REPUBLIC OF IRAQ

MINISTRY OF PLANNING

Iraq "Social Fund for Development" Project (SFDP)

ENVIRONMENTAL AND SOCIAL MANAGEMENT CHECKLIST

FOR THE

CONSTRUCTION OF
STEEL PEDESTRIAN BRIDGE OVER A WATER COURSE IN
FINJAN AL THAHER VILLAGE

IN AL-MUTHANA GOVERNORATE

20TH FEBRUARY **2020**

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IRAQ: Social Fund for Development Project PART A: GENERAL PROJECT AND SITE INFORMATION

PART A: GENERAL PROJECT AND SITE INFORMATION						
INSTITUTIONAL &	& ADMINISTRATIVE					
Country	IRAQ					
Project Title Construction of a 50 m steel pedestrian bridge over a water course Finjan Al Thaher village in Al-Muthana Governorate PROJECT LOCATION & SITE DESCRIPTION						
PROJECT LOCATION & SITE DESCRIPTION						
Project Location	The project is located in Finjan Al Thaher Village, Al- Muthana Governorate, approximately 275 km south of the capital city of Baghdad. The village is situated on the bank of the Al swear stream (distributary) which is a branch of Euphrates River which is about 40m in width and water level varying from 2-2.5m (winter and summer). Map below shows the project location.					
	Figure 1: Project Location					
	The area adjacent to the subproject site is characterized as rural residential and semi desertic to agricultural in some area. The subproject is located within residential part of the area. The predominant agriculture in the area is the vegetable cultivation. 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 site. There are no close sensitive receptors located to the subprojects site except the stream (distributary) where the subproject will cross over. The pedestrian bridge will help the students to go to their school easily. Currently students are using group of empty barrels to cross the stream which is posing a high risk to them.



Figure 2: Project Site and Adjacent Area

Project Duration

According to contract agreement, the anticipated project duration is 180 days

Proposed Project Activities

The main objective of the project is the construct a pedestrian bridge for people to cross over to the other bank of the stream (distributary) and it has a width of about 55 meters in the project area.

Construction of the pedestrian bridge will include the following activities:

- 1) Preparing the approaches for the pedestrian bridge from both sides of the stream including removing of the debris and materials that might obstruct the activities.
- 2) Install sheet piles in the stream only where the bases of the bridge will be installed to retain water from entering during construction activities.
- 3) Provide equipment necessary for cleaning the riverbed and excavated soil from the river bid will be disposed in authorized

	locations 4) Install steel pillars (12 pillars) in the stream in order to be used as a base for the steel girder (beam) that be installed above them. 5) Provide machinery, materials and equipment to create two iron staircases for the bridge with heir concrete base and also construct a path for small trolleys. 6) Install the guard rail above the bridge and painting.
Land Use and Acquisition	The area adjacent to the project site is characterized as rural residential and semi desertic to agricultural area. However, the construction activities will not cause an impact on agricultural area or make any crop damage. The pedestrian bridge approaches will be built on state land and hence there are no issues related to land acquisition. The implementation activities will not cause relocation of people and any individuals.
Contactor's Camp	The construction of the pedestrian bridge will need about 15-20 worker per day. Workers are expected to be hired locally, however if a construction camp is deemed necessary, it will be installed on vacant state-owned land. The contractor will establish his storage on vacant state-owned land for equipment and material within the area close to the construction area. The construction camp should have independent sources of water and electricity, and the adequate septic tank for sanitary effluent disposal.
PROJECT BASELI	
Geographic Conditions	The terrain is characterized as flat. In the project area the elevation is about 15m asl. No natural land obstacles are presented in the subproject areas. The subproject areas are free of mountains, cliffs, and valleys.
Climate , Air Quality and noise	Al-Muthanna governorate is located in the southern part of Iraq. The governorate's landscape is dominated by desert plains, with only a narrow ribbon of irrigated farmland along the Euphrates River in the north. The major rain falls during the period December thru March, with a spread showering in April. During the year, about 106 mm of precipitation falls annually. In summer temperatures easily surpass 40°C, the average annual temperature is 23.8 °C. The driest weather is in June, July & August, September when no rainfall (precipitation) occurs. While, the wettest weather is in December - March when rainfall (precipitation) occurs. The average monthly wind velocity is 2.3m/s.

