



YEMEN INTEGRATED URBAN SERVICES EMERGENCY PROJECT (YIUSEP II)

Component 1 Service Restoration
Sub-Component 1.1 Tertiary Municipal Services and Solid
Waste Management

Environmental and Social Management Plan (ESMP)

Stone Paving Group Sub-Projects in Urban Areas
Dhamar, Abyan, Al Dhalea Governorates

28 June 2022

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Abbreviations

BOQs	Bills of Quantities
CoC	Code of Conduct
CHM	Complaint Handling Mechanism
COVID-19	Coronavirus disease
E	East
E&S	Environmental and Social
EHS	Environmental, Health, and safety
ESMF	Environmental and Social Management Framework
ESMP	Environmental and Social Management Plan
ESPECRP	Emergency Social Protection Enhancement and COVID-19 Response Project
ESR	Environmental and Social Responsiveness
GBV	Gender Based Violence
GRM	Grievance Redress Mechanism
HQ	Head Quarter
IBAs	Important Birds and Biodiversity Areas
IDP	Internal Displaced Persons
IDs	Personal Identifications Cards
N	North
O&M	Operation and maintenance
OHS	Occupational Health and Safety
PPEs	Personal Protective Equipment's
PWP	Public Works Project
SEA	Sexual Exploitation and Abuse
SEP	Stakeholder Engagement Plan
SFD	Social Fund for Development
SH	Sexual Harassment
SRM	Stakeholder Response Mechanism
TPM	Third Party Monitoring
UNDP	United Nation for Development Programme
UNICEF	the United Nations International Children's Emergency Fund
US	United States of America
WASH	Water, Sanitation, and Hygiene
WBG	World Bank Group

Executive Summary

The Environmental and Social Management Plan (ESMP) for the Stone Paving Sub-Project, under Public Works Project (PWP) in Urban Areas, is prepared based on the Environmental and Social Management Framework (ESMF) for YIUSEP II. The ESMF was prepared by UNOPS to meet the requirements of the World Bank's Environmental and Social Framework (ESF), UNOPS requirements and the national environmental laws and regulations requirements.. This ESMP is prepared under INTEGRATED URBAN SERVICES EMERGENCY PROJECTII.

Project Description (section 2): PWP is going to implement stone paving sub-projects in urban areas. The subprojects will provide opportunities during implementation for skilled and unskilled workers from the local communities and IDPs which will reduce the economic effects due to the Covid-19 pandemic and generate positive impacts on the economy, education, and health in the targeted areas as well as enhance the community's protection and resilience.

ESMP Budget: The estimated costs of ESMPs implementation will differ from one sub-project to another but the total average estimated cost of this ESMP will be 49,000 US\$, some of this amount will be part of the subproject contracted costs such as PPEs, Covid-19 requirements, and providing latrines in sites; another cost, staffing, consultations, and awareness materials, will be covered from the safeguarding budget that is mentioned in the ESMF.

Environmental and Social Baseline Conditions (section 3): In this section, the existing situation from the perspective of the environment and the social aspects is reflected. The baseline includes a description of the rainfall, climate, and weather, air quality and noise and the targeted beneficiaries numbers.

Environmental and Social Impacts Assessment (section 4): the applicability and Eligibility (Responsive Criteria) is going to be described in addition to the environmental and social screening that may reflect the impacts of the implementation of the subproject on the targeted areas.

Environmental and social impact analysis plan and mitigation measures (section 5): a detailed analysis of the environmental and social impacts and the suitable mitigation measures will be assigned. The workers' occupational health and safety measures are studied and analyzed as well.

Environmental, social, and OHS clauses and liabilities for contractors (section 6): the contractor conditions to be eligible to comply with the environmental and social procedures in this ESMP will be represented in addition to their clauses and liabilities.

Environmental and social monitoring plan (section 7): this section reflects the monitoring actions that will be taken in the implementation of the mitigation measures, their indicators, responsibilities, and monitoring time frame.

Stakeholder engagement plan and public consultation (section 8): according to WB ESF standard No. 10, we will represent an overview of the stakeholders who were engaged in the project preparation process and the public consultation that was conducted as well. In addition to the consulted people finding, feedbacks, and how to ensure the sustainability of the

intervention by reflecting the ownership of the subproject to the community. Moreover, the plan on how the stakeholders will be engaged during the implementation are described as well.

Grievance Mechanism (section 9): this section summarizes the ways of handling Complaints in PWP and the process of Complaint recording and solving. Also, PWP's complaints receiving methods.

1. Introduction:

Under the umbrella of IUSEPII environmental and social management framework ESMF was prepared to meet the requirements of the WB ESF, PWP. The said ESMF is the bases under which this environmental and social management plans (ESMPs) for all the sub-projects proposed to be implemented is prepared. In these ESMPs, PWP considers all the environmental and social aspects within the sub-projects range and the impacts and risks that may emerge due to the implementation. PWP reflects its methodology in dealing with and managing these environmental, social, and occupational health and safety OHS impacts and the procedures that PWP requires to the different implementation parties as well.

In this ESMP, the subprojects fall under the stone paving sector and consist of paving urban secondary streets with stones and concrete that will be implemented in different governorates in Yemen. PWP will invest 750,000US\$ to complete the civil works of these sub-projects. The sub-projects will be implemented by contractors. PWP completed its field visits in January of 2022 in which the stakeholder and public were consulted and engaged to ensure the sustainability of these interventions. The risk rating under this ESMP sub-projects is moderate.

Name of the Subproject:	Stone Paving in Urban Areas
Subprojects ID:	09-5-11481, 09-5-15545, 12-5-11514, 12-5-15546, 20-5-14128.
Subprojects Locations	Dhamar, Abyan, Al-Dhalea Governorates
Sector and Type of Subproject:	Secondary Streets Stone Paving
Implementing of the Subproject:	PWP
Estimated Cost of Subprojects:	\$ 750,000
Field Visit (Yes/No; Include Date):	Yes, January 2022
Was Consultation Carried out? (Yes/No):	Yes, Refer to Public Consultation Section
Proposed Class of Subproject (Low to High):	Moderate

Table 1 introduction general information

2 Project Description:

The subprojects are to implement stone paving in secondary urban streets in different governorates in Yemen. The subprojects will include paving a total area of 30,768.9 m² of the secondary streets. The stone paving sub-projects will follow the current secondary streets' existing footprints. The work will be implemented section by section in a short period in coordination with local communities and local authorities. The street's average width is 8.46 m, and the targeted total length is 4,064.63 m. The total estimated number of direct and indirect beneficiaries that will benefit from these subprojects are 8,569 person of which 4,015 are men and 4,384 are women. The subprojects will be implemented through contracting modality and the implementation period varies between four to six months based on the work size which will be different from area to area depending on needs. The total cost of subprojects is \$ 700,000. Contractors will hire the workforce from the targeted areas. Giving the fact that some parts of the activities require skilled labors, thus these tasks will be undertaken by appropriately skilled workers from the targeted areas and when not available, the contractors will hire skilled laborers from nearby areas. Each stone paving work contract will maximize the use of manual labor to support local employment and provide incomes for local communities during the subprojects implementation period. These sub-projects will facilitate mobility, enhance the living environment and conditions for targeted communities, and improve access and road safety. The subprojects will provide safe roads for targeted communities, facilitating their transportation and contributing to enhancing the economy in the targeted areas as well as will provide work opportunities during implementation for skilled and unskilled workers from local communities as well as for displaced people to reduce the economic impacts from the Covid-19 pandemic and will generate positive impacts on the economy, education, and health in the targeted areas. Also, the sub-projects will enhance the community's protection and resilience. The contractor will be responsible to protect its workers and communities during implementation and apply the ES mitigation measures and provide the required training, tools, and necessary PPEs for workers.

2-1 Scope of Work:

This ESMP is prepared for a group of urban stone paving subprojects because they encompass similar activities, and they are small-scale sub-projects. The sub-projects will follow the existing footprints of the current streets and will follow the same path. The activities will require stones for pavement in urban areas that will be bought from local markets. .

The subprojects activities will include but are not limited to the following:

Stone Paving in Urban area (all subprojects)

- Excavation to the level of base course (40-50cm) with taking care and protecting underground services.
- Levelling and compaction work with proper materials.
- Cutting of remaining asphalt in some locations.
- Adjusting manholes level when required.

- Transporting paving stones from the market, and other construction materials to the worksite.
- Mixing the concrete.
- Implement a 10 cm plain concrete under the stone paving.
- Implement the stone paving ¹with cement mortar by using manual equipment and tools.
- Implementing paving footpaths.
- Implement reinforced concrete beams at the end of the paving to protect the paving.
- Collecting and transporting construction residues to areas appointed by local authorities.²
- Planting native non-invasive trees³ on the footpaths in each section of the sub-projects.

Sewerage network in projects Nos. 12-5-11514 and 12-5-15546

- Excavation works for sewerage network for depth less than 2m
- Supply and pipeling of , 250mm uPVC pipes and with a pressure of 10 BAR
- Implement inspection chambers at 80x80cm by solid block. Rehabilitate the existing manholes in the network with depths less than 2m.backfilling with compaction and spraying water for the pipelines after completion.

Closed rainwater drainage canals: 20-5-14128⁴

- Excavation (1.5-2m) for storm water drainage and stone side wall
- Implement a 10 cm plain concrete under the channel ground stone paving .
- Implement the stone paving ⁵with cement mortar by using manual equipment and tools for the ground of the channel.
- Building masonry walls with mortar for the drainage canal sides.
- Supply and install precast concrete cover for storm water drainage network

¹ 1 The standard stones dimensions are (25*30*30) cm, the source of stones is from the local market. The type of stones usually are igneous ormetamorphic rocks, and the estimated cost of the stone is 0.8 US\$ after formulation.

² 2 construction residues will be collected and transported and disposed to the authorized location in coordination with the local authorities.

³ 3 Tree planting is included as a priced item in the Bills of Quantities priced by the contractor for every subproject, as positive Environmental improvement measure. Contractor will deliver the plants from local Nurseries trees, and numbers of trees/saplings will differ from one road to another as per the site engineer recommendations, as described in the BOQs of each subproject. Location of tree planting will be in suggested locations by Project engineers.

⁴ 4 The channel will be built as follow: masonry walls for the sides, plain concrete with stone paving for the channel ground, and precast concrete slab for the cover of the channel.

⁵ 5 The standard stones dimensions are (25*30*30) cm, the source of stones is from the local market. The type of stones usually are igneous ormetamorphic rocks, and the estimated cost of the stone is 0.8 US\$ after formulation.

