

REPUBLIC OF IRAQ

MINISTRY OF PLANNING

**Iraq “Social Fund for Development” Project
(SFDP)**

**ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN
(ESMP)**

**FOR THE
CONSTRUCTION / REHABILITATION
OF
SCHOOLS IN FIVE VILLAGES (ATROSH, BAADRA , BIPAFa,
BROSHKA, AND BURJI)**

**IN
DUHOK GOVERNORATE**

24TH FEBRUARY 2020

Table of Contents

Executive Summary	1
1. INTRODUCTION	4
2. PROJECT DESCRIPTION	4
2.1 Objective of the Works	5
2.2 Scope of Work.....	5
3 BASELINE CONDITIONS	6
3.1 The Project Area.....	6
3.1 Environmental and Social Baseline Conditions.....	7
3.1.1 Climate	7
3.1.2 Air Quality	7
3.1.3 Site Topography and location	7
1.2.1 Land use	7
1.2.2 Flooding.....	8
1.2.3 Noise	8
1.2.4 Heritage Environment.....	8
1.2.5 Traffic Level	8
1.2.6 Land acquisition	8
1.2.7 Social Aspects.....	9
2. LEGAL ASPECTS	9
4.1 Iraqi environmental legislations.....	9
4.2 The World Bank Safeguards Policies.....	10
4.3 WBG EHS: The Environmental, Health, and Safety (EHS) Guidelines	10
3. IMPACT ASSESSMENT AND MITIGATION MEASURES	10
5.1 Construction Phase	10
5.2 Operational Phase.....	11
4. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN	11
5. ENVIRONMENTAL AND SOCIAL MONITORING PLAN	22
7.1 Environmental and Social Monitoring	22
7.2 ESMP Institutional Arrangements.....	22
7.3 Reporting requirements.....	22
7.4 Capacity Development and Resources Requirements.....	25
6. PUBLIC CONSULTATION	26
8.1 Consultation Process:.....	26

8.2 Consultation Results:.....	26
7. Grievance Redress Mechanism.....	27
ANNEXES	28
Annex 1: Public Consultations Photos	28
Annex (2): Sample of Public Consultation at these five Villages.....	29
Annex (3): Sample individual interviews for both men and women	30

List of Figures

Figure 1: location of the five villages (google earth)	5
Figure 2 Map of Iraq on the right and Duhok governorate on the left.....	6
Figure 3: Current situation of Schools in the five villages.....	8

List of Tables

Table 1: Information about the villages.....	5
Table 2: Applicable Laws and Regulations in Iraq	9
Table 3: Summary of Impact Assessment during Construction	11
Table 4: Mitigation Measures during Construction Phase.	13
Table 5: Mitigation Measures during Operation Phase.	20
Table 6: Monitoring Activities during Construction Phase.	23
Table 7: Capacity Development Requirements.....	25
Table 8: Contact Information for GRM	27

List of Abbreviations

CDGs	Community Development Groups
ESMP	Environmental and Social Management Plan
EHS	Environmental, Health, and Safety
ESMF	Environmental and Social Management Framework
GIIP	Good International Industry Practice
GOI	Government of Iraq
GRM	Grievance Redress Mechanism
GBV	Gender Based Violence
MOE	Ministry of Environment
MOP	Ministry of Planning
MSDS	Material Safety Data Sheets
OP	Operational Policy
PAPs:	Project Affected Peoples
PMO	Project Manager Office
PPE	Personal Protective Equipment
RE	Resident Engineer
SFD	Social Fund Development
TOR	Terms of Reference
WB	World Bank
WHO	World Health Organization

EXECUTIVE SUMMARY

INTRODUCTION	This ESMP is prepared in accordance to the ESMF requirements of the SFD project. The main objective of the ESMP is to assess the environmental and socio-economic impacts of the subprojects (during construction and operation phases) and to propose mitigation measures to mitigate the impacts associated with subproject. This subproject includes the construction/rehabilitation of five schools in five villages in Duhok governorate. The schools are expected to result in significant socio-economic benefits for the students and local communities as it will enhance self-esteem and the ability to value each person's own worth through a happy, caring, enriching and secure environment.	
PROJECT DESCRIPTION	The subproject consists of construction/rehabilitation of schools in five villages. The five villages are: Atrosh, Baadra , Bipafa, Broshka, and Burji village in Duhok governorate. The construction/rehabilitation activities will need about 20-25 worker per day for each site. Workers are expected to be hired locally, however if a construction camp is deemed necessary, it will be installed on vacant state-owned land. Also, equipment and construction materials will be stored on vacant state-owned land. The anticipated duration of works is 300 days for all schools including mobilization and demobilization of contractors.	
ENVIRONMENTAL AND SOCIAL BASELINE CONDITIONS	Climate	Duhok governorate is located in the northern part of Iraq. Duhok governorate's terrain mostly consists of mountain slopes, hills and valleys. The climate of Dohuk governorate is hot and dry in summers and mild in winters. The average temperature in Duhok is 18.5 °C. The warmest month of the year is July, with an average temperature of 31.9 °C. Most precipitation falls in February; Rainfall averages 616 mm yearly.
	Air quality	The ambient air quality is within normal range.
	Land	No additional land for the work is needed to proceed with these roads.
	Biodiversity	No protected areas or endangered species (there is no critical or high biodiversity values that might be affected) in the vicinity of the sites.
	Culture heritage	The sites adjacent areas do not include any historical or cultural sites.
POLICY AND	Applicable Iraqi laws	Applicable WB Policies

LEAGAL FRAMEWORK	<ul style="list-style-type: none"> • Law no. 37 of 2008 MoE roles and responsibilities. • Law no. 27 of 2009 Protection of Environment • Regulation 2 of 2001 Preserving water resources • Law No.3,1997 Environment protection • Law No. 55. 2002 Heritage and antiques 	<ul style="list-style-type: none"> • OP 4.01 Environmental Assessment • OP 4.12 Involuntary Resettlement • OP 4.11 Physical and Cultural Resources • WB General Environmental, Health, and Safety guideline • Grievance Redress Service
ENVIRONMENTAL AND SOCIAL IMPACT ANALYSIS	• Environmental Receptor	Impact Significance
	Air Quality	Low
	Noise	Low
	Water Resources	Low
	Soil	Low
	Solid and hazardous wastes	Low
	Flora & Fauna	Not significant
	Topography and landforms	Not significant
	Impacts on local traffic	Low
	Health and Safety	High
	Socio-Economic impacts	Low
	Child Labor	Medium
GVB	Low	
PUBLIC CONSULTATION RESULTS	Two modalities of consultations were carried out for this subproject. Public consultation was conducted in all 5 villages with men only due to the tribes' habit where 60 participants attended. The second approach was one-to-one interviews with both men and women to have their views and concerns of potential impacts during implementation. The number of individuals interviewed was 17 women and 31 men.	
GRIEVANCE REDRESS MECHANISM	The SFD is in the process of establishing a free hotline and is expected to be functioning within the next few months. Meanwhile, in order to comply with the WB requirements, SFD has temporary assigned three staffs as focal points with their cell phone numbers to be disseminated at each road site for receiving calls and handling complaints. The contact details will be posted at site signboard and the complaint boxes will be installed in each location.	

Main Report

1. INTRODUCTION

According to the Environmental and Social Management Framework (ESMF) which was prepared for the Social Fund for Development project (SFDP) and disclosed locally and on the WB website, an Environmental and Social Management Plan (ESMP) should be prepared, cleared and publically consulted upon and disclosed prior to the commencement of any construction activities for all the subproject's components.