	The subproject sites are located in open areas, so the expected								
	oncentration of air pollutants is low. Air pollutants in the villages are aused mainly from movement of vehicles and trucks. Therefore, the								
	mbient air quality is expected to be within the WHO ambient air								
	ality standards.								
	•								
	arrently, there is no traffic congestion and consequently the existed								
	noise level is within the normal levels.								
Hydrogeolo	Flooding of the area near the project has not been reported in the past								
$\mathbf{g}\mathbf{y}$	years. The depth of ground water in the area ranges from 2 to 50 meters.								
Conditions									
	The project area does not contain any globally important habitats or								
Ecology	ecosystems. There are no Nature Reserves or other legally protected								
Conditions	areas in the vicinity of the project or in a close proximity (more than								
	4Km).								
Heritage	There are no sites of historical or cultural importance in the area. There								
Environmen	are no cemeteries, historical-cultural monuments, churches, mosques								
t	near the project that need to be removed or will be impacted due to the rehabilitation activities.								
	The population of the project area is approximately 850. The suggested								
	ea of the pedestrian bridge will be on state land, where no land or								
Social	property expropriation will be necessary. All the areas around the sites								
Aspects	remain clear of any settlement or economic use and are ready for								
Aspects	construction works, no interference is registered from the local								
	community which is eager for the works to be completed. It is important								
	to mention that during the construction of the bridge, it is not expected								
	to cause restriction of access or livelihood impacts.								
LEGISLATION & F	-								
LEGISETITON & I	> The applicable national legislation is as following:								
	The applicable flational legislation is as following. The Law for the Protection and Improvement of Environment								
National &	No. 27, 2009;								
Local	Ministry of Water Resources Law No. 50 of 2008;								
Legislation	➤ Public Health Law No. 89 of 1981, amended by Resolution								
and World	No.54 of 2001;								
Bank	Law no. 37 of 2008 regarding to MoE roles and								
Policies that	responsibilities. > Law No.3,1997 regarding to Environment protection								
Apply to the	 Regulation for the Provision of Water Resources, No. 2, 2001; 								
Project	Regulation for the Protection of Rivers No. 25, 1967;								
	➤ Instructions No. 2 of 2014 on Environmental Protection from								
	Municipal Waste;								

- > Law No. 55. 2002 regarding to Heritage and antiques
- ➤ Law No. 6 of 1988 concerning the National Commission for Occupational Hygiene and Safety;
- Labor Law No. 37 of 2015.
- ➤ The main WB safeguard policies triggered are:
- > 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

PUBLIC CONSULTATION & GRIEVANCE REDRESS MECHANISMS

The public consultations were carried out in the village for construction of pedestrian bridge on 13 of October, 2019. The public consultations included only men and number of participants was 11 in the village. 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 13 of October, 2019. The formatted questionnaire was then addressed to 3 women and 4 men in the surrounding community randomly to have their opinions and thoughts regarding the construction activities.

Consultation Results:

All participants in the village expressed that; the construction of the pedestrian bridge will have a positive impact on their social daily life. Please refer to Annex 2 and Annex 3 for sample of public consultations in **Finjan Al Thaher** 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 activities of pedestrian bridge will serve all the people in the village and have a strong positive impact from the social perspectives on the locals via improve their achievements and performance via simplifying the ways of communications.
- 2) The proposed pedestrian bridge is very important for the residents of the village, especially students that use primitive methods to cross the river when going and returning from schools (represented by a group of barrels linked together), which pose them to a great danger.
- 3) No claims from any locals were recorded or alleged regarding the ownership of the land were the pedestrian bridge will be constructed; all agreed that is governmental land property.
- 4) One of the positive expected effects of the construction of the bridge is the

Public Consultatio n Process

- increase in the number of students who will attend schools, leading to increase in the educational level of village's students.
- 5) The construction of the project will enhance the economic situation of the people via saving transportation fares to achieve their daily requirements.
- 6) They welcomed that there will be a hot line to express their suggestion or concern that might happen during the construction phase.
- 7) The interests of the locals will not be affected in any way by the construction activities.
- 8) No vegetation covers, crops, plants, trees...etc. will be removed in order to execute the construction activities of the pedestrian bridge.
- 9) No infrastructure will be affected negatively due the construction activities and there is no need for alternative roads.
- 10) No deportation, dislocation of any of the local community will be needed due to these activities.

