاصلہ کے
	پرٹو کول کو مد نظر رکھتے ہوئے ان کے لیے الگ رہائش کا بندوبست کیاجائے۔
زاتی سوز وسامان کی حفاظتی اقد امات	ا ـ سائٹ پر زاتی حفاظتی سازوسامان بشمول ڈسپوزیبل ماسک اور دستانون کی دستیابی کویقینی بنایاجائے۔
	۲_سائٹ پرموجو د حفاظتی سازوسامان کار پکارڈر کھا جائے۔
	سرا اگرعالمی سطح پر ذاتی سامان کی قلت ہو جائے تومتبادل کے طور پر ڈسٹ ماسک، کنسٹر کشن والے
	د ستانے اور حفاظتی عینک کی فراہمی کو یقینی بنایا جائے۔
عام حفاظات صحت	ا۔ ملاز مین کی حوصلہ افزائی کی جایے تا کہ وہ سائٹ پر کم سے کم ۲۰ سیکنڈ تک ہاتھ دھوتے
'	ر ہین۔ سائٹ کے اہم مقامات پر صابن فراہم کیا جائے۔ جہاں صابن رکھنے کی جگہ نہیں یہ مناسب
	تنیین وہاں سینبیٹا ئزرر کھے جائل۔
	۲۔ کم سے کم ایک میٹر کی دور ی بر قرار رکھیں۔
ٹریننگ سیشن	ا۔ ٹھیکیدار کے ماحولیاتی وسماجی ماہریں ٹھیکیدار کے دیگر عملے کے لیے آگاہی سیشن کااہتمام کرے
	گی۔اس سیشن میں حفاظتی اقدامات ذاتی حفاظت کے ساز وسامان کا صحیح استعمال، کام کے دوران
	صحت کے مسائل اور ضابطہ اخلاق بالخصوص پر ائولیبی اور ساجی فاصلے پرٹریڈنگ دی جائے گی۔
	۲ کوویڈ۔ ۱۹۔ ایس اوپیز کو سائٹ پر واضح طور پر آوازیں کیا جائے۔
	سل سائٹ سپر وائزر افرادی قوت کے ساتھ وقتن بہ وقتن بریفینگ کابند وبست کیا جائے۔اور ملاز میں
	کواس کی ترغیب کی جائے۔
	ہر سائٹ کے داخلے رائے پر تعینات ور کرز کوٹریننگ اور مسائل فراہم کیے جائین تا کہ وہ ور کرز کا
	در چه حرارت چیک کر سکیں اور رکارڈ ر کھ سکیں۔
عوامی شکایات کے ازالے کا نظام	ٹھیکیداریی ایم ایو کے بنائے گئے شکایات کے ازالے کے نظام کوسائٹ پر مو ژربنائے تاکہ کوویڈ۔ ۹۔
	کے ایس او پیز سے متعلقہ شکایات کاازالہ ہو سکے۔
يي ايم يو كاكر دار	ا۔ پی ایم بو تھیکیدارون کو کوویڈ۔ ۱۹۔ چیک لسٹ فراہم کرے گا۔
	ر ہنمائی اور مد د کے لیے ٹھیکیدار پی ایم ہو کے ساتھ رابطے میں رہیں۔