The following table shows names of subprojects, the area of stone paving and average estimated costs for each sub-project

No	Subproject ID	Subproject Name	Governorate	Road Length (m)	Average width ⁶ (m)	Area of paving (m ²) ⁷	Estimated Cost US\$	Average estimated cost for ESMP Implementation US\$ ⁸	stimulated/planned No. of Labour ⁹
1	09-5-11481	Stone paving for ALSOLA'A neighborhood and ALMAHAL neighborhood (phase 1-A),	Dhamar	375	8.2	4381 3610 3520.4	120,000	7% (8,400)	198
2	09-5-15545	Stone paving for ALSOLA'A neighborhood and ALMAHAL neighborhood (phase 1-B),	Dhamar	390	9.1	5736 5736 3530.7	130,000	9,100	215
3	12-5-11614	Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa-A, Zinjibar,	Abyan	789.13	7.2	1217 2434 st 1468 int	120,000	8,400	198
4	12-5-15546	Stone paving of middle road from Nasher Studio to Al-	Abyan	959	6.3	1217	130,000	9,100	215

6 the design width is the same as existing width of targeted streets, hence the design width will not require additional land

7 The area of paving was calculated by using ground survey (Total Station). The width of the streets is an Average which differ from on street to another and some time differ along in the same street. As a result when multiplying the width with the length we will not have the area mentioned accordingly.

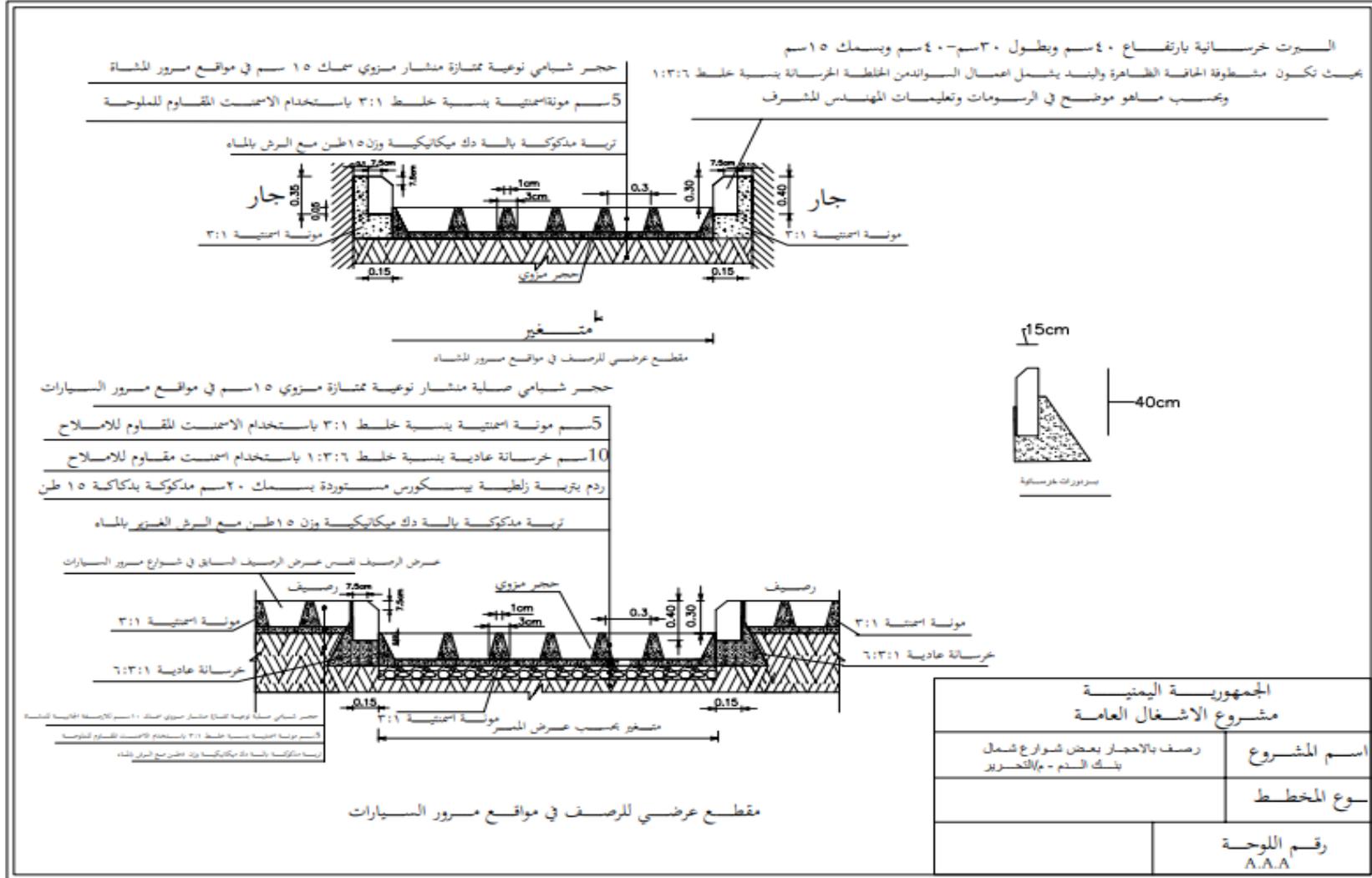
8 The estimated costs of ESMPs implementation will differ from sub-project to another. Some of these expenses will be part of the subproject-contracted cost such as PPEs, Covid-19 requirement, and providing latrines in sites; other cost, staffing, consultations, and awareness materials, will be covered from the safeguarding budget that is mentioned in the ESMF.

		Haferah Factory + Faisal house to Al-Aqsa-B Zinjibar,				5431int			
5	20-5-14128	Stone paving for Post Office area and Al-Nasser Hospital neighborhoods (phase2),	Al-Dhalea	450	11.5	4350.9	200,000	14,000	331
Total				4064.63	Av=8.46	30768.9	700,000	49,000	1157

Table 2: shows the length, width, and area of stone paving

Typical Drawings:

Figure 1 is a typical cross-section for stone paving with cement mortar in urban areas. This will be used as a typical design for the proposed stone paving activity, it included the different layers of the pavements.