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 temporary 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.

Contact Information for GRM

GRM Process

#	Name	Job Title	Phone Number	E-mail
1	Kabil Hmood	SFD Team	07812542417	Muth_planning@yahoo.c
	Abas	leader	07612942417	om
2	Mohammed	GRM officer	07803008372	Muth_planning@yahoo.c
	Thamer Fitan	Givi officer	07003000372	om
3	Yaser			3.5 .1 .1
	Mohammed	M&E officer	07812542417	Muth_planning@yahoo.c
	Sehood			om

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.

INSTITUTIONAL CAPACITY BUILDING

Will there be any | [X] N or []Y capacity building?

PART B: SAFEGUARDS SCREENING AND TRIGGERS

ENVIRONME	ENVIRONMENTAL /SOCIAL SCREENING FOR SAFEGUARDS TRIGGERS									
	Activity / Typology	Status	Triggered Actions							
	1. Reconstruction of private homes, housing estates, public buildings, or facilities and installations for public services (e.g. substations, water treatment plants, pumping stations or similar)	[X] Yes [] No								
Will the site activity	2. Reconstruction of / impacts on surface drainage system	[] Yes [X] No								
include/involve any of the	3. Activities in Historic building(s) and districts	[] Yes [X] No								
following?	4. Required acquisition of land or temporary / permanent impacts on livelihoods	[] Yes [X] No								
	5. Handling or presence of hazardous or toxic materials	[] Yes [X] No								
	6. Impacts on forests and/or protected areas7. Risk of unexploded ordinance (UXO)	[] Yes [X] No [] Yes [X] No								
	8. Traffic and Pedestrian Safety	[X] Yes [] No	If "Yes", see Part C							

PART C: MITIGATION MEASURES/ CONSTRUCTION PHASE

No.	Potential	Mitigation Measures
	Impacts	
1	General Condition s	 The local construction and environment inspectorates and communities have been notified of upcoming activities The public has been notified of the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the works) All legally required permits have been acquired for construction and/or rehabilitation The Contractor formally agrees that all work will be carried out in a safe and disciplined manner designed to minimize impacts on neighbouring residents and environment. Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots) There is posted material indicating the nearest police station and hospital (with accident and emergency facilities). The contractor must take reasonable steps to prevent unauthorized people accessing the site. Provide a first aid kits in different places of the work site with the appropriate number of materials given the number of workers on site. The workers will be noted about the locations of the first aid kits. Providing extinguishers which distributed within the working area. If work involving the use of flammable materials is being carried out or any other material that might make any danger, stop people smoking and do not allow other work activities involving potential ignition sources to take place nearby. Providing site boundaries (if any) by installing suitable physical boundaries (barriers, tape or fence) The contractor should put up barriers or covers in the area of openings and excavations. Store building materials (such as pipes, manhole rings, and cement bags) so that they cannot topple or roll over. Everyone who works on any site must have access to adequate toilet and washing facilities, a place for preparing and consuming refreshments, and an area for storing a
2	Generatio n, storage, disposal of constructi on, hazard, and domestic waste	 Waste collection and disposal pathways and sites will be identified for all major waste types expected from construction activities. Construction and demolition waste, if any, will be separated from general refuse, organic, liquid and chemical wastes by on-site sorting and stored in appropriate containers. Construction waste will be collected and disposed properly by licensed collectors to authorized area. The records of waste disposal will be maintained as proof for proper management as designed. Whenever feasible Contractor will reuse and recycle appropriate and viable materials Simple waste management plan for specific waste streams must be developed. General waste must be collected and transported to the 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 with sufficient numbers. 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.
3	Hazardou s wastes and materials	1) Hydrocarbons, including lubricants, which will be very limited and resulted just from machines/truck shall be collected for safe transport outside the site for recycling, transport or disposal at approved sites to be nominated by the Municipality and the Ministry of Health and Environment 2) The site will be cleaned from all wastes frequently and wastes will be stored in safe