_ كوديد _ 19 وبائى امر اض اور صحت سے متعلق حفاظتی اقد امات





ا۔ کوویڈ۔ ۱۹۔ سے متعلق سر گرمیون پرٹوکول کے ساتھ ماحولیاتی اور حفاظتی منصوبے (ای ایس پی)	سپروژن کنسائنٹ کا کر دار
کے نفاذ کو نقینی بنایا جائے۔ کے نفاذ کو نقینی بنایا جائے۔	, , , , , , , , , , , , , , , , , , ,
۲۔ اس بات کو یقینی بنا یا جائے کہ ٹھیکید ار کنز یکٹ کے مطابق ور کرز کو ضروری حفاظتی ساماں مہیا	
عملدرآ مدکے بعد	
اگر کسی ملز میں میں کوویڈ۔ 19۔ کی علامات یائی جاتی ہے تو فور امتعلقہ محکمہ صحت کو اطلاع دی جائے۔	اسکریننگ کے بعد
ا۔استعمال شدہ حفاظتی ساماں اور دیگر فضلہ ہاسٹل ویسٹ مینجمنٹ رولز ۲۰۱۴ کے مطابق تلف کیا	صفائی اور کوڑا کر کٹ کو تلف کرنا
-چائے۔	
۲۔ صفائی ستھر ائی کے سازوسامال اور جرا اژیم کش ادویات فرا نہمی کویقینی بنایاجائے۔	
سروہ عملہ جو کووڈ۔ ۱۹۔ سے متازرہ جگہ یاالی جگہ جہال بیاری کے پھلنے کا خدشہ ہوانہیں مناسب	
سازوسامان مہیا کیاجائے۔اگر کسی وجہ سے مناسب حفاظتی سامان دستیاب نہ ہو سکے تواس کا بہتریں	
متبادل مهيا كيا جائے۔	

كوويله 19_ فوكل پرسن كى زمه داريال

ا۔ کوویڈ۔ ۱۹۔ سے متعلقہ مسائل کی مانیٹرنگ اور پورٹنگ کویقینی بنایا جائے۔

۲۔ ٹھیکیداروں کے ماہیں رابطہ اور پورٹنگ کے انتظامات۔

س کوویڈ۔ ۱۹۔ کے پھیلاو کو کم کرنے کے لیے ملازمیں کی آگائی اور تربیت کرنا۔

سمد ملاز میں کے بیار ہونے کی صورت (ڈبلیو۔ ایچھ۔ او) کے رہنما اصولوں پر عمل کیا جائے۔

۵۔ سائٹ پر کوویڈ۔ ۱۹۔ کے سلسلے میں مقامی آبادی، مقامی رہنمائون اور لوکل گور نمنٹ کے ساٹھ ربطہ کے لیے حکمت عمل مرتب کی جائے۔

ے کوویڈ۔ ۱۹ وبائی امر اض اور صحت سے متعلق حفاظتی اقد امات

Annex I: Chance Find Procedure

Purpose of the chance finds procedure

The chance find procedure is a project-specific procedure that outlines actions required if previously unknown heritage resources, particularly archaeological resources, are encountered during project construction or operation. A Chance Find Procedure, as described in Guidance Note of World Bank and law on Cultural Antiquities of Sindh, is a process that prevents chance finds from being disturbed until an assessment by a competent specialist is made and actions consistent with the requirements are implemented.

Scope of the chance find procedure

This procedure is applicable to all activities conducted by the personnel, including contractors that have the potential to uncover a heritage item/site. The procedure details the actions to be taken when a previously unidentified and potential heritage item/site is found during construction activities. Procedure outlines the roles and responsibilities and the response times required from both project staff, and any relevant heritage authority.

Induction/Training

All personnel, especially those working on earth movements and excavations, are to be inducted on the identification of potential heritage items/sites and the relevant actions for them with regards to this procedure during the Project induction and regular toolbox talks.

Chance find procedure

If any person discovers a physical cultural resource, such as (but not limited to) archaeological sites, historical sites, remains and objects, or a cemetery and/or individual graves during excavation or construction, the following steps shall be taken:

- 1. Stop all works in the vicinity of the find, until a solution is found for the preservation of these artefacts, or advice from the relevant authorities is obtained;
- 2. Immediately notify a construction site in-charge. The in-charge will then notify the PIU-CLICK and the Supervision Consultant;
- 3. Record details in Incident Report and take photos of the find;
- 4. Delineate the discovered site or area; secure the site to prevent any damage or loss of removable objects. In cases of removable antiquities or sensitive remains, a night guard shall be arranged until the responsible local authorities take over;
- 5. Preliminary evaluation of the findings by archaeologists. The archaeologist must make a rapid assessment of the site or find to determine its importance. Based on this assessment the appropriate strategy can be implemented. The significance and importance of the findings should be assessed according to the various criteria relevant to cultural heritage such as aesthetic, historic, scientific or research, social and economic values of the find;
- 6. Sites of minor significance (such as isolated or unclear features, and isolated finds) should be recorded immediately by the archaeologist, thus causing a minimum disruption to the work schedule of the Contractor. The results of all archaeological work must be reported to the Ministry/Agency, once completed.
- 7. In case of significant find the Agency/Ministry (Sindh Archaeology Department, hereinafter referred to as Heritage team) should be informed immediately and in writing within 7 days from the find).
- 8. The onsite archaeologist provides the Heritage team with photos, other information as relevant for identification and assessment of the significance of heritage items.
- 9. The Ministry must investigate the fact within 2 weeks from the date of notification and provide response in writing.
- 10. Decisions on how to handle the finding shall be taken by the responsible authorities. This could include changes in the layout (such as when finding an irremovable remain of cultural or archaeological importance) conservation, preservation, restoration and salvage:
- 11. Construction works could resume only after permission is granted from the responsible authorities.
- 12. In case no response received within the 2 weeks period mentioned above, this is considered as authorization to proceed with suspended construction works.

One of the main requirements of the procedure is record keeping. All finds must be registered. Photo log, copies of communication with decision making authorities, conclusions and recommendations/guidance, implementation reports kept.

Additional information

Management options for archaeological site

- **Site avoidance.** If the boundaries of the site have been delineated attempt must be made to redesign the proposed development to avoid the site. (The fastest and most cost-effective management option)
- **Mitigation.** If it is not feasible to avoid the site through redesign, it will be necessary to sample it using data collection program prior to its loss. This could include surface collection and/or excavation. (The most expensive and time-consuming management option.)
- **Site Protection.** It may be possible to protect the site through the installation of barriers during the time of the development and/or possibly for a longer term. This could include the erection of high visibility fencing around the site or covering the site area with a geotextile and then capping it with fill. The exact prescription would be site-specific.

Management of replicable and non-replicable heritage

Different approaches for the finds apply to replicable and non-replicable heritage.

Replicable heritage

Where tangible cultural heritage that is replicable and not critical is encountered, mitigation measures will be applied. The mitigation hierarchy is as follows:

- Avoidance:
- Minimization of adverse impacts and implementation of restoration measures, in situ;
- Restoration of the functionality of the cultural heritage, in a different location;
- Permanent removal of historical and archaeological artefacts and structures;
- Compensation of loss where minimization of adverse impacts and restoration not feasible.

Non-replicable heritage

Most cultural heritage is best protected by in situ preservation, since removal is likely to result in irreparable damage or even destruction of the cultural heritage.

Nonreplicable cultural heritage must not be removed unless all of the following conditions are met:

- There are no technically or financially feasible alternatives to removal;
- The overall benefits of the project conclusively outweigh the anticipated cultural heritage loss from removal; and
- Any removal of cultural heritage must be conducted using the best available technique advised by relevant authority and supervised by archaeologist.

Human Remains Management Options

The handling of human remains believed to be archaeological in nature requires communication according to the same procedure described above. There are two possible courses of action:

- Avoid. The development project is redesigned to completely avoid the found remains. An assessment should be made as to whether the remains may be affected by residual or accumulative impacts associated with the development, and properly addressed by a comprehensive management plan.
- **Exhumate.** Exhumation of the remains in a manner considered appropriate by decision makers. This will involve the predetermination of a site suitable for the reburial of the remains. Certain ceremonies or procedures may need to be followed before development activities can recommence in the area of the discovery.

EMERGENCY CONTACTS

CLICK, Local Government Department, GoS

Address: 1st Floor, DMC South Office,

KRC Captain Road, Haqqani Chowk, Aaram Bagh

Karachi,

Landline: +92-21-99218874

Sindh Environmental Protection Agency

Address: Head Office, Plot No. ST-2/1, Sector-23,

Korangi Industrial Area, Karachi

Tel: 021-35065950 Fax: 021-35065940

Directorate General Antiquities & Archaeology

Address: C-82, Block 2 Clifton, Karachi

Tel: <u>Phone</u>: <u>021-99212126</u>

Annex J: Anti-Encroachment Drive (AED) Certificate



Ph. #99202822

Email: adcl.south@gmail.com

OFFICE OF THE DEPUTY COMMISSIONER (SOUTH) KARACHI

> No.South/PA.Br/ \$\infty\$ /2021 Dated: **21**st **April, 2021**

To.