This ESMP was developed to identify, assess and mitigate the environmental and social risks and impacts with the construction/rehabilitation of five schools in 5 villages. The five villages are: **Atrosh, Baadra , Bipafa, Broshka, and Burji** village in Duhok governorate.

The ESMP was prepared by an independent consultant according to requirements of the World Bank (OP 4.01), and Iraqi regulations. The ESMP should be implemented by all relevant parties.

The objectives of this ESMP are to:

- Provide practical and achievable actions to ensure that the subprojects adverse environmental and social impacts are properly avoided or mitigated.
- Illustrate the institutional arrangements for implementing and monitoring the mitigation actions
- Integrate community views and input on the environmental and social impacts of these subprojects
- Comply with WB and national requirements
- Provide information to the local community on the subprojects activities, the associated risks and impacts, mitigation measures and Grievance Redress Mechanism (GRM) system.

2. PROJECT DESCRIPTION

This subproject involves the construction/rehabilitation of five schools in 5 villages in the Governorate of Duhok Northeast of Iraq. The five villages are: **Atrosh, Baadra , Bipafa, Broshka, and Burji** village in Duhok governorate. These villages either have no schools or suffer from deterioration in the existing schools. The locations of these villages are shown in the figure below:

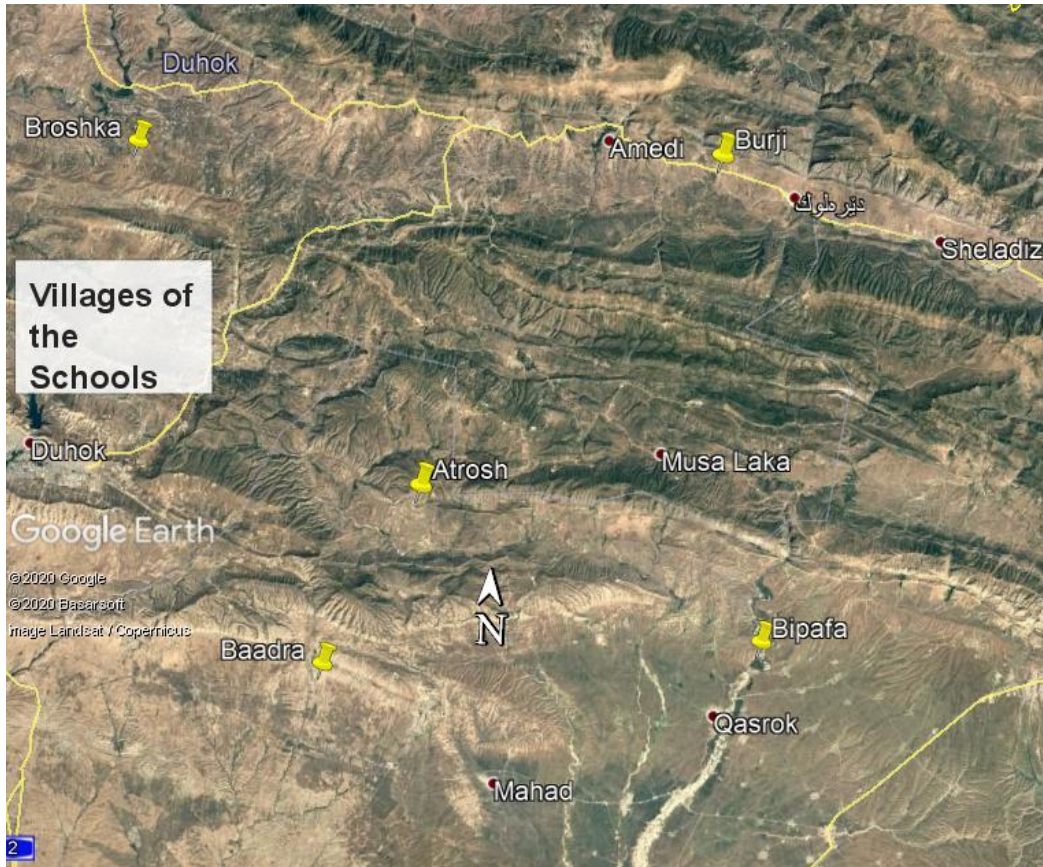


Figure 1: location of the five villages (google earth)

2.1 Objective of the Works

The objective of the subprojects is to construct one new school in Bipafa village with 9 classes and their administration offices, while the other four schools will be by rehabilitation the schools and adding one class (room) for these schools. The subprojects aim to enhance self-esteem and the ability to value each person's own worth through a happy, caring, enriching and secure environment.

2.2 Scope of Work

In Bipafa village the scope of work will entail construction of one new school , while the in other villages existing schools will rehabilitated and be expanded by adding a new Exam hall (new hall with will be built from bricks with concrete slab) as shown in Table 1. Both construction/ rehabilitation activities of these schools involve similar works and will include the following activities:

Table 1: Information about the villages

No.	Village	Type of implantation	Population
1	Atrosh	Rehabilitation-adding exam hall	1266
2	Burji	Rehabilitation-adding exam hall	2047
3	Bipafa	Construction New School	850
4	Baadra	Rehabilitation-adding exam hall	1250
5	Broshka	Rehabilitation	1086

- 1) Works for construction of the schools in Duhok Governorate will include all civil work from foundation up to wall building installation which is represented by:
 - A) Site preparation and Earth works
 - B) Masonry works
 - C) Structural works which include concrete works
 - D) Finishing works which include painting, tiling in addition to sanitary and electrical works
- 2) Works for rehabilitation activities will include finishing works which represented by painting, tiling, changing glass and doors, in addition to sanitary and electrical works

The anticipated duration of upgrading works is about 300 days for all the subprojects with about 20-25 workers per day about 95% of them are expected to be local workers and the rest are engineers and technicians that may be from the closest areas. However if a construction camp is deemed necessary, it will be installed on vacant state-owned land

3 BASELINE CONDITIONS

3.1 The Project Area

The subproject is located in Duhok which is the northernmost governorate of Iraq, Duhok borders Turkey and shares internal boundaries with the governorates of Ninawa and Erbil (as shown in figure 2 below). The proposed location of the new school will be in an area from flat to some hills and valleys. The rehabilitation and expansion of the existing schools will use the exact footprint of the existing schools.



Figure 2 Map of Iraq on the right and Duhok governorate on the left.

3.1 Environmental and Social Baseline Conditions

The environmental baseline section is presented to give clear overview of the environmental and social conditions in the vicinity of the subproject location prior to commencement of works.

3.1.1 Climate

Duhok governorate is located in the northern part of Iraq. Duhok governorate's terrain mostly consists of mountain slopes, hills and valleys. The climate of Dohuk governorate is comparable to that of surrounding regions, with hot and dry summers and mild winters. The average temperature in Duhok is 18.5 °C. The warmest month of the year is July, with an average temperature of 31.9 °C. Most precipitation falls in February; Rainfall averages 616 mm yearly and is limited to the winter.

3.1.2 Air Quality

The subproject sites are located in open areas, so the expected concentration of air pollutants is low. Air pollutants in the villages are caused mainly from movement of vehicles and trucks. Therefore, the ambient air quality is expected to be within the WHO ambient air quality standards.

3.1.3 Site Topography and location

The areas close to the subproject have some mountains, cliffs, and valleys. There are no protected areas or endangered species (there is no critical or high biodiversity values that might be affected) in the vicinity of the sites (more than 2 Km). There are some houses near the project area, no sensitive receptors located to the subprojects site for more than 300m. The current situation of these schools are shown in figure 3.