No.	Potential Impacts	Mitigation Measures
		containers until transported 3) The waste shall be transported by specially licensed Transporters and disposed of in the special areas to be determined by the authority. 4) Paints containing solvents, solvents or lead-based paints shall not be used as per requirements, instructions and coordination with the Ministry of Science and Technology 5) Empty containers of treatment chemicals shall be returned to suppliers.
4	Air quality	 Demolition debris, excavated soil and aggregates shall be kept in controlled area and sprayed with water mist to reduce debris dust when necessary There will be no open burning of construction / waste material at the site. All machinery will comply with Iraqi emission regulations, shall well maintained and serviced and there will be no excessive idling of construction vehicles at sites
5	Noise	 Construction noise will be limited to restricted times agreed to in the permit All the workers will be supplied with fully safety measures including earmuffs.
6	Runoff water and drainage systems	 Procedures will be put in place for rapid response to accidental spills of fuels, lubricants and other toxic or noxious substances, and for their recovery and appropriate disposal Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies There will be no unregulated extraction of groundwater, nor uncontrolled discharge of process waters, cement slurries, or any other contaminated waters into the ground or the water resource.
7	Groundwa ter quality	1) Sewage from construction offices and rest areas will be collected in septic tanks and transferred by trucks to the nearest sewage treatment plant by authorized contractors.
8	Traffic	 In compliance with national regulations, the Contractor will ensure that the construction site is properly secured and construction related traffic regulated. The site will be clearly visible and the public warned of all potential hazards by signposting and barriers / fencing Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement If required, active traffic management by trained and visible staff at the site for safe passage for the public Ensuring safe and continuous access to all adjacent office facilities, shops and residences during construction
9	health & safety conditions	 Provide adequate signage to prevent accidental falling into open areas Fencing of the work areas. The contractor should develop and implement "EHS Procedures". Include Construction OHS Plan (submitted and approved by the Resident Engineer) prior to the start of construction. It will address all the risks anticipated including ,but not limited to: Working in confined space (inside sheet piles), Risk of sinking, Electrocution, and Safety of equipment Deployment of HSE procedures for the construction personnel.
10	Social Impacts	 Reducing impacts on the community through community and neighbour engagement. Provide the proper GRM for handling complaints
11	Child labor and Gender Based Violence	 Rigid obligations and penalties will be added to the contractor contracts in order to warrantee no child labor exist in the subproject The PMO 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). 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.

PART D: MONITORING PLAN/ CONSTRUCTION PHASE

	Potential	Potential Mitigation Measures Impacts		Responsibility		Additional Cost in USD	
No.	Impacts		Monitoring	Implement ation	Monitoring	Mitigation measures	Monitorin g
1	General Conditions	 The local construction and environment inspectorates and communities have been notified of upcoming activities The public has been notified of the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the works) All legally required permits have been acquired for construction and/or rehabilitation The Contractor formally agrees that all work will be carried out in a safe and disciplined manner designed to minimize impacts on neighbouring residents and environment. Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots) There is posted material indicating the nearest police station and hospital (with accident and emergency facilities). The contractor must take reasonable steps to prevent unauthorized people accessing the site. Prohibit the burning of materials on site. Provide a first aid kits in different places of the work site with the appropriate number of materials given the number of workers on site. The workers will be noted about the locations of the first aid kits. Providing extinguishers which distributed within the working area. If work involving the use of flammable materials is being carried out or any other material that might make any danger, stop people smoking and do not allow other work activities involving potential ignition sources to take place nearby. Providing site boundaries (if any) by installing suitable physical boundaries (barriers, tape or fence). Marking excavation holes with physical boundaries (barriers, tape or fence) The contractor should put up barriers or covers in the area 	Bi-monthly: record of all the licenses and permits obtained; Compliance with the HSE requirements	Contractor	Resident Engineer	No additional cost	No additional cost