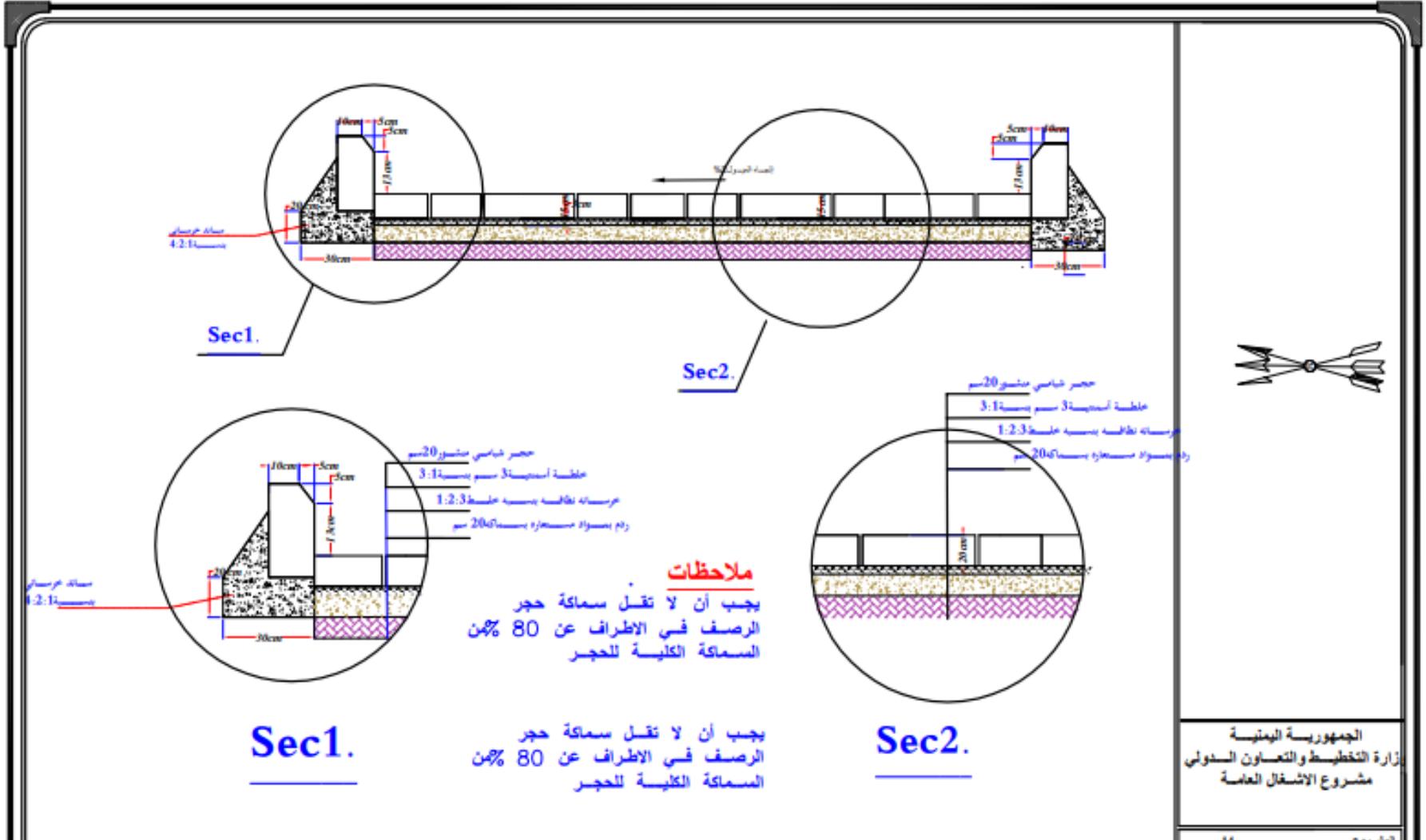


Figure 1: typical cross-section for stone paving with cement mortar

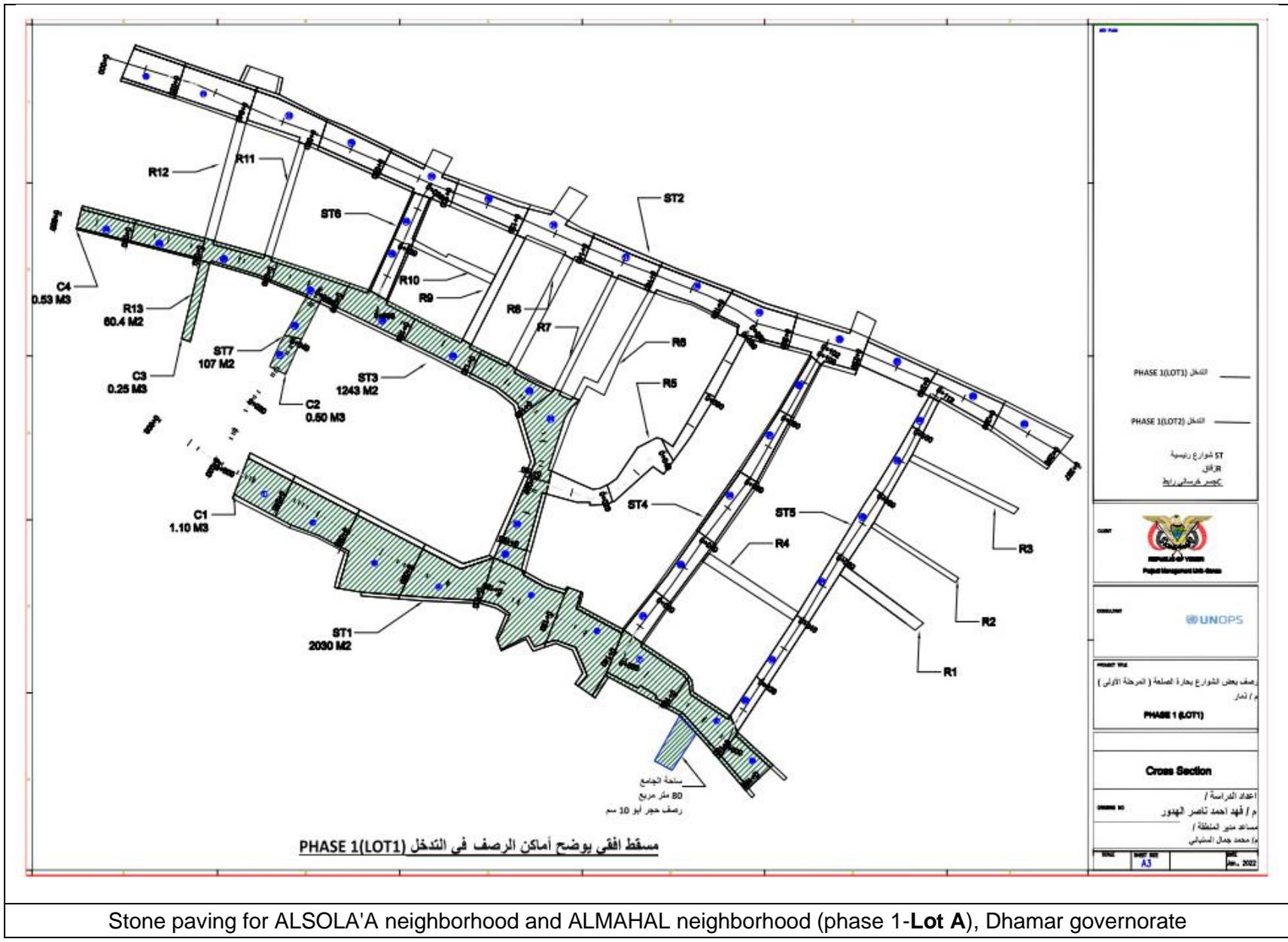
2-2 Location:

The subprojects will be implemented in different governorates namely in Dhamar, Abyan, and Al-Dhalea governorates. The land formation in the targeted areas is semi-rocky, clay, sandy, and graduated soil.

Coordinates of the Location:

Governorate	Subproject-ID	District	E	N
Dhamar	09-5-11481	Stone paving for ALSOLA'A neighborhood and ALMAHAL neighborhood (phase 1- Lot A),	44°24'8.93"E	14°33'20.08"N
Dhamar	09-5-15545	Stone paving for ALSOLA'A neighborhood and ALMAHAL neighborhood (phase 1- Lot B),		
Abyan	12-5-11614	Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa- Lot A , Zinjibar,	45°22'45.92"E	13° 7'51.11"N
Abyan	12-5-15546	Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa- Lot B Zinjibar,		
Al-Dhalea	20-5-14128	Stone paving for Post Office area and Al-Nasser Hospital neighborhoods (phase2),	44°44'7.01"	13°42'13.14"

Table 3: subprojects coordinates



PHASE 1(LOT1) _____

PHASE 1(LOT2) _____

ST شوارع رئيسية
R اقاق
C حوض خزانة ربط



UNOPS

PHASE 1(LOT1)
رصف بعض الشوارع بحجارة الصلابة (المرحلة الأولى)
م / أ / تمار

Cross Section

اعداد الدراسة /
م / فهد احمد ناصر الهذوري
مساهم مدير المنطقة /
د / محمد جمال المنبالي

SCALE: 1:1000
SHEET NO: A3
DATE: Jan., 2022

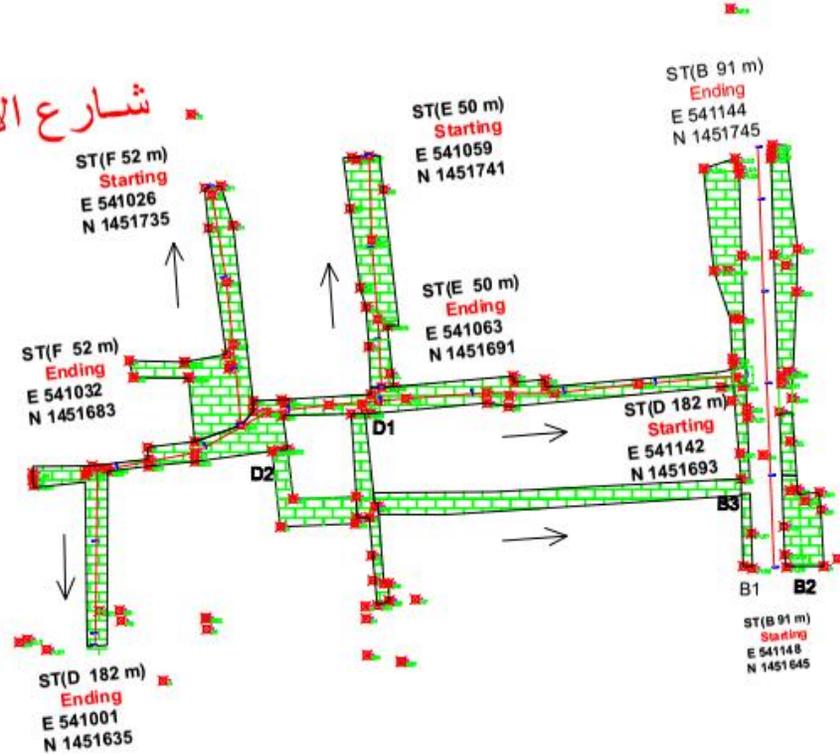
Stone paving for ALSOLA'A neighborhood and ALMAHAL neighborhood (phase 1-Lot A), Dhamar governorate



شارع الاقصى

مبني مديرية
زنجرار

استديو
ناشر



General Notes

رصف الجزر من
استديو ناشر
حتى مصنع
الحافره ومن
منزل قبصل
حتى شارع
الاقصى
مرحلة اولي
م- زنجار- ايسن

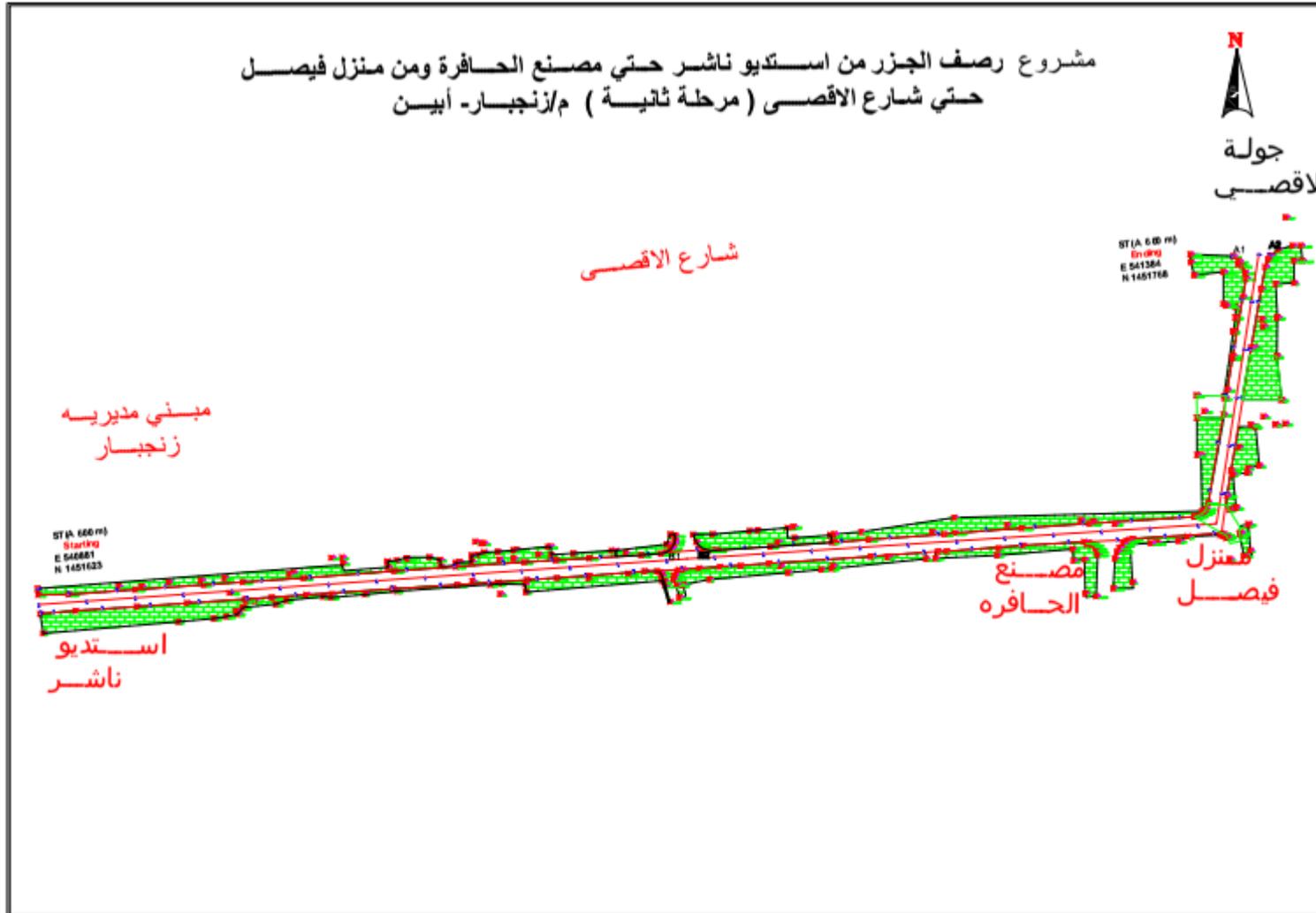
No. Revision/Phase Date



Republic of Yemen
PUBLIC WORKS PROJECT
Project Management Unit
Geometrical Design

Page: 1
Date: 06.02.2022
Scale: 1:200

Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa- Lot A, Zinjibar, Abyan governorate



Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa- Lot B Zinjibar, Abyan governorate

3 Environmental and Social Baseline conditions:

Yemen is divided geographically into four main regions: the coastal plains in the west, the western highlands, the eastern highlands, and the Rub' al Khali Desert in the east. The benefits of these sub-projects include easing the reaching to services, raising the income of beneficiaries, raising the health situation in the area, and improve the education for children and women which are applicable for the urban roads to be implemented. The subprojects will be implemented in Dhamar, Abyan, and Al-Dhalea governorates.