The Assistant Commissioner (General), For Commissioner Karachi Division.

SUBJECT: ANTI-ENCROACHMENT VERIFICATION CERTIFICATE OF

IDENTIFIED SCHEMES OF KARACHI METROPOLITAN

CORPORATION.

Reference: Your office Letter No.CK/PIU/2021-21, dated: 12-04-2021

With reference to subject, it is submitted that reports regarding the subject matter were called from all Assistant Commissioners of District South Karachi and they submitted NIL reports. The details of Anti-Encroachment operations carried out after 27th October-2018 are as under:

S.N	DESCRIPTION	ANTI-ENCROACMENT OPERATION
	Development of Badminton Court at Agha Khan Park	NIL
1	Development of Badminton Court at Agna Than	NIL
2	Rehabilitation of street lighting at Mai kolachi Road	NIL
3	Rehabilitation of Fish Aquarium at Clifton	
	Replacement of Expansion joints at various flyover/ bridges / under passes and gratings at drains	

The same is sent herewith for further necessary action as desired.

DEPUTY COMMISSIONER SOUTH KARACHI

Copy to:

PS to Deputy Commissioner, District South Karachi.

ADDITIONAL DEPUTY COMMISSIONER-I SOUTH KARACHI



KARACHI METROPOLITAN CORPORATION

METROPOLITAN COMMISSIONER SECRETARIAT

1ST Floor K.M.C Building M.A Jinnah Road Karachi, Telephone No 021-99216095, 99216038 Fax No: 021-99216011

No. PS/MC/KMC/2021/ 73

Dated: 19/03/2021

To,

The Commissioner Karachi, Karachi Division.

Subject:- Anti Encroachment Verification Certificate of Identified Schemes of Karachi Metropolitan Corporation

Reference subject cited above;

- 2) As per the requirement of the world Bank that each shortlisted scheme under the project COMPETITVE & LIVABLE CITY OF KARACHI (CLICK) LOCAL GOVERNMENT DEPARTMENT, GOVERNMENT OF SINDH are required to be verified by Commissioner office Karachi through verification certificate that there had been no engregathment drive on the proposed sites after 279 October 2019. encroachment drive on the proposed sites after 27° October 2018.
- Therefore, a Certificate is requested for each attached scheme of KMC for CLICK Project 3)

(S. M. AFZACZAIDI, PAS) Metropolitan Commissioner, K.M.C.

Copy for information to the: -

- P.S to Secretary Local Government, GoS, Karachi.
- P.S to Administrator KMC.
- 3. P.S to Metropolitan Commissioner K.M.C.
- 4 Focal Person KMC, CLICK.
- 5. Office Copy



No. CK/PIU/2021- 2 1 OFFICE OF THE COMMISSIONER KARACHI DIVISION, KARACHI

Dated: 12 - 04 -2021.

To,

The Deputy Commissioner, District South, East, West, Central,

Malir, Korangi & Keamari, Karachi.

Subject: Anti-Encroachment Verification Certificate of Identified Schemes of Karachi Metropolitan Corporation.

I am directed to enclose herewith a copy of letter No. PS/MC/KMC/2021/73, dated 19-03-2021, alongwith its enclosure, received from Metropolitan Commissioner, Karachi Metropolitan Corporation (KMC), on the subject noted above for furnishing a comprehensive report and a verification certificate to this office after thoroughly verifying the record.

Assistant Commissioner (General)
for Commissioner Karachi Division

Copy to:-

- 1. The Metropolitan Commissioner, KMC, Karachi.
- 2. PS to Commissioner Karachi Division.
- 3. Incharge R&I branch of this office for delivery.