	Potential	Potential Impacts Mitigation Measures		Responsibility		Additional Cost in USD	
No.			Monitoring	Implement ation	Monitoring	Mitigation measures	Monitorin g
		of openings and excavations. 16) Store building materials (such as pipes, manhole rings, and cement bags) so that they cannot topple or roll over. 17) Everyone who works on any site must have access to adequate toilet and washing facilities, a place for preparing and consuming refreshments, and an area for storing and drying clothing and personal protective equipment (PPE). 18) Contractor to ensure PPE (personal protective equipment) is used by all workers on site. 19) Materials and equipment are tidily stacked, protected and covered where necessary. Additionally, there is adequate space for new materials to be stored in secured covered areas to avoid damage, theft, and to protect these items from weather conditions. 20) Scaffolding for work in elevated areas such as ceiling painting should comply with the OSHA "General Requirements for Scaffolds §1926.451" 21) Appropriate signposting of the sites will inform workers of key rules and regulations to follow. The contractor should provide full coverage of workers with social and health insurance.					
2	Generation , storage, disposal of constructio n, hazard, and domestic waste	 Waste collection and disposal pathways and sites will be identified for all major waste types expected from rehabilitation activities. Construction and demolition waste, if any, will be separated from general refuse, organic, liquid and chemical wastes by on-site sorting and stored in appropriate containers. Construction waste will be collected and disposed properly by licensed collectors to authorized area. The records of waste disposal will be maintained as proof for proper management as designed. Whenever feasible Contractor will reuse and recycle appropriate and viable materials Simple waste management plan for specific waste streams must be developed. General waste must be collected and transported to local 	Weekly site inspections and verifying the records on waste disposal	Contractor	Resident Engineer	No additional cost	No additional cost

	Potential	Potential Mitigation Measures Impacts		Responsibility		Additional Cost in USD	
No.	Impacts		Monitoring	Implement ation	Monitoring	Mitigation measures	Monitorin g
		council approved disposal sites. 8) Food wastes must be collected, where practicable, considering health and hygiene issues, for disposal off-site through licensed contractors. 9) Waste containers must be located at each worksite with sufficient numbers. 10) 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.					
3	Handling of hazardous wastes and materials	 Hydrocarbons, including lubricants, which will be very limited and resulted just from machines/truck shall be collected for safe transport outside the site for recycling, transport or disposal at approved sites to be nominated by the Municipality and the Ministry of Health and Environment The site will be cleaned from all wastes frequently and wastes will be stored in safe containers until transported The waste shall be transported by specially licensed tankers and disposed of in the special areas away from the city to be determined by the paddies. Paints containing solvents, solvents or lead-based paints shall not be used as per requirements, instructions and coordination with the Ministry of Science and Technology 	Weekly site inspections and verifying the records on waste disposal	Contractor	Resident Engineer	No additional cost	No additional cost
4	Deteriorati on of air quality	 Demolition debris, excavated soil and aggregates shall be kept in controlled area and sprayed with water mist to reduce debris dust During pneumatic drilling or breaking of pavement and foundations dust shall be suppressed by ongoing water spraying and/or installing dust screen enclosures at site The surrounding environment (sidewalks, roads) shall be kept free of soil and debris to minimize dust There will be no open burning of construction / waste material at the site. All machinery will comply with Iraqi emission regulations, shall well maintained and serviced and there will be no excessive idling of construction vehicles at sites 	Ambient air quality test, 1 time prior to construction to obtain the baseline Air quality parameters: PM10, PM2.5, SO2, NOx, CO, Ozone and HC Compliance with dust abatement measures	Contractor	Resident Engineer	Additional cost of water 500	Testing done by accredited Laboratori es. Additional cost 750 US

	Potential			Responsibility		Additional (Cost in USD
No.	Impacts	Mitigation Measures	Monitoring	Implement ation	Monitoring	Mitigation measures	Monitorin g
5	Increased level of noise	 Construction noise will be limited to restricted times agreed to in the permit All the workers will be supplied with fully safety measures including earmuffs. Compliance with the time limitations; Switching off the equipment not in use; Use of protective gear 	Weekly site inspection	Contractor	Resident Engineer	No additional cost	No additional cost
6	Disruption of the runoff water and drainage systems	 Procedures will be put in place for rapid response to accidental spills of fuels, lubricants and other toxic or noxious substances, and for their recovery and appropriate disposal Construction vehicles and machinery will be washed only in designated areas where runoff will not pollute natural surface water bodies There will be no unregulated extraction of groundwater, nor uncontrolled discharge of process waters, cement slurries, or any other contaminated waters into the ground or adjacent streams or rivers; 	Weekly site inspection during rainy season; Bi-weekly site inspection during dry seasons: Alteration of water courses; Signs of spillage of hazardous materials Testing in case of accidental spills of hazardous materials	Contractor	Resident Engineer	additional cost: contingenc y for removal of accidental hazardous spills 1000 US \$	No additional cost
7	Deteriorati on of groundwat er quality	Sewage from construction offices and rest areas will be collected in septic tanks and transferred by trucks to the nearest sewage treatment plant	Weekly site inspection during rainy season; Bi-weekly site inspection during dry seasons Water testing: in case of accidental spills of hazardous materials: pH, Turbidity, (EC), Color, Total Suspended Solids (TSS), (TDS), (COD), (BOD),	Contractor	Resident Engineer	No additional cost	Testing done by Accredited Laboratori es. Additional cost 500 US \$
8	Disruption of traffic	 In compliance with national regulations the Contractor will insure that the construction site is properly secured and construction related traffic regulated. The site will be clearly visible and the public warned of all 	Monthly site surveillance for the presence of fencing/barriers and	Contractor	Resident engineer PMO	No additional cost	No additional cost