Dhamar governorate is located to the south of the capital Sana'a, about 100 kilometers away with an area 495 km². The population of the governorate is about 1,603,000 persons according to the 2011 Yemeni census, which accounts for 5% of the total population of Yemen. Administratively, Dhamar governorate has 12 districts, and Dhamar city is the capital of the governorate. Socioeconomic profile in Dhamar is represented by agriculture, animal husbandry, and bee farming. Al-Salaah area is situated in Dhamar city, north of Sooq Al-Raboa, beside school omar bin abdulaziz, This neighborhood has service facilities and integrated infrastructure, but due to the current circumstances, all services have been disrupted. The area is made up of soil and rocky streets and during the rain the neighborhood turns into ponding of water, which portends an environmental disaster, not to mention piles of garbage piled everywhere, which makes the population vulnerable to diseases and epidemics. This may interups the movement of vehicle and people.

Abyan governorate is located to the southeast of Aden with an area of 16,943 km². The population of the governorate is about 433,819 people in 2004 with 11 directory. It is located in the coastal area between Aden and Shabwah. It has a coastal climate with a warm day and night, typical of Yemen coastal area, rain is concentrated in spring and summer, with a dry gap between the two rainy seasons. April, July, and August are the only months with significant precipitation. Socioeconomic profile in Abyan is represented by agriculture, animal husbandry, bee farming, fishing, craft industries, trade, and different industries. Zinjubar is the capital of Abyan govornorte far from Aden by about 60km, 5m above sea level, The project is located in parallel with Al Aqsa Street and the importance of this project lies in putting an end to the water collected from rainwater and gray water coming out of the houses that gather in the streets and form a suitable environment for diseases and odors.

Al-Dhalea governorate is located near the center of the country, south of Sana'a by 250km from Sana'a between Yarim and Lahj at about 80km from Lahj. Its population, according to the 2004 Yemeni census, was 470,564 with an annual growth of 3.55%. It has 9 directories with an area of 4,099km². Socioeconomic profile in Al-Dhalea is represented by agriculture, animal husbandry, and craft industry. A mountainous area where rainfall is flushing and causes damage of roads as the rainwater drainage are not enough, which leads to the ponding of water in the streets and causes the spread of diseases in the area.

3.2 Hydrology:

The sub-projects will be located on existing streets in urban cities. , From the technical study, there is no change in the runoff patterns that may cause harm in stone paving interventions, and no close wadis, no close surface water, no close ground water in Abyan subprojects that can be contaminated by the new sewage network. The new sewage network system for sure will be examined to ensure no leakage where it will be implemented from UPVC pipes and very well precast concrete manholes.

3.3 Cultural Heritage:

The districts that subprojects are located in have not any archaeological sites. The subprojects are located at limited scope which is away from any heritage sites. However, the contracts will include provisions about find chance procedures and the training of staff/supervisors to deal with the emergence of any potential archaeological discoveries, including the need to contact the Antiquities Department in the Ministry of Tourism and the local council to assess the situation quickly.

3.4 Rainfall, Climate, and Weather:

The climate of Yemen can be described as a subtropical dry, hot desert climate with low annual rainfall, very high temperatures in summer, and a big difference between the maximum and minimum temperatures, especially in the inland areas. The average annual rainfall is less than 200 mm although the high mountain areas, where the population is concentrated, receive about 250-400 mm and more, with peaks of 1000mm in the highlands. Surface water is taken from wadis during floods mainly in two rainy seasons, April – May, and July – September. Rainfall has generally a bimodal pattern with two rainy seasons, the first is during April, March, and May, and the second is in July to September and October which is the heaviest rainy season.¹⁰

3.5 Air Quality and Noise:

Data on air and noise quality in Yemen in general and in the areas within the subproject are extremely scarce. No air and noise quality monitoring data for the subproject area were found.

¹⁰ There is no specific rainfall, climate, weather data specific for the targeted locations, due to absence of weather stations in the specific locations, hence General data has been utilized.

3.6 Existing Situation of the Targeted Areas:

The targeted areas are unpaved secondary streets, People in the targeted areas live in poor conditions, and most of the local communities are unemployed. Some targeted streets get more affected in the rainy seasons due to floods, making the streets more difficult and sometimes closed. These targeted streets are the main routes for communities to access for their homes as well access for their daily activities such as going to schools, markets, and works which intervene paving these streets as a high priority for them. Moreover, the interventions will reduce the outbreak of Cholera and other waterborne diseases due to stagnant water in the selected streets and will provide a clean environment and enhance the living condition in the targeted areas. The interventions, will generate positive impacts on the economy and health and enhance the community's protection and resilience.

The main negative impact of the project on the communities could be as follows: Gas emissions are generated from machines, and vehicles on the site Loud noise and severe vibration are caused by machines, and vehicles, Impacts by vibration due to compaction and maintenance machinery equipment, Solid waste produced by workers (trash and plastic bags) accumulates and pollutes the environment, The road traffic may temporarily be interrupted during implementation, impeding people from accessing their needs, Temporary disruption of economic activities, including disruption of traffic and congestion, Traffic jams due to the movement of vehicles from/to worksite and transporting of materials, and Stones waste accumulation and soil excavation. In the targeted areas, the residents are not familiar with any GBV knowledge and no one knows his/her rights and his/her responsibilities accordingly.



Stone paving for ALSOLA'A neighborhood and ALMAHAL neighborhood (phase 1-Lot A), Dhamar governorate



Stone paving for ALSOLA'A neighborhood and ALMAHAL neighborhood (phase 1-Lot B), Dhamar governorate



Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa-Lot A, Zinjibar, Abyan governorate



Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa-Lot B Zinjibar, Abyan governorate



Stone paving for Post Office area and Al-Nasser Hospital neighborhoods (phase2), Al-Dhalea governorate

Figure 3 Existing Situation of the Targeted Areas

3.7 Targeted Beneficiaries:

The interventions are selected based on the communities' highest priorities and in line with sectors for famine / COVID-19 response. The activities of the subproject will serve the local community that is considered as the project direct beneficiaries. The table below shows the total number of beneficiaries segregated by sex:

Subproject-ID	District	Benefited Neighborhoods	Beneficiaries		
			Male	Female	Total

09-5-11481	Al-Salaah, Dhamar city	3	795	875	1670
09-5-15545	Al-Salaah, Dhamar city				
12-5-11614	Zynjubar, Abyan	3	631	849	1480
12-5-15546	Zynjubar, Abyan				
20-5-14128	Al-Dahalea	5	2654	2765	5419
Total		11	4080	4489	8569

Table 4 Total number of beneficiaries segregated by sex

Before the sub-project handing over, PWP sub-area manager invites the beneficiaries' representative to participate in this occasion. The beneficiaries' representative could be the head of the community committee, local council member, district manager, or any entity representing the beneficiaries. The site handing over ends with minutes of subproject handing over between PWP sub-area manager and the contractor with signing of the beneficiaries' representative. During this occasion, the sub-area manager makes awareness to the attended beneficiaries about the importance of the sub-project maintenance to ensure the sustainability of the intervention.

Through transparent allocation of funds that is based on national statistics indicators in the governorate and district levels, followed by coordination with local actors and inclusive participatory process, PWP will be reducing conflict over resources. The selection of the community beneficiaries is based on transparent eligibility criteria and consultations with communities and local leaders. Before implementation and during the participatory consultations with local communities to define the interventions, PWP's teams confirm the priority of the need between the society and ensure that the intervention is in its suitable place.

4 Environmental and Social Impacts Assessment:

4.1 Applicability:

The World Bank Environmental and Social Framework ESF and YIUSEP II ESMF are applied because these subprojects may trigger some moderate environmental and social impacts such as residual wastes and occupational health and safety (OHS).

4.2 Eligibility (Exclusion List)

The sub-project is eligible for support because it does not have any of the attributes in the following exclusion list.