1.2.1 Land use

This subproject involves the construction/rehabilitation of five schools in 5 villages in the Governorate of Duhok. These villages either have no schools or suffer from deterioration in the existing schools. The construction activities of schools will be within the existing footprints of the school that will be built on state-owned lands. There are no close buildings located to the project site and therefore it is unlikely to be adversely affected by either the construction activities or the operation of the school when it is in use.

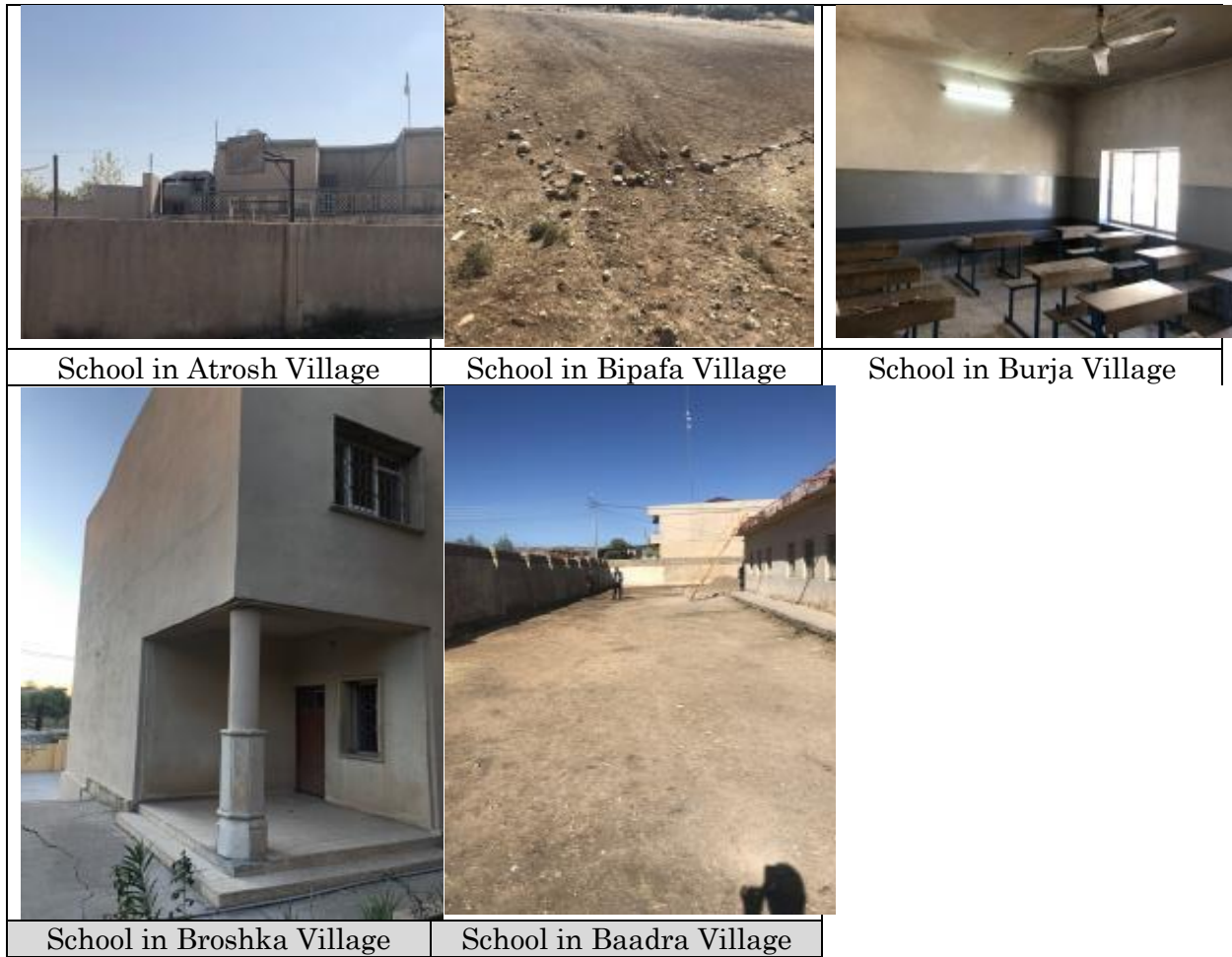


Figure 3: Current situation of Schools in the five villages

1.2.2 Flooding

There are no records of flooding that occurred previously in the area.

1.2.3 Noise

Currently, there is no traffic congestion and consequently the existed noise level is within the normal levels near the working area.

1.2.4 Heritage Environment

There are no sites of historical or cultural importance in the area. There are no cemeteries, historical-cultural monuments, churches, mosques near these subprojects that need to be removed or will be impacted due to the construction/rehabilitation activities.

1.2.5 Traffic Level

No traffic problem or traffic congestion will be expected during the construction phase or in the operation phase.

1.2.6 Land acquisition

The new and the existing schools are built on public state land and hence there are no issues related to land acquisition. Land in the vicinity of most of the

schools is an open area; Land will be used for these schools are all State-owned land. There are no close buildings located to the subprojects sites and therefore it is unlikely to be adversely affected by either the rehabilitation activities or the operation when they are in use. The construction camp will be established within the school on vacant state owned lands for storage of equipment and construction materials. The construction activities will not cause relocation of people and any individuals.

1.2.7 Social Aspects

The population of villages is about 6499 people. There are no people associated with the construction/ rehabilitation activities who will be adversely affected through the need to relocate, or whose livelihoods will be adversely affected by these activities.

2. LEGAL ASPECTS

4.1 Iraqi environmental legislations

During rehabilitation and operation phases of the project, the work must follow the Iraqi laws and regulations for the environmental standards. These are:

1. Laws of the environment protection No.3 issued in 1997 and its relevant published regulations. No environmental regulations for gaseous emissions, noise and other air pollution standards are in force and legally binding. However, limits for water disposal in any surface waters and main sewers are regulated according to the regulations no. (25)/1967 and their update modifications released from the Ministry of Health (MOH) and the Ministry of Environment.
2. New environmental framework Law No. 27 of 2009 by the Iraqi National Government was introduced but the executive decrees remain to be prepared. There are as yet no formally adopted requirements for environmental assessment.
3. Regulations governing contact with archaeological sites extend also to encompass developmental activities like road construction and rehabilitation wherever these developmental activities lie within archaeological vicinity.
4. Regulations of the MOE on sanitary waste must be followed, and for the rubbles (construction & demolition waste) the regulations, legislations and instruction of both MOHE and MOCHPM.

Table 2: Applicable Laws and Regulations in Iraq

Law	Subject
Law no. 37 of 2008 for Ministry of Environment	Describes institutional arrangements of the Ministry of Environment and Outlines policies and roles and responsibilities toward protecting the environment.
Law no. 27 of 2009	Protection and Improvement of Environment Environmental protection from pollution resulted from petrol and natural gas extraction

Regulations no. 2 of 2001	Preserving water resources.
Law no. (55) Issued in 2002	Law of heritage and antiques
Law No. 37 of 2015.	Labor Law No. 37 of 2015.

For legal aspects, the work during construction and operation must follow the Iraqi laws and regulations for the Environmental Standards. These are laws of the environment protection No.3 issued in 1997 and the published regulations. No environmental regulations for gaseous emissions, noise and other air pollution standards are in force and legally binding. However, limits for water disposal in any surface waters and main sewers are regulated according to the regulations no. (25)/1967 and their update modifications released from the ministry of health and the ministry of the environment. Law of heritage and antiques no. (55) Issued in 2002, while for a sanitary waste (municipal) the regulations of the MOE must be followed, and for the rubbles (construction & demolition waste) the regulations, legislations and instruction of both MOHE and MOCHPM must be followed. It is important also to mention that, the contractor will sign employment agreement with all construction workers by following labor law of Iraq.