No.	Potential Impacts	Mitigation Measures	Monitoring	Responsibility		Additional Cost in USD	
				Implement ation	Monitoring	Mitigation measures	Monitorin g
		potential hazards by signposting and barriers / fencing 3)Traffic management system and staff training, especially for site access and near-site heavy traffic. Provision of safe passages and crossings for pedestrians where construction traffic interferes. 4)Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement 5)Ensuring safe and continuous access to all adjacent office facilities, shops and residences during construction	warning signs, and traffic speed limitations				
9	Deteriorati on of health & safety conditions	 Provide adequate signage to prevent accidental falling into open areas Fencing of the work areas. The contractor should develop and implement "EHS Procedures". Include Construction OHS Plan (submitted and approved by the Resident Engineer) prior to the start of construction. It will address all the risks anticipated including, but not limited to: Working in confined space (inside sheet piles), Risk of sinking, Electrocution, and Safety of equipment. To ensure worker safety, health insurance must be provided to all type of workers Deployment of HSE procedures for the construction personnel 	Inspection and photo evidence Maintaining records of injuries and accidents with cause and location	Contractor	Resident engineer	No additional cost	No additional cost
10	Social Impacts	Reducing impacts on the community through community and neighbour engagement. Provide the proper GRM for handling complaints	Weekly monitoring of response to complaints	Contractor	Resident Engineer	No additional cost	No additional cost
11	Child labor and Gender Based Violence	 Rigid obligations and penalties will be added to the contractor contracts in order to warrantee no child labor exist in the subproject The PMO 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). 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 	Inspection and Bi- weekly monitoring	Contractor	Resident Engineer	No additional cost	No additional cost

No.	Potential Impacts	Mitigation Measures	Monitoring	Responsibility		Additional Cost in USD	
				Implement ation	Monitoring	Mitigation measures	Monitorin g
		proper health insurance	_				
		4) 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.					
		Expected additional mitigation cost	s:			USD 1500	
Expected monitoring costs: USD:						USD 1500	

ANNEXES

Annex 1: Public Consultations Photos



Annex (2): Public Consultation at Finjan Al Thaher Village

تقرير فريق الاجراءات البينية والاجتماعية

محافظة المثنى / قرية فنجان ال ظاهر

مشروع (إنشاء جمر مشاة حديدي على نهر السوير في قرية فنجان ال ظاهر)

وصف المشروع : إنشاء جسر مشاة حديدي على نهر السوير في قرية قنجان ال ظاهر بطول 56 م