Exclusion List

#	Statement	Yes	No
1	Production or activities involving harmful or exploitative forms of forced labor/harmful child labor;		X
2	Production or trade in any product or activity deemed illegal under host country laws or regulations or international conventions and agreements;		X
3	Production or trade in weapons and munitions;		X
4	Gambling, casinos and equivalent enterprises;		X
5	Trade in wildlife or wildlife products regulated under CITES;		X
6	Production or trade in radioactive materials;		X
7	Production or trade in or use of un-bonded asbestos fibers;		X
8	Production or trade in wood or other forestry products from unmanaged forests;		X
9	Production or trade in products containing PCBs;		X
10	Production, trade, storage, or transport of significant volumes of hazardous chemicals, or commercial scale usage of hazardous chemicals;		X
11	Production or trade in pharmaceuticals subject to international phase outs or bans;		X
12	Production or trade in pesticides / herbicides subject to international phase outs or bans;		X
13	Production or trade in ozone depleting substances subject to international phase out;		X
14	Production or activities that impinge on the lands owned, or claimed under adjudication, by indigenous peoples, without full documented consent of such people;		X
15	Power plants;		X
16	Large-scale transport infrastructure such as highways, expressways, urban metro-systems, railways, and ports;		X
17	Investments in extractive industries; commercial logging;		X
18	Dams, or projects involving allocation or conveyance of water, including inter-basin water transfers or activities resulting in significant changes to water quality or availability;		X
19	Activities that would significantly convert natural habitats or significantly alter potentially important biodiversity and/or cultural resource areas;		X
20	Activities that would require the relocation of residential households and/or significant involuntary land acquisition; or		X
21	Activities in disputed areas.		X

4.3 Environmental and Social Screening Form

Question	Answer		ESS relevance	Due diligence/ Actions
	Yes	No		
Does the sub-project involve civil works including new construction, expansion, upgrading or rehabilitation of existing infrastructure?	X		ESS1	ESMP, SEP
Does the sub-project involve land acquisition and/or restrictions on land use?		X		SEP
Is the sub-project associated with any external waste management facilities such as a sanitary landfill, incinerator, or wastewater treatment plant?	X		ESS3	ESMP, SEP
Does the sub-project have an adequate system in place (capacity, processes and management) to address waste?	X		ESS1, ESS3	ESMP
Does the sub-project involve the recruitment of workers including direct, contracted, primary supply, and/or community workers?	X		ESS2	LMP, SEP
Does the sub-project have appropriate OHS procedures in place, and an adequate supply of PPE (where necessary)?	X		ESS2	LMP
Does the sub-project have a GM in place, to which all workers have access, designed to respond quickly and effectively?	X		ESS10	SEP
Does the sub-project involve use of security or military personnel during construction and/or operation of healthcare facilities and related activities?		X		NA
Does the Sub-project establish and implement an appropriate quality management system to anticipate and minimize risks and impact that services may have on community health and safety?	X		ESS4	ESMP, SEP
Does the sub-project apply the concept of universal access where technically and financially feasible?	X		ESS4	ESMP, SEP
Is the sub-project located within or in the vicinity of any ecologically sensitive areas?		X		NA
Is the sub-project located within or in the vicinity of any known cultural heritage sites?		X		NA

Does the sub-project area present potential Gender-Based Violence (GBV) and Sexual Exploitation and Abuse (SEA) risk?	X		ESS1, ESS10	ESMP, SEP
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4.4 Environmental and Social Screening

An Environmental and Social screening has been conducted by PWP E&S safeguards staff and designer engineers through site visits to subprojects sites, using the screening checklist. The subproject will have positive impact on the environment and communities in the targeted areas such as providing Job opportunities during implementation for workers from local communities and will generate positive impacts on the economy, education, and health services in the targeted areas, and will enhance the community's social protection and resilience. Also, it will reflect a positive impact on air quality where it will minimize the raising dust during operation phase. Based on the screening the subproject some activities may trigger minor to moderate environmental and social impacts such as air and noise pollution, residual wastes, raw materials, and OHS issues. Otherwise, The interventions do not require land acquisition as it will be implemented on existing public property, the activities will be conducted section by section, alternative streets will be available for streets users during implementation, and will not cause restrictions for the services and resources. No discrimination and gender nonequity anticipated as already both male, female and people with disabilities were considered as beneficiaries when designing the subprojects as well as awareness raising amongst the communities both male & female on Job opportunities, GBV & SEA, during subprojects implementation conducted during the public consultation process as well as regarding GRM processes and how it can be used to report gender-based violence, gender discrimination, and SH/SEA cases. Moreover, no child labor will be hired for these activities as the allowed age is above 18 years old. PWP will monitor the environmental and social issues during the implementation of the subprojects with the help of the community committees which will be involved in the monitoring, as well as following up the complaints system to ensure that all complaints are received, reported, and resolved quickly. OHS measures have been put in place including conducting a risk assessment¹¹ to all activities to measure the impacts on the safety of workers and communities, securing the worksite, implementing a permit to work system, providing training and supervision during implementation, preparing a safety plan for the implementation of subproject components as well as placing of well insulated temporary latrines, hand washing, and water supply by water trucks. The used quantities of water will be very little for hygiene use in the site. Raising workers' awareness about the dangers of open defecation and the importance of using latrines and handwashing with soap or sand is also considered to ensure hygienic practices on site. Waste management procedures for generated waste of the intervention activities such as construction waste, domestic waste and hazardous waste will be added in the tender documents to ensure proper management of waste in the worksites. The contractor code of conduct, list of environmental and social requirements, and contractor liabilities have been prepared to ensure full adherence to the environmental and social requirements.

¹¹ PWP Safeguards Specialist who will undertake assessment of activities risk, put in place the mitigation measures in the ESMPS attached to the contract documents. PWP Field staff and Contractor OHS Officers are responsible for ensuring implementation of the mitigation measures.

Specific training for all contractors has been designed and assigned for each contractor before starting the implementation by UNOPS.

4-5 Land Acquisition

The interventions do not require any kind of land acquisition as it will be implemented on existing public property and Right of Way.¹² PWP reached to social agreements¹³ with targeted communities and local authorities to implement these subprojects. In addition, the sub-projects will be implemented section by section and the sidewalk pedestrians placed will be maintained open to avoid any economical resettlement.

4-6 Resources and Services' access restriction

The subprojects will not cause restrictions for the services and resources, and the activities will be conducted section by section, and alternative roads¹⁴ will be available for road users during implementation. PWP and the contractors will be responsible to coordinate with local communities and local authorities to ensure the subprojects will not limit access to the services and resources.

4-7 COVID-19 Sensitivity

Due to the outbreak of COVID19 in Yemen, the proposed subprojects will be under the risks of COVID19. Therefore, the COVID-19 control measures have been applied during the consultation process with targeted communities such as distribution of masks, provide hand sanitizer, and maintain a distance of at least 1.5 meters between consulted people. Moreover, the COVID19 precautionary measures including face masks, hygiene kits, soap, clear water, and hygiene etiquettes will be available in the subproject's sites during the implementation as well as social distancing in the worksite. Furthermore, awareness sessions will be conducted for workers and communities regarding COVID19 risks.

4-8 Gender and Social -related issues

Both male , female and people with disabilities were considered as beneficiaries when designing the subprojects. The subprojects will highly contribute to improve the living standards of about 8399 people including women, men, and people of disability, and their children as well as IDPs. The interventions will generate positive impacts on livelihoods and the beneficiaries.

12 There is not any land donation expected at any sub-project site, as per the current designs.

13 The social agreement include that the local authorities and the community committees ensure that there is no land acquisition in the targeted sub-projects, and if these occur during the implementation, they are the ones who are responsible for solving the argument with the one who claimed the ownership. Also, they are the ones who are responsible for any compensations if needed in such situation.

14 The subprojects will not cause restriction for the services and resources, during implementation PWP and contractors are responsible for coordination with beneficiaries to avoid road blockage.

4.8.1 Child Labor

No child labor will be hired for these activities. The minimum age of work has been specified in the tender documents for contractors. Verification of legal documents is done before starting the work. The minimum accepted age is 18 years old and verification of age by checking IDs and other available documents. A labor log will be kept, and all workers will be registered. In case of age fraud, PWP will appoint a warning to the contractor and scale up procedures will be use to stop repetition.

4.8.2 Gender

PWP has ensured gender equity in the subproject's cycle as a core principle for the subproject's success. PWP is mainstreaming Gender in all aspects of the subproject cycle as well as raising awareness amongst the communities both male & female on Job opportunities during subprojects implementation. The total number of targeted beneficiaries for the 5 sub-projects is 8569 including women, men, and disabled people. PWP has engaged and involved the beneficiaries in the consultation process. to ensure their concerns and feedbacks are taken into consideration without any discrimination, The consultation was conducted for **83** males and **30** females. Also, PWP established the community committees in the targeted areas by sending the social consultants' teams (male and female) and conduct focal groups discussion including women and men to enable participation in the electing of the community committees. The elected community committees and their members including women and men participated in the decision-making, need assessment, and public consultation. Also, they will participate in the monitoring of implementation, receiving the subprojects, as well as operation and maintenance.

The number of elected community committees is 3 committees for the 5 sub-projects, and the number of their members is 9 males and 1 females. PWP conducted eight training and awareness-raising for consulted beneficiaries and community committees on GBV, SEA, COVID 19 and other diseases prevention measures, and health & hygiene . This also includes using GRM mechanism to report any gender-based violence, gender discrimination, and SH cases with the highest level of confidentiality and anonymity of complaints [\(more details in GBV action Plan \)](#)¹⁵. Furthermore, the Gender & Social Specialist will hence direct its activities to attain the PWP principles regarding gender, most importantly mainstreaming gender and equal participation into the subproject cycle Phases and creating job opportunities.

Subproject ID	Beneficiaries			Public Consultation			Community Committees		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
09-5-11481	795	875	1670	48	9	57	3	1	4
09-5-15545									
12-5-11614	631	849	1480	30	10	40	3	0	3
12-5-15546									
20-5-14128	2654	2765	5419	6	14	20	3	0	3
Total	4080	4489	8569	83	30	113	9	1	10

Table 5 Subprojects' beneficiaries, public consultations, community committees per gender

4.8.3 Gender-Based Violence "GBV", and Sexual Exploitation and Abuse "SEA"

PWP raised the awareness of community members, both men, women, and disabled people regarding GBV & SEA during the public consultation process as well as raising community awareness on GRM processes and how it can be used to report gender-based violence, gender discrimination, and SH/SEA cases with the highest level of confidentiality and anonymity of complaints. Three training and awareness-raising sessions were conducted for 83 male and 30 female as well as for members of elected community committees both male and female. To ensure effectiveness, repeated mandatory awareness training and sessions about refraining from unacceptable conduct towards local community members, specifically, women are performed by PWP through supervisor engineer and subarea staff for all contractors and workers. This also includes informing workers about the national laws that make sexual harassment, abuse, and gender-based violence a serious and punishable offense.

4.8.4 Conflict sensitivity and Do No Harm

PWP has its conflict sensitivity manual to manage any conflict cases during the projects cycle. Conflict sensitivity is given high priority and integrated into decision-making criteria in project approval. PWP adopts specific approaches when targeting the beneficiaries and defines their prioritization. Targeted communities provide their consent, acceptance, and satisfaction for the chosen interventions. No concerns were raised by the communities against the subprojects. Public consultation included ensuring Conflict Sensitivity screening. In case of Conflicts that cannot be resolved, the Subproject will be rejected. Also, Conflict sensitivity is taken into consideration in the monitoring and reporting processes during the implementation. Furthermore, the elected community committees are trained to manage, monitor, and report any conflict that might be generated during the projects cycle. Generally, the subproject will help to build the resilience of the communities and improve their live condition positively.