It should be noted that legislation relating to social safeguards issued in Iraq since 2003 has focused primarily on the ratification of international conventions and protocols on issues such as cultural heritage. As yet there are no formally adopted requirements for social assessments relating to road works. Hence, social safeguards issues remain very largely uncovered except to the extent they are referred to under environmental laws.

4.2 The World Bank Safeguards Policies

In addition to the Iraqi laws and regulation the ESMP follows key policies and procedures of the World Bank; the following section presents the WB operational policies relevant to the rehabilitation and reconstruction of the Roads.

- ❖ OP/BP 4.01 Environmental Assessment.
- ❖ OP/BP4.12 Involuntary Resettlement
- ❖ OP/BP 4.11 Physical Cultural Resources

4.3 WBG EHS: The Environmental, Health, and Safety (EHS) Guidelines

These are technical reference documents with general and industry-specific examples of Good International Industry Practice (GIIP). When one or more members of the WB Group are involved in a project, these EHS Guidelines are applied as required by their respective policies and standards.

3. IMPACT ASSESSMENT AND MITIGATION MEASURES

5.1 Construction Phase

This section of the report describes the environmental and social impacts that are likely to result from the construction and rehabilitation of these Schools, and the mitigation

measures addressing them. The Environmental actions, procedures and responsibilities as required during the construction phase must comply with the available specifications, legislation, laws issued by the MOHE.

The construction contractor(s) will be responsible for compliance with the ESMP provisions during the construction phase of the subprojects. The contractor will be also in charge of undertaking construction works in a manner which complies with all relevant environmental procedures, adheres to all legislative requirements, and ensures that all environmental objectives associated with the contract are achieved. The overall assessment of the key environmental and social impacts is summarized below. According to the above environmental baseline and mitigation measures, it can be expected that the significant impact is low for most of the environmental receptors due to the minimum concentrations (as a background) for some parameters and medium impact for child labor while health and safety has a high impact due to the fact this issue is related directly with the health and safety for the workers and staff as shown in the table below:

Table 3: Summary of Impact Assessment during Construction

	Environmental Receptor	Impact Significance
1	Air Quality	Low
2	Noise	Low
3	Water Resources	Low
4	Soil	Low
5	Solid and hazardous wastes	Low
6	Flora & Fauna	Not significant
7	Topography and landforms	Not significant
8	Impacts on local traffic	Not significant
9	Health and Safety	High
10	Socio-Economic impacts	Low
11	Child labor	Medium
12	GBV	Low

5.2 Operational Phase

During the operational period, the project is expected to result in positive socio-economic outcomes for the local communities. Socially harmful consequences of road operation are not anticipated. However, the continued operation of a GRM for one year following opening of the road for use will ensure that local community members have an accessible, fair and transparent means of reporting any emerging adverse impacts, and a means of obtaining mitigation.

4. ENVIRONMENTAL AND SOCIAL MANAGEMENT PLAN

In this section, the identified mitigation measures will be summarized. The responsibility for implementation of the mitigation measures will be mostly upon the contractor. However, the supervision and assurance that the mitigation measures are implemented will be the responsibility of the Resident Engineer who represents the ministry as the Project Owner.

The Resident Engineer (RE) will be assisted by a team of environmental and social officers who will be responsible for supervising the daily activities of the contractor and will report non-compliances to the Resident Engineer in order to take necessary actions

towards the contractor in addition to the OHS aspects. Regular supervision site visits will also be conducted by the PMO environmental/social officer in association with a qualified environmental and social consultant who will provide technical advice in case there is a need to modify or add new mitigation measures as work necessitates.

The costs of mitigation measures are estimated based on the average market rates for similar activities in Iraq and can be used as indicative costs. It is the sole responsibility of the contractor to estimate the costs associated with the recommended mitigation measures based on his work experience.

In terms of hazardous waste, the following mitigation should be followed:

- Provide adequate sanitation facilities serving all workers (mentioned in HSE).
- Paints with toxic ingredients or solvents or lead-based paints will not be used
- All waste should be deposited through licensed haulers/transporters to licensed and regulated landfill sites appropriate to the type of waste generated (e.g. solid, household, hazardous).

The following tables summarize the mitigation measures which are required to be undertaken to avoid any negative impacts on the environment. Responsibilities and estimated costs are also presented.

Table 4: Mitigation Measures during Construction Phase.

Receptor		Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
1	Air quality	<ul style="list-style-type: none"> • Unpaved roads, e.g. which may be utilized for construction vehicles movement or transportation of construction materials should be prepared in a way to avoid dust emissions. Watering to suppress dust should take place regularly. • Watering or increase of the moisture level of the open materials storage piles to reduce dust levels. • Enclosure or covering of inactive piles to reduce wind erosion. • Loads in all trucks transporting dust-generating materials have to be sprayed with water to suppress dust, as well as wheels of means moving inside and outside of the construction-site. • Limiting Speed for vehicles approaching the site to less than 40 km/hr. On site, speed limit should not exceed 20 km/hr. 	Contractor	Resident engineer	1000
		<ul style="list-style-type: none"> • Engines of vehicles and other machinery are kept turned on only if necessary, avoiding any unnecessary emission. • Machines and equipment are periodically checked and maintained to ensure their good working condition. • All equipment and machines must be maintained and tested for compliance with standards and technical regulations for the protection of the environment and have appropriate certifications. • Activities are carried out using the minimum required number of means at the same time. • Electric small-scale mechanization and technical tools are used when available and feasible. 	Contractor	Resident engineer	Included in contractor cost
2	Noise	Construction activities are to take place within reasonable hours during the day and early evening although there are no close residential buildings. Night-time activities near noise sensitive areas, such as residential buildings, should not be allowed.	Contractor	Resident engineer	Included in contractor cost

Receptor		Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
		<ul style="list-style-type: none"> Equipment must be kept in good working order and where appropriate fitted with silencers which are kept in good working order. Equipment to run only when necessary Positioning of the noise sources in a concealed area with respect to acoustic receptors, consistent with the needs of the construction site. 	Contractor	Resident engineer	Included in contractor cost
		Use of personal protection equipment for workers especially those who use jack hammers or near noisy engines or compressors.	Contractor	Resident engineer	1000
3	Water resources	Wastewater from the worker rest areas or construction offices should be contained in sealed containers and should be removed regularly from site by means of authorized contractors.	Contractor	Resident engineer	1000
		In case of the need to change engine, oils or refuel some construction equipment, a proper maintenance workshop or shelter should be installed to ensure containment of any fuel or oil spills via provision of secondary containment, drip trays or other overflow and drip containment measures, for hazardous materials containers at connection points or other possible overflow points	Contractor	Resident engineer	1000
		<ul style="list-style-type: none"> In case of using septic tanks on site, the engineering drawings of these tanks should be presented to the Resident Engineer for approval. The wastewater in these tanks should be collected and then transported periodically to the nearest authorized wastewater treatment plant. 	Contractor	Resident engineer	Included in contractor cost
4	Soil	<ul style="list-style-type: none"> To prevent soil contamination by oil/grease spills, leakages or releases, all manipulations of oil derivatives in the process of construction and provision of the fuel to the machines should be performed with maximum care; leak proof containers should be used for storage and transportation of oil/grease and wash off from the oil/grease handling area shall be drained through drains and collected and disposed properly Construction waste and debris shall be collected on a regular basis and disposed of at designated landfills; Only authorized quarries shall be used for purchasing soil to be used for embankment, 	Contractor	Resident engineer	Included in contractor cost