محضر إجتماع المشروع

- 1. تم اعداد الكشوفات من قبل اللجنة المختصة و المشكلة في الصندوق الاجتماعي للتنمية وبباثراف اللجنة المجتمعية في القرية علما أن المشروع هو الولوية القرية الثانية.
- 2. جسر المشاة المطلوب تشييدة مهم جداً جدا لسكان القرية وخاصة طلبة المدارس التي تستخدم الطرق البدائية لعبور النهر عند الذهاب والعودة من المدارس (المتطلة بمجموعة من البراميل المربوطة معا) والتي تشكل خطراً كبيراً عليهم و قد يؤدي الى غرقهم في حالة عدم معالجة هذا الموضوع.
- 3. إن المشروع سيساهم في تحسين الواقع الاجتماعي والاقتصادي للغرية من خلال توفير الطرق الملائمة لتنقل المواطنين داخل الغرية وتقليل الاخطار والاعباء الاقتصادية وغيرها بالاضافة الى توفير خدمة تنقل طلاب المدارس والمواطنين وممارسة حياتهم اليومية من خلال توفير جسر للمشاة .
- 4. لا يوجد تعارضات أو تجاوزات على أرض المشروع وكذلك إن المشروع لا يحتاج الى استملاكات أو تعويضات حيث يقع المشروع على نهر السوير و على اكتاف النهر و هى مواقع تابعة للدولة مخصصة للنفع العام.
- إن المشروع يغدم جميع سكان القرية دون استثناه و بطرافيها الواقعين على جانبي
 النبور.
- اكتت اللجنة المجتمعية أن المشروع لا يحتاج الى انشاء طرق بديلة حيث أن المشروع لايودي الى قطع الطرق الحالية .
- 7. لا يؤثر المشروع على الحياة البرية او البينة الحيوية المحيطة بموقع المشروع وكذلك لا يؤدي الى قطع الاشجار او رفع المزروعات و لايودي الى تغيير ديموغرافية المنطقة، رغم ذلك نؤكد على ضرورة الالتزام بجميع الاجراءات الوقائية البينية الثاه تنفيذ المشروع.
- رحبت اللجنة المجتمعية للقرية بوجود خط ساخن للمشروع مع الادارة التنفيذية للصندوق في حال حصول اي عارض.
- و. المشروع لايؤثر على الحياة الاقتصادية للمنطقة حيث لا توجد بالقرب من المشروع اي
 اعمال تجارية

10. المشروع لميس له تاثير بيني سلبي لكونه واقع على النهر و لا يؤدي الى الاضرار بالبينة الحيوية للمنطقة و هو بديل للمارسة خاطنة لها اثار بينية سلبية .

- 12.وجيَّت اللَّجِنَّة المجتمعيَّة شكرُها للقانمين على المشروعُ لَمَّا له مَن اهمية كبرى في الحفاظ على حياة المواطنين كافة و الطلاب خاصة .
- 12.من الاثار المتوقعة الانشاء الجمر ارتفاع عدد الطلاب الذين سيرتادون المدارس و زيادة المستوى التربوي و التعليمي لطلاب القرية و تقليل الاصبابات و المخاطر .
- 13. ليس للمشروع اي الله الجماعية سلبية بل العكس فان المشروع سيودي الى زيادة التواصل بين اهالي القرية على جانبي النهر معا يودي الى زيادة التماسك و الترابط العاشى.
- 14.ليس المشروع اي ثائر اقتصادية سلبية بل العكن سينمي المشروع العشروعات التجارية على جانبي القرية .
- 15.اكنتُ اللجنة المجتمعية أن المشروع لا يودي الى اعادة توطين اشخاص اوالاضرار باي مواطن بل العكس .
- 16.اكنت اللجلة المجتمعية انه لاتوجد بنى تحتية في موقع المشروع يمكن ان تتضور جراء صليات المشروع .
- 17. مناقشة اهالي القرية بجميع تفاصيل العمل بالمشروع و الاجابة عن كاقة اسالتهم و استفساراتهم اضافة الى الاستعلام منهم عن المشاكل التي تعاني منها القرية و بين الاهالي ان المشروع سيساعد على إيجاد الحل الناجع لاحدى اهم مشاكل القرية
 - 18. نرفق طياً صور لمنطقة المشروع واللجنة المجتمعية مطيوعة على (CD) 19. نرفق طيا استمارات الاستيهان للمشروع عدد (4)

خط العرض	خط الطول
31.21'31.08"N	45.23'3.70"E

التوقيح	IV.	النشق
ly	ساحث تزهود عيد /عنداللي	-1
4	عدران برعيان جنيري بمعتراسي	+.6
4	شعيولم جثنير يدعن	-4,
2 46	محسن سليوح عيل	- 1
200	رميسان يجاي عيثر الاعقراليم	- 0
The P	حتون حيد / عنوالمجذ	-7
20)	تراحل سعيطات جيل ار عقوا للحية "	- 7
E	علي امير نشدار / عسراهد	- ^
1	همسي مشية عفاله	- 44
20	ستار قائما ن کا هر / عنز	4X.
ALL	علادي عكروش عبد / عسر	+1)
		1

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