5 Environmental and Social Impact Analysis Plan and Mitigation Measures:

5.1 Environmental and Social Management Plan

Project phase	Potential Impact Factor	Mitigation Measure	Personnel / Institution Responsible For Execution ¹⁶	Estimated Cost/each SP
Construction	Children are pushed by their families to work due to the need for money	<ul style="list-style-type: none"> - Ensure child labor is not permitted; all workers are 18 Years old and above - Verifying age by checking IDs and other available documents. - Ensure a Labour Log is available, and all workers are registered. 	Contractor/ Resident Engineer / Community Committee	Mandatory
	Sexual harassment, abuse, gender-based violence, and discrimination	<ul style="list-style-type: none"> - Mandatory and repeated training and awareness-raising for the workforce about refraining from unacceptable conduct toward local community members, specifically women. - Informing workers about national laws that make sexual harassment and gender-based violence a punishable offense that is prosecuted. - Raise awareness on the GRM system and how it can be used to report any GBV cases 	Contractor/ Resident Engineer / Community Committee / Gender Focal Point	Mandatory
	Discrimination against women and persons with disabilities when selecting beneficiaries	PWP adopts a non-discrimination policy that ensures a non-discriminatory and inclusive manner, including women and persons with disabilities when selecting subprojects. The policy also ensures the inclusion of women in community committees as well.	PWP Subarea Staff/ Community Committee / Gender Focal Point ¹⁷	Mandatory

¹⁶ During Construction Phase, the contractor is responsible for implementing the mitigation measures. PWP field staff/ supervisor engineer is responsible, monitoring and reporting on ensuring mitigation measures are implemented. During O&M phases, the Local councils and the Beneficiary Committees are responsible for O&M.

¹⁷ The Gender Focal Point is responsible for conducting Public Consultation, ensuring women participation in the selection of subproject, consensus on the subproject, site location, establishing Community committees including women representatives, resolving complaints related to GBV, SEA issues and monitoring during construction phases. PWP staff participate in the public consultation, discuss details, raise awareness on SEP, and discuss stakeholder concerns vis a vis the subproject community committee's formation and collection of community data / profiles. Community committee is responsible for raising the awareness between society, helping in solving problem and obstacles, accordingly, supporting the monitoring in sites and helping to solve GRM complaints in site as possible.

Construction	Lack of workers' awareness and knowledge on respecting local community cultures, and social safeguard issues on Gender, SEA/H, and GBV.	<p>Contractor and its workers to sign the Code of Conduct.</p> <p>Ensure workers respect and adherence to the Code of Conduct CoC for the local community's protection and do no harm.</p> <p>GM system in place to handling any issues on Gender, SEA/H, and GBV.</p>	Contractor/ Resident Engineer / Community Committee / Gender Focal Point	Mandatory
	Financial exploitation of community or beneficiaries	<ul style="list-style-type: none"> - Inform the beneficiaries that the subproject is provided for free, and they should not pay anyone to get benefits of the subproject. - Raise awareness of PWP consultants and resident engineers that there is zero tolerance for any cases of financial exploitation. - Raise the awareness of the community committee, workers, and communities on the GM system and how it can be used to report any financial exploitation - Inform consultants, resident engineers, and the community about PWP regulations that make financial exploitation a serious contravention. 	PWP / Community Committee	Mandatory
	COVID-19 spread causing illnesses	<ul style="list-style-type: none"> - Ensure adherence to COVID-19 precautionary measures by all workers. - Ensure face masks are available and used by all workers. - Ensure awareness sessions are conducted on COVID-19 with all workers. - Ensure availability of hygiene kits, soap, clear water, and hygiene etiquettes are followed. - Ensure social distancing is applied in the worksite. 	Contractor/ Resident Engineer	\$ 500 for each subproject
	No latrines near the project site and workers may have to practice open defecation.	<ul style="list-style-type: none"> - Renting house including latrine discharged into existinig cesspit of sewerage netowok - For women labour, as there are mostly from the same area of work, they use their own latring in their houses. - From culture and traditional point of view, even 	Contractor/ Resident Engineer	\$200 for each subproject

Construction		women labour coming from remote area would use the latrine of the houses of the women labour living at the same subproject area.		
	Damage to the utilities and services located underground (electricity, water, telephone, etc.) and causing the residents to stop their services.	<ul style="list-style-type: none"> - Coordination with local authorities and locating service lines before starting work - Ensure contractor repairs any services that were destroyed during implementation. 	Contractor/ Resident Engineer	Mandatory
	Gas emissions are generated from machines, and vehicles on the site.	<p>Maintain machinery in good working conditions to minimize emissions including exhaust emissions of CO, NOx and fumes</p> <p>Provide adequate protective wear for workers, and equipment must be maintained regularly to avoid any emissions.</p> <p>Offer good practice awareness to workers to turn off vehicles and machinery when not in use</p>	Contractor	Mandatory
	Loud noise and severe vibration are caused by machines, and vehicles.	<p>Measures to reduce noise to acceptable levels must be implemented and could include silencers, mufflers. Avoiding or minimizing transportation through or processing material in community areas (like concrete mixing).</p> <p>Machinery must be maintained regularly to avoid exceeding noise emission from poorly maintained machines.</p> <ul style="list-style-type: none"> - Limit noisy activities to normal daylight hours. - Limit vehicle speed at critical locations. <p>In the narrow streets in neighbourhoods, use small machines and equipment to avoid vibration on buildings.</p>	Contractor	Mandatory (Contractual Obligation)
	Soil and Surface water/groundwater contamination	Properly store all types of waste and hazardous chemicals (paints, oil etc, used PPEs in manholes etc.) if any in insulated areas to avoid spillage and away from runoff areas	Contractor/ Resident Engineer	Mandatory

		<p>Ensure oil change or mixing cement is done at designated insulated areas away from the soil, and water areas and drains.</p> <p>Ensure hazardous chemicals and waste, if any, are stored, handled, and disposed of according to their Material Safety Data Sheets.</p> <p>Construction waste should be stored and handled in designated areas away from the soil and water runoffs and from any surface water zones</p> <p>Avoid working during rainy seasons</p> <p>Ensure renting latrines with exist tranches locations/cesspits.</p> <p>Ensure regular and visual inspections on rented latrine areas to ensure no leakage.</p> <p>Ensure fuel storage sites if present are properly insulated and away from runoff areas.</p> <p>-Ensure sewage pipelines (Subprojects 12-5-11614 and 12-5-15546) are located at safe distances from the sea or any surface water or groundwater zones in Abyan CoastalGovernorate</p>		
	Public health	<ul style="list-style-type: none"> - Ensure limited noise next to hospital area for project and avoid working during the night (20-5-14128) - Construction work should be carried out during university/school breaks (20-5-14128) 	Contractor/ Resident Engineer	Mandatory
	Water stagnation	<ul style="list-style-type: none"> - Ensure the leveling and surveying should be conducted by survey total station to guarantee the drainage of the rain water and ban any stagnation of water during the rainy season in the targeted streets. 		
	Impacts by vibration due to compaction and maintenance machinery equipment	<p>The Contractor should utilize manual activities inside the neighbourhood.</p> <p>Use small equipment.</p>	Contractor/ Resident Engineer	Mandatory

	Climate change	<p>Tree planting (native and non invasive species) as a positive Environmental improvement measure. The contractor will deliver the plants from local Nurseries for native trees, and the numbers of trees/saplings will differ from one road to another as per the site engineer recommendations. Location of tree planting will be as suggested by Project engineers.</p> <ul style="list-style-type: none"> - Maintain machinery in good working conditions to minimize emissions. - Offer good practice awareness to workers to turn off vehicles and machinery when not in use. - Reducing the number of transport vehicles and distances and increase transportation efficiency. 	Contractor/ Resident Engineer	Mandatory
	Probability of an archaeological discovery during the activities	<ul style="list-style-type: none"> - Ensure to stop the work in the discovery area and inform the Antiquities Authority and the local authority. - Ensure that seizing any archaeological items and deliver them to the Antiquities Authority with an official report. - Ensure that awareness sessions are held for all workers on the importance of archaeological and to report for any archaeological items that are found during the implementation of project activities. 	PWP/ Contractor/ Resident Engineer / Community Committee	Mandatory
	Solid waste produced by workers (trash and plastic bags) accumulates and pollutes the environment	<ul style="list-style-type: none"> - Ensure that workers regularly collect all solid trash in well insulated bags and transport them to the designated landfill or dispose of it in a proper way that does not impact the environment through a certified contractor or at authorized area <p>Waste management procedures will be added in the tender documents to ensure proper management of waste in the worksites.</p>	Contractor/ Resident Engineer	BOQ Item. Mandatory

	<p>The low aesthetic value of landscape such as damages to existing trees in the median island, accumulation of waste and debris in the median island, and damaged curbs and tiles.</p>	<ul style="list-style-type: none"> - Plant new trees and replant those damaged and dry trees in the median island from the same type used in each street. - Remove the accumulated waste and debris in the maintenance site and median island. - Reconstruct the damaged curbs and tiles. - Rehabilitation sites must be cleaned when repairs are completed. - Paint the borders using yellow and black colors. 	<p>Contractor/ Resident Engineer</p>	<p>BOQ's Items. Mandatory</p>
	<p>The road traffic may temporarily be interrupted during implementation, impeding people from accessing their needs.</p>	<ul style="list-style-type: none"> - The beneficiaries and the community committee of the project have discussed the need to temporarily block the main road during implementation and the necessary arrangements to provide alternative sub-roads for pedestrians to mitigate the impact of the temporary suspension of the road. Inform shops owners, public and roadside residence on the maintenance schedule. - Coordinate with local councils and the public on the maintenance schedule. - Shorten works period. - Avoid complete closure to the streets by doing maintenance in sections. - Accelerate the maintenance activity and open up the site as soon as possible by doubling workers and equipment. - Do Road maintenance in sections. 	<p>Contractor/ Resident Engineer / Community Committee</p>	<p>BOQ Items. Mandatory (Contractual Obligation)</p>
	<p>Temporary disruption of economic activities, including disruption of traffic and congestion</p>	<ul style="list-style-type: none"> - Ensure closure of streets sections will not cause income loss of roadside businesses, kiosks, or vendors by providing alternative access to residences and roadside businesses. 	<p>Contractor/ Resident Engineer</p>	<p>Mandatory</p>
	<p>Traffic jams due to the movement of vehicles from/to worksite and transporting of materials</p>	<p>Before construction, the contractor should carry out consultations with local authorities and the community. Vehicle trips must be included in a construction plan before approval. Routings, especially heavy vehicles, need to take into account sensitive sites such as schools, hospitals, and markets.</p>	<p>Contractor/Community Committee</p>	<p>Mandatory</p>