Receptor		Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
		padding, bedding, backfilling during construction; and <ul style="list-style-type: none"> It must be prohibited to operate equipment and vehicles outside the designated work areas and roads. 			
		<ul style="list-style-type: none"> No hazardous waste storage to take place directly on soils. Appropriate and enclosed containers away from direct sunlight, wind and rain. Provide adequate ventilation where volatile wastes are stored. Limiting access to hazardous waste storage areas to employees who have received proper training 	Contractor	Resident engineer	1000
5	Solid and hazardous wastes	<ul style="list-style-type: none"> Minimizing hazardous waste generation by implementing stringent waste segregation to prevent the commingling of non-hazardous and hazardous waste to be managed. Provision of readily available information on chemical compatibility to employees, including labeling each container to identify its contents Limiting access to hazardous waste storage areas to employees who have received proper training Simple waste management plan for specific waste streams must be developed. Non- hazardous or municipal waste must be collected and transported to local council approved disposal sites. Food wastes must be collected, where practicable, considering health and hygiene issues, for disposal off-site through licensed contractors. Waste containers must be located at each worksite. Chemical wastes must be collected in 200-liter drums (or similar sealed container), appropriately labeled, for safe transport to an approved chemical waste depot or collection by a liquid waste treatment service. Storage, transport and handling of all chemicals must be conducted in accordance with all legislative requirements, through licensed contractors and in coordination with the local authority. All hazardous wastes must be appropriately stored in bounded areas and should be clearly identified as “hazardous”. Transportation and disposal of hazardous wastes should be done through licensed 	Contractor	Resident engineer in coordination with the local authority and ministry of science and technology regarding hazardous wastes	2000

Receptor		Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
		<p>contractors and in close coordination with the relevant local authority and in compliance with the legal requirements and instructions of the ministry of science and technology previously.</p> <ul style="list-style-type: none"> • Hazardous liquids, such as solvents, rust proofing agents and primer must be managed in accordance with the requirements of relevant legislation and industry standards. • Material Safety Data Sheets (MSDS) for hazardous materials must be available on-site during construction and made available and explained to workers. • Hydrocarbon wastes, including lube oils, must be collected for safe transport off-site for reuse, recycling, transport or disposal at approved locations. 			
6	Flora & Fauna	Not Applicable	Not Applicable	Not Applicable	Not Applicable
7	Topography and landforms	Not Applicable	Not Applicable	Not Applicable	Not Applicable
8	Traffic	<ul style="list-style-type: none"> • Where practicable, truck deliveries must be restricted to daytime working hours. • Clear traffic signs and signs signals must be installed on-site to provide for safe traffic. 	Contractor in coordination with the Local Traffic Department	Resident Engineer	500
9	Health and Safety	<ul style="list-style-type: none"> • Limit speed of construction vehicles and provide road signage for drivers and local community. 	Contractor	Local traffic department in coordination with the Resident engineer	1000

Receptor	Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
	<ul style="list-style-type: none"> • Having a clear set of OHS Plan and Procedures. • Having a detailed emergency plan including the nearest medical center and the location of the first aid kits. • Qualified personnel must be employed for the construction equipment, and personnel must be trained for health and safety issues. • Personal protection equipment such as eyeglasses, gloves, hard heads and safety belts must be supplied and continuously used by all workers, technicians, engineers and site visitors. 	Contractor	Resident engineer	1500
	<ul style="list-style-type: none"> • Testing structures for integrity prior to undertaking work; • Implementation of a fall protection program that includes training in climbing techniques and use of fall protection measures; • An approved tool bag should be used for raising or lowering tools or materials to workers on structures; • Use of helmets and other protective devices will mitigate against scratches, bruises, punctures, lacerations and head injuries due to dropping objects. • Adherence to local and international guidance and codes of practice on EHS management during construction; • management, supervision, monitoring and record-keeping; • implementation of EHS procedures as a condition of contract with contractors and their sub-contractors; • clear definition of the EHS roles and responsibilities of the companies involved in construction and to individual staff (including the nomination of EHS supervisors during construction and an EHS coordinator during operation); • pre-construction assessment of the EHS risks and hazards associated with construction and operation, including consideration of local cultural attitudes, education level of workforce and local work practices; • provision of appropriate training on EHS issues for all construction and operation workers, including initial induction and regular refresher training, taking into account local cultural issues; 	Contractor	Resident engineer	Included in contractor cost

Receptor		Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
		<ul style="list-style-type: none"> provision of health and safety information; regular inspection, review and recording of EHS performance; 			
		<ul style="list-style-type: none"> Any accidents to be reported and treated within site as a first aid procedure. Safety training for the workers. Fuel and oil changing shelters should be equipped with necessary firefighting and safety equipment First aid boxes should be available all times onsite and trained staff on emergency aids should be identified. 	Contractor	Resident engineer in coordination with health and safety officials.	1000
		<ul style="list-style-type: none"> Provide surveillance and active screening, and immunization Provide treatment on-site or in community health care facilities Eliminate unusable impounded water, and apply vector control programs Erect suitable and adequate warning signage along culvert cleaning and excavation sites Collaborate with local communities and responsible authorities to improve signage and visibility Avoid uncovered piles of aggregates and other construction materials Avoid burning waste in worksites Avoid or minimize driving through community areas and dangerous routes during daytime To ensure worker safety, health insurance must be provided to all type of workers Alert drivers on local speed limits, and monitor implementation Minimize traffic by purchasing from the local markets to the extent possible 	Contractor	Resident engineer in coordination with health and safety officials.	1000
10	Handling Complaints	<ul style="list-style-type: none"> A complaints register will be kept on site and this will feed into the GRM. Details of complaints received will be incorporated into the audits as part of the monitoring process. 	Resident Engineer	PMT	Included in contractor cost
11	Cultural Heritage	<ul style="list-style-type: none"> In case of accidental discovery stop all works and contact the responsible authority within 24 hours; Provide training to the construction crew on the mode of conduct in case of accidental findings <p>Chance find procedures will be used as follows: Stop the construction activities in the area of the chance find;</p> <ul style="list-style-type: none"> Delineate the discovered site or area; Secure the site to prevent any damage or loss of removable objects. In cases of removable 	Contractor	Resident engineer in coordination with health and safety officials.	Included in contractor cost

Receptor		Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
		<p>antiquities or sensitive remains, a night guard shall be present until the responsible local authorities and the Ministry of Culture take over;</p> <ul style="list-style-type: none"> • Notify the supervisory Engineer who in turn will notify the responsible local authorities and the Ministry of Culture immediately (within 24 hours or less); • Responsible local authorities and the Ministry of Culture would be in charge of protecting and preserving the site before deciding on subsequent appropriate procedures. This would require a preliminary evaluation of the findings to be performed by the archeologists from the Department of Antiquities and the Ministry of Culture (within 72 hours). The significance and importance of the findings should be assessed according to the various criteria relevant to cultural heritage; those include the aesthetic, historic, scientific or research, social and economic values; • Decisions on how to handle the finding shall be taken by the responsible authorities from DA and the Ministry of Culture. This could include changes in the layout (such as when finding an irremovable remain of cultural or archeological importance) conservation, preservation, restoration and salvage; • Implementation for the authority decision concerning the management of the finding shall be communicated in writing by the Ministry of Culture; and • Construction work could resume only after permission is given from the responsible local authorities and the Ministry of Culture concerning safeguard of the heritage 			
12	Child labor and Gender Based Violence	<ul style="list-style-type: none"> • Rigid obligations and penalties will be added to the contractor contracts in order to warrantee no child labor exist in the subproject • The PMT will oblige the contractor to keep a copy of IDs of laborers in order to monitor the hired staff (Chapter 11 of the 2015 Labor Law of Iraq sets the age for hazardous works 18 years old). • Labor influx should also be managed by contractor and ensure Code of Conduct is introduced and applied to avoid impact on local community and provide mitigation measure for GBV risks • The contractor also will be obliged to maintain daily attendance sheets in order to verify the attendance of workers in case of accidents and provide the injured persons with proper health insurance • The code of conduct for workers/contractors should be introduced to prevent misconducts, including prevention of sexual harassment and gender-based violence and also training and awareness rising for workers should be continued, through daily toolbox talks and other training opportunities. 	Contractor	Resident engineer	Included in contractor cost

Receptor		Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
13	Accessibility:	<ul style="list-style-type: none"> Schools should be accessible to all students with disabilities, including wheelchair users. The project should have measures to make schools accessible to boys and girls, such as include separate toilets for boys and girls, Where culturally appropriate, conduction sensitization campaign for parents, training/hiring female teachers are necessary. 	Contractor	Resident engineer	Included in contractor cost
Total cost US\$ (rehabilitation phase)					11,000

Table 5: Mitigation Measures during Operation Phase.