		<p>It is strictly forbidden to transport materials for construction during rush hour. Coordinate with the traffic authority in the City on the maintenance schedule.</p> <ul style="list-style-type: none"> - Find alternatives (detours) to either side of the existing road before excavating and reconstructing existing road surfaces. - Control and manage traffic, by arranging detours and alternate bypass for traffic and roadside residences & businesses for each maintenance site by using traffic cones, barriers, fences, or lights as appropriate with coordination with traffic officers and according to the work plan conducted by the Contractor and approved by PWP. - Do not start any maintenance activities before the installation of traffic safety and control safeguards. - Install signs to detour were necessary to guide the driver to follow. - Where required, allocate persons to direct traffic in areas where construction is taking place. - Park the machines and equipment away from the streets in an area allocated for. 		
	<p>Access of public into the worksite.</p>	<p>Install fences, barriers, dangerous warning/prohibition sites around the construction area which showing potential danger to public people.</p> <ul style="list-style-type: none"> - Place appropriate warning and directional signs at areas where construction is taking place. - Keep road surfaces clear from materials such as soil and gravel. - Limit in coordination with traffic authorities the movement of heavy vehicles on roads/lanes used by the public during traffic peak hours. - Conduct management and safety plans for maintenance activities. - Erect removable barriers. 	<p>Contractor/ Resident Engineer</p>	<p>BOQ Items. Mandatory (Contractual Obligation)</p>

		Protect proper shielding scaffolds.		
	Stones waste accumulation and soil excavation	<ul style="list-style-type: none"> - An appropriate mechanism was agreed upon for the management of waste resulted from cutting and processing of stones to be transported to pre-designated areas or to use it in the rehabilitation of some simple agricultural terraces. Dust residues that may be produced are moved to the designated areas - Properly collect, transport and dispose of solid waste and hazardous waste at designated permitted sites or landfills identified by the local authorities and cleaning funds. - Properly covering trucks that transport collected waste to avoid spillage during transportation. - Attach the waste receipt from the relevant landfill authorities. - Use well-maintained equipment to avoid leakage in the street. - Oil change and maintenance work must be done at designated insulated areas to avoid soil contamination - Avoid working during rainy seasons - The Contractor's staff should be trained on waste handling; 	Contractor/ Resident Engineer	BOQ Items. Mandatory (Contractual Obligation)
	Complaints Occurrence	<ul style="list-style-type: none"> - GRM should be established by the Contractor and PWP - Inform public about GRM contact information and method of submitting complaints; - Details of complaints received should be incorporated into the audits as part of the monitoring process and respond to settle the complain quickly and accordingly. 	Contractor, PWP	Mandatory
Operational phase	Maintenance of streets and sewage network and canals	<ul style="list-style-type: none"> - Inform the public on maintenance times 	Community committee, Local Authority	Mandatory

Table 6 Environmental and Social Plan

5.2 Occupational and Health Safety Plan:

5.2.1. OHS for streets stone paving

Tasks with risk possibilities	Hazard	Risk mitigation measures	Responsible	Estimated Cost
Paving Road Activities including (Excavations, Levelling, Implementation of reinforced concrete, Paving the stones)	<ul style="list-style-type: none"> - Hands or feet get injured while excavating, levelling, fixing the concrete steels, and paving. - Dust, sand and small parts volatilize while excavating, levelling, and cutting stones, or paving. - Exposure to the hot sun during drilling causes headaches and psychological and neurological disorders - Misuse of equipment. - Eyes get injured while cutting stones - Stones fall on workers while cutting, transporting, or loading. - Workers fall while standing on stones to cut or walk on them - Injuries of the shoulders and back muscles because of lifting the wrong way or lifting heavy load for long. - Workers' ignorance of safety 	<ul style="list-style-type: none"> - Conduct awareness sessions about (OHS) occupational and health safety before the beginning of work by PWP this includes (hazards associated with the activity, mitigation measures, and worker's responsibility as well as the disciplinary action against any violation. - Workers sign that they have received awareness about the implementation of the activity, and that they understood the special procedures that help mitigate, minimize, and avoid potential risks. - -Permit to Work approved for each road section activity and before starting the work to ensure safety precautions are in place. - Ensure the necessary personal protective equipment (PPE) is always worn by workers and they get it for free. - Allow regular breaks and 	<p>Contractor/ Resident Engineer /Workers</p>	<p>Provide safety equipment for workers: 3000 \$, for each subproject</p> <p>Mandatory, BoQ items</p>

	<p>hazards at the work site.</p> <ul style="list-style-type: none"> - Injury due to poor quality of the equipment that used for cutting stones, and paving stones. - Serious accidents due to work close to heavy equipment in the workplaces such as Cement mixture, Graders, Compactors, trucks...etc. - Serious accidents for people and pedestrians due to entrance to the work locations. - -Traffic accidents for road users. 	<p>ensure presence of potable water</p> <ul style="list-style-type: none"> - Avoid working in extreme weather conditions (sand storms, dust storms, rain etc.) - High visibility clothing is used by any person in the worksite. - Site preparation and proper organization of the stacked material to ensure the safety of workers during work. - Maintenance of all work equipment before starting the work such as Cement mixture, Graders, Compactors, trucks...etc. - Always keep a safe distance with work equipment including Cement mixture, Graders, Compactors, trucks...etc. - Worksite provided with trainer and signaller to arrange the vehicle's movement. - Fixing the warning signs for speed limits and traffic instructions to be followed by drivers and workers. - Vehicles traffic routes should be segregated from workforce walkways in the worksite. - Excavations are fenced and warning signs are placed around them. - Ensure skilled workers are hired for this activity. - Ensure that works residues are collected and transported to designated landfills. 		
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		<ul style="list-style-type: none"> - Using appropriate working tools. - Banning the use of explosives should be enforced - Periodic inspection to ensure that mitigation measures are implemented and stop any unsafe act or unsafe situation. - Involving the community committee in the monitoring of safety procedures and reporting any risks. - Provide a guard in the worksite 24 hours to ensure no unauthorized entrance to the worksite. - Emergency response plan to be in place with details of the nearest hospital or medical center, responsibilities are understood for all works, first aid boxes are available and a list of trained first aiders is posted and known by all workers. 		
<p>Cutting of remaining asphalt.</p>	<p>- Serious accidents due to the use of unsafe cutting tools or the saw.</p>	<ul style="list-style-type: none"> - Conduct awareness sessions about (OHS) occupational and health safety before the beginning of work by PWP this includes (hazards associated with the activity, mitigation measures, and worker's responsibility. - Workers sign that they have received awareness about the implementation of the activity, and that they understood the special procedures that help 	<p>Contractor/ Resident Engineer /Workers</p>	<p>Mandatory, BoQ item</p>

		<p>mitigate, minimize, and avoid potential risks.</p> <ul style="list-style-type: none"> - Permit to work approved for cutting activity and before starting the work to ensure safety precautions are in place. - Ensure the necessary personal protective equipment (PPE) is available especially the PPEs that are required to protect the workers during cutting activity. - Use safe cutting tools or saws and ensure they are safe to use before start using them. - Fence the area of cutting at a safe distance to avoid accidents for workers and pedestrians. - Ensure the presence of suitable first aid equipment and trained employee - Emergency response plan to be in place with details of the nearest hospital or medical center, responsibilities are understood for all works, first aid boxes are available and a list of trained first aiders is posted and known by all workers. 		
<p>Adjusting manholes level when required and working in sewers.</p>	<ul style="list-style-type: none"> - Serious accidents or death due to dangerous gases generated from the manholes when they are opened or when go inside the manholes. 	<ul style="list-style-type: none"> - Conduct awareness sessions about (OHS) occupational and health safety before the beginning of work by PWP this includes (hazards associated with the activity, mitigation measures, and worker's responsibility. 	<p>Contractor/ Resident Engineer /Workers</p>	<p>Mandatory, BoQ item</p>

	<ul style="list-style-type: none">- Serious accidents or death due to falling into the open manholes.	<ul style="list-style-type: none">- Workers shall sign on COC that confirm receiving awareness sessions about the implementation of the activity, and that they understood the special procedures that help mitigate, minimize, and avoid potential risks.- Issuance of special permit before starting the work to ensure safety precautions are in place.- Ensure the necessary personal protective equipment (PPE) is available especially the PPEs and ventilation means and tools that are required to protect the workers during working in confined spaces.- Ensure safe work plan is in place to be followed step by step by the workers during working in manholes adjustment or working in confined space to ensure safe work implementation.- Ensure manhole workers spend limited times in manholes- Ensure all workers in manholes and sewage related activities are equipped and are adhering to SCUB diving oxygen equipment and full body PPE.- Ensure workers in manholes are attached by safety belts for emergency pull		
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- -Ensure extra air breathing apparatus are present
- Only trained workers are allowed in manholes
- Provide medical check up for workers working in manholes
- Provide a guard in the worksite 24 hours to ensure no unauthorized entrance to the worksite.
- Fence surrounding the manhole's opening area with a safe distance to avoid falling accidents for workers and pedestrians.
- Place the awareness and warning signs surrounding the manholes for gases risks and falling risks as well as showing the required measures to avoid accidents.
- Emergency response plan to be in place with details of the nearest hospital or medical center, responsibilities are understood for all works, first aid boxes are available and a list of trained first aiders is posted and known by all workers.