Receptor		Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
1	• Air quality	• The net impact of the Project on air quality is not significant and temporary and will be limited to Construction Period.	Not Applicable	Not Applicable	Not Applicable
2	• Noise	• Negligible noise levels associated with the operation of the school during operating time.	Not Applicable	Not Applicable	Not Applicable
3	Sanitary Waste	• Wastewater (sanitary waste) will be collected in the collection tank (septic tank) and then transported periodically to the nearest authorized wastewater treatment plant as there is no sewage network available in the area of these schools.	Local authorities	Local authorities	municipal budget
4	Soil	Not applicable	Not applicable	Not applicable	Not applicable
5	Solid and hazardous wastes	<ul style="list-style-type: none"> During the operational period, some littering and waste generation resulting from the repair activities will occur. Littering may occur due to wind action. In addition, the used oil produced from engines (generator if present) can be stored in an air-tight container that can be sealed with a screw on cap and then transferred to the nearest recycling facility i.e the hazardous waste, the storage, collection, transportation and disposal of hazardous waste should be handle properly. All waste should be deposited through licensed haulers/transporters to licensed and regulated landfill sites appropriate to the type of waste generated 	Local Authority (Municipality)	Local Authority (Municipality)	Within municipal budget
6	Flora & Fauna	Not applicable	Not Applicable	Not	Not Applicable

Receptor		Mitigation Measures	Responsibility	Supervision	Total estimated Cost in US\$
				Applicable	
7	Topography and landforms	Not Applicable	Not Applicable	Not Applicable	Not Applicable
8	Handling Complain	The continued operation of a GRM for one year following operating of the schools for use will ensure that local community members have an accessible, fair and transparent means of reporting any emerging adverse impacts, and a means of obtaining mitigation.	Local authorities	Local authorities	No cost
9	Health and Safety	<ul style="list-style-type: none"> Provision signage to improve visibility and overall safety of roads, particularly along stretches located near schools or other locations where children may be present. Having a clear set of emergency Plan and Procedures. provision of health and safety information; regular inspection, review and recording of EHS performance; 	Contractor	Resident engineer	Included in contractor cost
10	Accessibility:	<ul style="list-style-type: none"> Schools should be accessible to all students with disabilities, including wheelchair users. Where culturally appropriate, conduction sensitization campaign for parents, training/hiring female teachers are necessary. 	Contractor	Resident engineer	Included in contractor cost
Total cost US\$ (Operation phase)					No Cost

5. ENVIRONMENTAL AND SOCIAL MONITORING PLAN

7.1 Environmental and Social Monitoring

In order to ensure full compliance of the performed activities to the environmental and social requirements, regular monitoring should be performed. For this purpose, an environmental and social monitoring program has been established for the construction phase to ensure the proper implementation of the environmental and social mitigation measures.

7.2 ESMP Institutional Arrangements

In order to ensure full compliance with the environmental and social requirements which are described above, PMO nominated a qualified engineer to act as the focal point for environmental and social affairs at the central level. On the field level, PMO nominated two engineers in Duhok to act as environmental and social officers. Those engineers will be trained on monitoring and reporting of environmental and social impacts and how to fill the checklist to be used during field visits before implementation starts.

The Resident Engineer will be the officially responsible staff member for ensuring environmental and social compliance. S/He will be assisted by the designated environmental and social field officers.

In addition, a qualified consultant is recruited by the PMO to provide technical assistance and capacity building to the environmental and social team both at the central level and at the field level.

7.3 Reporting requirements

In order to ensure that the mitigation and monitoring measures are being carried out effectively with the required frequency, a clearly defined and regular reporting and response system must be established. The needed frequency of report generation for inspection is to be monthly, and for auditing twice a year, environmental monitoring is once per year.

The information will be made available to the relevant regulatory authorities as required. In addition to the monitoring and reporting requirements documented in the relevant sections of the ESMP, the following reporting regime will be implemented:

- a) All incidents or accidents during the rehabilitation should be reported immediately to relevant authorities.
- b) All corrective measures must be discussed to ensure compliance with laws and regulations.
- c) Reports for personnel training on environmental issues or emergency practices must be produced.
- d) Progress reports, environmental monitoring report and other inspections reports must be produced periodically.

The PMO environmental and social field officers will provide the Resident Engineer with a weekly report briefing their observations and recommendations for action. Whereas the Resident Engineer shall prepare an environmental and social management report on monthly basis to PMO in Baghdad and World Bank Team.

Table 6: Monitoring Activities during Construction Phase.

Receptor		Monitoring Activities	Monitoring Indicators	Frequency	Responsibility	Supervision	Total estimated Cost in US\$
1	Air quality	<ul style="list-style-type: none"> Investigate dust complaints from workers and residents Visual inspection of vehicles and equipment operating or entering the site and Measurements of exhaust emissions (CO, SO_x, NO_x, PM10, PM2.5) 	<ul style="list-style-type: none"> Recorded and documented complaints Record the status of equipment and vehicles on site (excessive black or white smoke) 	<ul style="list-style-type: none"> Daily visual inspection Once every six months 	Resident Engineer	PMT	1,500
2	Noise	Investigate noise complaints from workers and neighboring communities in the affected locations	<ul style="list-style-type: none"> Recorded and documented complaints Recorded tests results 	<ul style="list-style-type: none"> Weekly inspection of complaints Only in case of complains 	Resident Engineer	PMT	1,000
3	Water resources	<ul style="list-style-type: none"> Investigate implementation of mitigation measures and observe any oil or fuel spills. Investigate wastewater disposal measures 	Site Investigation report	Daily Investigation	Resident Engineer	PMT	No cost
4	Soil	<ul style="list-style-type: none"> Observe any soil contamination with oil or fuel Observe any accumulation of wastes 	Site Investigation report	Monthly	Resident Engineer	PMT	No cost

Receptor		Monitoring Activities	Monitoring Indicators	Frequency	Responsibility	Supervision	Total estimated Cost in US\$
5	Solid and hazardous wastes	<ul style="list-style-type: none"> Maintain records on waste types and quantities Observe any waste accumulation in un approved locations 	<ul style="list-style-type: none"> Waste management contracts with authorized contractors Waste delivery receipts from local authorities. 	<ul style="list-style-type: none"> Weekly Weekly 	Resident Engineer	PMT	No cost
6	Health and safety	<ul style="list-style-type: none"> Ensure compliance of workers to Health and Safety requirements Maintain log on incidents and accidents. To ensure worker safety, health insurance must be provided to all types of workers 	Observation report Accidents report	Weekly	Resident Engineer	PMT	No cost
7	Flora & Fauna	Record any observation about wild animals or plants on site or nearby and report to the Environmental Authority	Observation report	Upon occurrence	Resident Engineer	PMT	No cost
8	Topography and landforms	No monitoring required	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
9	Traffic	Ensure speed limits and warning signs are installed	Road signs are installed.	Monthly	Resident Engineer	PMT	No cost
10	Handling Complaints	Ensure that the GRM is effective and well communicated	Number of complaints received, analyzed and responded to.	Weekly	Resident Engineer	PMT	No cost
Total cost US\$ (Operation/Maintenance phase)							2,500

The environmental and social consultant will prepare a monthly environmental and social supervision report after conducting site supervision visits.

On quarterly basis, PMO shall prepare an environmental and social progress report which will be submitted to the international financial institution (WB) for review and disclosure.

7.4 Capacity Development and Resources Requirements

PMO dedicated sufficient human resources to undertake the environmental and social management requirements as explained above. The assigned staff at the central and field levels are competent in the field of engineering and have variable practical experience. For the staff who will be responsible for undertaking the environmental and social tasks, they will require some capacity development.

All construction personnel and contractors are required to undertake appropriate environmental training and induction programs including, importantly, on GRM procedures.

All managers and supervisors will be responsible for ensuring that personnel under their control have the requisite competencies, skill and training to carry out their assigned tasks in accordance with the requirements of the ESMP. They will also be responsible for identifying additional training and competency requirements.

All project supervisors and managers will receive additional detailed training on the use and implementation of the ESMP. The following Table presents the proposed institutional strengthening program and capacity development requirements.

Table 7: Capacity Development Requirements

Capacity development topic		Provider(s)	Duration	Estimated Cost (US\$)
1	Environmental Impact Assessment Environmental and social Management in Construction Sites	Consultant	3 Days	1,500
2	Iraqi Environmental Legal Requirements	Ministry of Environment	1 Day	500
3	World Bank Environmental and Social Safeguards	Consultant	2 Days	1,000
Total Estimated Cost				\$3,000

In order to ensure full compliance of the environmental and social requirements, regular site visits should be conducted. Dedicated office spaces, office equipment and supplies in addition to adequate means of transportation should be made available for the environmental and social management team at the central level and most importantly on the field level. MOP PMO should ensure the allocation of sufficient budget resources to ensure availing the required resources to achieve the required tasks.

6. PUBLIC CONSULTATION

8.1 Consultation Process:

The public consultations were carried out in the ten villages for the upgrade of the roads on 11 and 12 of November, 2019. The public consultations included only men and number of participants was 60 in these villages. Accordingly, a questionnaire was formatted to cover the key environmental and social aspects related to the subproject. The consultation started by providing briefs about the subproject activities, potential impacts and future benefits.

In addition to public consultation, one on one interviews were conducted on 11 and 12 of November, 2019. The formatted questionnaire was then addressed to 17 women and 31 men in the surrounding community randomly to have their opinions and thoughts regarding the construction activities.

8.2 Consultation Results:

All participants in these villages expressed that; the construction/ rehabilitation of these schools will have a positive impact on their social daily life. Please refer to Annex 2 and Annex 3 for sample of public consultations in Broshka village and also sample of individual interviews for both men and women. The full list of participants for public consultations and individual interviews are attached in standalone document to reduce the size of the instrument. As per the questionnaire prepared for individual interview, the below are the main findings.

1. All interviewed locals agreed that the construction / rehabilitation of the schools will have a positive impact from the social perspectives on the locals.
2. No claims from any locals were recorded or alleged regarding the ownership of the land; all agreed that it is governmental land property.
3. No deportation, dislocation of any of the local community will be needed due to these activities. No vegetation covers, crops, plants, trees...etc. will be removed in order to execute the reconstruction activities of these schools.
4. No infrastructure within the project area will be affected negatively due the construction activities.
5. They welcomed to install a hot line to express their suggestion or concern that might happen during the rehabilitation phase.
6. The interests of the locals will not be affected in any way by the reconstruction activities.
7. The rehabilitation of the project will enhance the educational and economic situation of the people via simplifying the ways of getting their education and avoid not to go to other school that might be further to their homes.
8. These subprojects will enhance the social relationship among the locals; improve their achievements and performance.

7. GRIEVANCE REDRESS MECHANISM

The SFD is in the process of establishing a free hotline and is expected to be functioning within the next few months. SFD is planning to set up a digital system with multi-channels for receiving complaints, inquiries, feedbacks or comments like WhatsApp, Facebook, email and complain boxes for each subproject. Additionally, focal points will be assigned at local level and central level to be in charge of handling complaints.

Meanwhile, in order to comply with the WB requirements, SFD has temporarily assigned three staffs as focal points with their cell phone numbers to be disseminated at each subproject level for receiving calls and handling complaints. The contact details will be posted at subproject signboard and the complaint boxes will be installed in each location as shown in the below table.

Table 8: Contact Information for GRM

#	Name	Job Title	Phone Number	E-mail
1	Hezar Rashad Muhammed	IT Engineer	07504745787	hezar_de@yahoo.com
2	Dilshad Khalid Muheey	Engineer	07504799313	hezar_de@yahoo.com
3	Aseel Hazim Hirmiz	Engineer	07504461160	hezar_de@yahoo.com

The process of managing complaints will be as follows:

- 1- Complaints should be sorted out according to complexity;
- 2- Simple inquiries should be resolved on the spot by concerned staff members in 3-6 working days as a maximum and should be documented and archived as per the relevant procedure;
- 3- Complex issues should be investigated and communicated with higher management for final decisions within a timeframe of 20 working days as a maximum;
- 4- After the completion of the proceedings, the complaint is closed, and information is included in the system, including the action(s) taken and the result(s) required; and
- 5- The complainant shall be notified of the result and the action immediately and informed of the possibility of objecting to the procedure.
- 6- Individuals who submit their comments or grievances have the right to request that their name be kept confidential. An anonymous complaint will receive a code and should be investigated appropriately and treated courteously.

In addition to PMO, the MOP, project offices in governorates, and Community Development Groups (CDGs), the World Bank's Grievance Redress System (GRS) can also be approached for reporting and resolving issues.

ANNEXES

Annex 1: Public Consultations Photos



Public Consultations at Broshka Village



Public Consultations at Burji Village



Public Consultations at Atrosh Village



Public Consultations at Baadra Village

Annex (2): Sample of Public Consultation at these five Villages

تقرير فريق الإجراءات البيئية والاجتماعية

محافظة دهوك / قضاء العمادية / ناحية مانكيس / قرية بروشكا سعديني

مشروع ترميم وتجهيز مدرسة بروشكا

وصف مشروع الترميم : يتضمن المشروع تجهيز وتبديل وتركيب ابواب خشبية مع كيلونات وتبديل وصيغ شبابيك وتبديل زجاج ومعالجة شقوق وقلع وترميم قطع سيراميك للحمامات والمغسل .

وصف مشروع التجهيز : يتضمن العمل تجهيز سبورات + حاسبات + رحلات مدرسية .

محضر اجتماع المشروع

- تم اعداد الكشوفات من قبل اللجنة المختصة والمشكلة في الصندوق الاجتماعي للتنمية وبإشراف اللجان المجتمعية في القرية علما ان المشروع من اولويات القرية .
- إن المشروع سيساهم في توفير البيئة الدراسية لطلاب القرية من خلال ترميم المدرسة وتجهيزها بالمتطلبات التربوية التي تلي كافة احتياجات الطالب .
- لا يوجد تعارضات أو تجاوزات على أرض المشروع وكذلك لا يحتاج الى استملاكات أو تعويضات حيث سيتم تنفيذ العمل داخل حدود المدرسة الحالية و أثناء فترة العطلة المدرسية لتتلاقى تزامن العمل في المدرسة مع دراسة الطلاب. إن المشروع يخدم شريحة كبيرة من سكان القرية .
- أكدت اللجنة المجتمعية ان المشروع لا يحتاج الى انشاء طرق بديلة حيث ان المشروع لا يؤدي إلى قطع الطرق الحالية داخل القرية .
- لا يؤثر المشروع على الحياة البرية او البيئة الحيوية المحيطة بموقع المشروع وكذلك لا يؤدي الى قطع الأشجار او رفع المزروعات و لا يؤدي الى تغيير ديموغرافية المنطقة، رغم ذلك نؤكد على ضرورة الالتزام بجميع الاجراءات الوقائية البيئية اثناء تنفيذ المشروع .
- رحبت اللجنة المجتمعية للقرية بوجود خط ساخن للمشروع مع الادارة التنفيذية للصندوق في حال حصول اي عارض.
- المشروع لا يؤثر على الحياة الاقتصادية للمنطقة حيث لا توجد بالقرب من المشروع اي أعمال تجارية قد تتعرض للتوقف نتيجة أعمال المشروع .
- إن المشروع سيساهم في تحسين المستوى التعليمي لسكان القرية من خلال توفير بيئة دراسية مناسبة ومجهزة بكافة مستلزمات الطلبة من سكان القرية .

- ليس للمشروع اي اثار اجتماعية سلبية ولا يؤدي الى اعادة توطين اشخاص او الاضرار باي مواطن وان المشروع سيؤدي الى عدم حاجة الطلاب للالتحاق بمدارس القرى المجاورة والتي يتطلب الوصول اليها قطع مسافات طويلة .
- أكدت اللجنة المجتمعية على دعمها الكامل للمشروع وتقديم أي مساعدة ممكنة للقائمين على المشروع أثناء تنفيذه .
- تم مناقشة أهالي القرية بجميع تفاصيل العمل بالمشروع و الاجابة عن كافة أسألتهم واستفساراتهم إضافة إلى الاستعلام منهم عن المشاكل التي تعاني منها القرية و بين الاهالي ان المشروع سيساعد على ايجاد الحل الناجح لاحدى اهم مشاكل القرية .
- أبدت حكومة دهوك عدم ممانعتها من تنفيذ المشروع و كذلك أعضاء مجلس الناحية لكون المشروع ذو أهمية كبيرة في تحسين الواقع الخدمي للناحية المستهدفة .
- تعتبر المدرسة هي المدرسة الوحيدة في القرية و القرى المجاورة حيث يلجئ إليها طلاب تلك القرى لإكمال دراستهم
- نرفق طياً صور لمنطقة المشروع واللجنة المجتمعية مطبوعة على (CD).
- نرفق طياً استمارات الاستبيان للمشروع عدد (6).
- مواقع GPS للمشروع في القرية .

خط العرض	خط الطول
N 37° 03' 55.16''	E 43° 05' 05.06''

Annex (3): Sample individual interviews for both men and women

(استبيان)

اسم المشروع: **بناء مدرسة 9 صفوف في قرية بيداغا / صرسون**
 الاسم: **احمد متاع صده**
 الجنس: ذكر أنثى
 المهنة: _____

ت	السؤال	نعم	كلا	الملاحظات
١	هل تعتقد ان عملية اعمار المشروع لها اثار ايجابية من الناحية الاجتماعية بالنسبة للسكان القاطنين في المناطق القريبة من المشروع.	<input checked="" type="checkbox"/>		
٢	هل هناك ادعاءات او مطالبات من قبل السكان المحليين بعائدية الارض المقام عليها المشروع؟	<input checked="" type="checkbox"/>		
٣	بسبب اعمال الاعمار ، هل هناك عمليات رفع لمخاصيل زراعية او اشجار او اي غطاء نباتي تعود عائديته لمواطنين او السكان المحليين؟	<input checked="" type="checkbox"/>		
٤	هل تضررت مصالح المواطنين القاطنين بالقرب من المشروع بسبب اعمال الاعمار؟	<input checked="" type="checkbox"/>		
٥	هل هناك اي بني تحتية دائمية او مؤقتة تلعب دورا اساسيا في النشاطات الحيوية اليومية للسكان ستاثر بعملية اعمار المشروع؟	<input checked="" type="checkbox"/>		
٦	هل ان اعمال اعمار المشروع ستسبب باجراءات اعادة توطين لشخص او لاشخاص الي مناطق جديدة؟	<input checked="" type="checkbox"/>		
٧	هل تمت عملية استخدام ارض المشروع من قبل السكان المحليين، علما ان الارض تابعة للدولة؟	<input checked="" type="checkbox"/>		
٨	هل تتوقع وجود تأثيرات اجتماعية سلبية بالمنطقة نتيجة اعمال المشروع؟	<input checked="" type="checkbox"/>		
٩	هل هناك تغيير ديموغرافي او ضرر في النسيج الاجتماعي نتيجة عمليات الاعمار؟	<input checked="" type="checkbox"/>		
١٠	هل يحتاج المواطنون القريبون من المشروع لوضع علامات تحذيرية او استدالات لزيادة معدلات الامان؟	<input checked="" type="checkbox"/>		

التوقيع: _____
 الاسم: **احمد متاع صده**
 التاريخ: 2019 / /

(استبيان)

اسم المشروع: **ترميم مبنى المدرسة في قرية صرسون / ديراالول**
 الاسم: **بيرو رشيد**
 الجنس: ذكر أنثى
 المهنة: **فلاح**

ت	السؤال	نعم	كلا	الملاحظات
١	هل تعتقد ان عملية اعمار المشروع لها اثار ايجابية من الناحية الاجتماعية بالنسبة للسكان القاطنين في المناطق القريبة من المشروع.	<input checked="" type="checkbox"/>		
٢	هل هناك ادعاءات او مطالبات من قبل السكان المحليين بعائدية الارض المقام عليها المشروع؟	<input checked="" type="checkbox"/>		
٣	بسبب اعمال الاعمار ، هل هناك عمليات رفع لمخاصيل زراعية او اشجار او اي غطاء نباتي تعود عائديته لمواطنين او السكان المحليين؟	<input checked="" type="checkbox"/>		
٤	هل تضررت مصالح المواطنين القاطنين بالقرب من المشروع بسبب اعمال الاعمار؟	<input checked="" type="checkbox"/>		
٥	هل هناك اي بني تحتية دائمية او مؤقتة تلعب دورا اساسيا في النشاطات الحيوية اليومية للسكان ستاثر بعملية اعمار المشروع؟	<input checked="" type="checkbox"/>		
٦	هل ان اعمال اعمار المشروع ستسبب باجراءات اعادة توطين لشخص او لاشخاص الي مناطق جديدة؟	<input checked="" type="checkbox"/>		
٧	هل تمت عملية استخدام ارض المشروع من قبل السكان المحليين، علما ان الارض تابعة للدولة؟	<input checked="" type="checkbox"/>		
٨	هل تتوقع وجود تأثيرات اجتماعية سلبية بالمنطقة نتيجة اعمال المشروع؟	<input checked="" type="checkbox"/>		
٩	هل هناك تغيير ديموغرافي او ضرر في النسيج الاجتماعي نتيجة عمليات الاعمار؟	<input checked="" type="checkbox"/>		
١٠	هل يحتاج المواطنون القريبون من المشروع لوضع علامات تحذيرية او استدالات لزيادة معدلات الامان؟	<input checked="" type="checkbox"/>		

التوقيع: _____
 الاسم: **بيرو رشيد**
 التاريخ: 2019 / /