<p style="text-align: center;">Poor coordination, planning</p>	<ul style="list-style-type: none"> - Hands or feet get injured while excavating or constructing works. - Dust, sand and small parts volatilize while excavating or building works. - Exposure to the hot sun during drilling causes headaches and psychological and neurological disorders - Misuse of equipment. - Stones fall on workers while transporting, loading, or building. - Injuries of the shoulders and back muscles because of lifting the wrong way or lifting heavy load for long. - Workers' ignorance of safety hazards at the work site. - Blisters on the hands due to direct contact with cement. - Damage of underground services during excavation work. 	<ul style="list-style-type: none"> - Conduct awareness sessions about (OHS) occupational and health safety before the beginning of work by PWP this includes (hazards associated with the activity, mitigation measures, and worker's responsibility as well as disciplinary action against any violation. - Regular break to workers and provision of clean water to workers - Avoid working in extreme weather conditions (sand storms, dust storms, rain etc.) - Workers sign that they have received awareness about the implementation of the activity, and that they understood the special procedures that help mitigate, minimize and avoid potential risks. - Ensure the necessary personal protective equipment (PPE) is always worn by workers and they get it for free. - Periodic inspection to ensure that ladders before and during work. - Ensure skilled workers are hired for these activities. - Periodic inspection to ensure that mitigation measures are implemented and stop any unsafe act - Involving the community committee in the monitoring of 	<p style="text-align: center;">Contractor/ Resident Engineer /Workers</p>	<p style="text-align: center;">Mandatory</p>
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		<p>safety procedures and reporting any risks.</p> <ul style="list-style-type: none"> - Ensure stone cutting equipment is in good condition and safe to use. - Emergency response plan to be in place with details of the nearest hospital or medical center, responsibilities are understood by all workers, first aid boxes are available and a list of trained first aiders is posted and known by all workers. - Coordinate with local councils, beneficiary committee, and other implementing partners before starting excavation works to determine locations of underground services. - Protect underground pipes during construction; - Repair damaged infrastructure on the completion of the works. 		
<p>Waterlogging due to inefficient drainage for surface runoff in some locations.</p>	<p>Risk of flooding.</p>	<ul style="list-style-type: none"> - Keep trenches and excavations free of water. - Dewater surface water if needed using water vacuum mobile tankers. - Avoid working during rainy seasons. 	<p>Contractor/ Resident Engineer /Workers</p>	<p>Mandatory, BoQ item</p>
<p>Work-related accidents and injuries</p>	<ul style="list-style-type: none"> - Hands or feet get injured while excavating or constructing works. - Dust, sand, and small parts volatilize while excavating or building works. 	<ul style="list-style-type: none"> - Apply safety work permit system for all working activities at site to ensure full implementation of ESMP and OHS requirements; - Applying confined spaces work 	<p>Contractor/ Resident Engineer /Workers</p>	<p>Mandatory</p>

	<ul style="list-style-type: none"> - Exposure to the hot sun during drilling causes headaches and psychological and neurological disorders - Misuse of equipment. - Stones fall on workers while transporting, loading, or building. - Injuries of the shoulders and back muscles because of lifting the wrong way or lifting heavy load for long. - Workers' ignorance of safety hazards at the work site. - Blisters on the hands due to direct contact with cement. - suffocation due to work in confined spaces such as sewer manholes. 	<p>permit system when working in the manholes or drainage systems;</p> <ul style="list-style-type: none"> - Implement gas testing and required ventilation to ensure the absence of toxic or harmful gases during working in manholes or water storm drainage systems/canals; - Provide self-contained breathing apparatus (oxygen cylinders) to all workers when working in the confined spaces such as manholes or storm water drainage canals; - Provide full-body harness and lifelines and gas detectors when working in the confined spaces (Sewer manholes) or canals; - Ensure that extra air breathing apparatus are present - Ensure no worker spends too much time in confined areas - Provide occupational health and safety training to all employees involved in works; - Provide protective masks, helmet, overall and safety shoes, safety goggles, etc. as appropriate; - Provide workers in high noise areas with earplugs or earmuffs; - Follow driving safety instructions i.e. trained drivers, following speed limits, using well-maintained trucks; 		
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		<ul style="list-style-type: none"> - Mitigate the risk of working in a hot environment by providing a clean /cold drinking water supply, avoid working during peak hot hours. - Provide first aid kits in each work site; 		
	<ul style="list-style-type: none"> - Risk of heavy ,Bulky or unwieldy load - Risk of Unstable/ unpredictable loads - Risk of PPE clothing hindering of the movement or posture - Risk of poor communication on safety between workers - Risk of workers back injuries due to wrong manual handling. 	<ul style="list-style-type: none"> - Avoid the need for manual handling as possible. - Reduce the load risk by using lighter weights or more stable containers. - Reorganize the activity to further reduce the impact on the individual(s). - Utilize mechanical lifting aids or equipment as appropriate. - Ensure appropriate rest breaks, job rotation and training are involved. - Provide personal protective equipment (e.g., gloves, foot protection, and non-slip footwear). - Provide training for workers on handling and storing any hazardous substances and materials. - Medical checkups should be provided for workers prior to the start of the project and after rehabilitation activities 	<p>Contractor/ Resident Engineer /Workers</p>	<p>Mandatory</p>

Table 7 Occupational and Health Safety Plan

1.2.2. OHS related to sanitation works as part of paving projects

Tasks with risk possibilities	Hazard	Risk mitigation measures	Responsible	Estimated Cost
Excavation work for sewerage network.	<ul style="list-style-type: none"> • Generation of Dust that can be inhaled by labours. • Children and People falling into excavations. • Vehicles falling into excavations. • Trench collapse or Excavation sides get demolished or soil slides during excavation or excavation residues slide on the worker during excavation. • Hands or feet get injured while excavating in semi-rocky or rocky areas using a mechanical or manual excavator. • A limb is injured while using drilling and excavation equipment. • Exposure to the hot sun during drilling causes headaches and psychological and neurological disorders • Misuse of equipment necessary for excavation or removal of waste and the like. • Use the dynamite for excavation. 	<ul style="list-style-type: none"> • Excavation should be done section by section to control the site with proper fencing signs of warnings; • Appropriate Respiratory Masks to be provided for all labours; • Sweep the area and spray little water on the generated dust during excavation and levelling works to reduce the dust. • Work Area to be appropriately secured using barricades, fences and tapes • Detours and alternative roads to be planned and communicated to public before commencing the work. • Reflective Safety signs to be placed considering enough distance to make sure public cars can see • Working only during day light • Prevent people from falling into excavations by barriers around the edges. • Soil extracted during the excavation should be at 80cm far from the 	Contractor/ Resident Engineer /Workers	Mandatory, BoQ item

	<ul style="list-style-type: none"> • Respiratory diseases due to inhaling the dust. 	<p>edge of the excavation to avoid falling of soil over the workers.</p> <ul style="list-style-type: none"> • Detailed drawings for the underground services to be obtained • Before starting excavation, apply manual excavation to avoid damaging the under ground infrastructure • Area to be scanned for underground services and permit to be obtained from appropriate government agency before work starts with hiring representative Engineer. • Facilitate safe passing for the people and especially those with special need people to their houses • Support trench sides using sheet pile with jack • Issuance of a special permit to work before starting the excavation works to ensure health and safety procedures are in place. • Conduct awareness sessions about (OHS) occupational and health safety for workers before the beginning of work. • Ensure excavation workers have understood the special procedures that help avoid, minimize, mitigate the potential risks. • Workers sign that they have received awareness about the 		
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		<p>implementation of the activity, and that they understood the special procedures that help mitigate, minimize and avoid potential risks.</p> <ul style="list-style-type: none">• Site preparation and proper organization of the stacked material in order to ensure the safety of workers during work• Conduct inclined excavation if the soil is collapsible or saturated with water. Also, the sides of the excavation shall be supported with timbering or steel that is adequate to protect the excavation sides from collapse.• Use appropriate equipment for levelling and excavation and pay extra attention while using mechanical excavators in rock cutting/extraction.• Maintain the excavation equipment before starting the work to ensure it is in good condition and safe to work• Removal of falling blocks objects or sliding soil in any area above the level of excavation in and around it.• Erect warning notices and signs in the excavation areas.• Provide guards in the excavation areas to prohibit the road users or the pathway user to access to excavation.		
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		<ul style="list-style-type: none">• Alert road users and local communities about excavation risks.• Daily maintenance for excavation fence to ensure it is fixed.• Provide adequate lighting in the excavation areas.• Provide sun protection caps if possible• Ensure collection and transportation of the excavation residues to the designated landfills right away.• Safety gloves, dust masks, protective helmets, protective boots, and all necessary PPE to mitigate the risks of conducting the activity are to be always used by workers on-site.• Deposit extracted rocks away from the excavation.• Prohibit the use of dynamite for any activities.• Design Traffic and vehicles routes away from excavation areas.• Allow enough rest breaks to workers and ensure presence of potable water• Ensure an emergency response plan is in place to respond to any accidents or emergency situations.		
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		<ul style="list-style-type: none"> • Insure availability of safe incoming and outgoing of labor from trenches. - Detailed drawings for the underground services to be obtained - Before starting excavation, apply manual excavation to avoid damaging the underground infrastructure • Area to be scanned for underground services and permit to be obtained from appropriate government agency before work starts • Ensure that the equipment is far from the edge of the trenches 		
<p>Work-related to Casting and Installation of manholes</p>	<ul style="list-style-type: none"> • Workers' ignorance of safety hazards at the work site. • suffocation due to work in confined spaces such as sewer manholes. • Blisters on the hands due to direct contact with cement • Incidents resulting from lifting and transporting of RC manholes 	<ul style="list-style-type: none"> • Apply safety permit to work system for all working activities at site to ensure full implementation of ESMP and OHS requirements; • Conduct awareness sessions about (OHS) occupational and health safety for workers before the beginning of work. • Workers sign that they have received awareness about the implementation of the activity, and that they understood the special procedures that help mitigate, minimize and avoid potential risks. 	<p>Contractor/ Resident Engineer /Workers</p>	<p>Mandatory, BoQ item</p>

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| | | <ul style="list-style-type: none">• Site preparation and proper organization of the stacked material in order to ensure the safety of workers during work• Applying confined spaces work permit system when working in the manholes or closed drainage systems;• Implement gas indicator and required ventilation to ensure the absence of toxic or harmful gases during working in manholes or closed water storm drainage systems/canals;• Provide self-contained breathing apparatus (oxygen cylinders) to all workers when working in the confined spaces such as manholes or storm water drainage canals;• Provide full-body harness and lifelines and gas detectors when working in the confined spaces (Sewer manholes) or canals;• Ensure no worker spends too much time in confined areas• Ensure the presence of extra air brathing apparatus.• Provide occupational health and safety training to all employees involved in works;• Provide protective masks, helmet, overall (as one piece for sanitation work) and safety shoes, safety goggles, etc. as appropriate; | | |
|--|--|--|--|--|

		<ul style="list-style-type: none"> • Provide workers in high noise areas with earplugs or earmuffs; • Follow driving safety instructions i.e. trained drivers, following speed limits, using well-maintained trucks; • Mitigate the risk of working in a hot environment by providing a clean /cold drinking water supply, avoid working during peak hot hours. • Provide first aid kits in each work site; • Provide mobile ladder and safety built for workers to get in and out of the excavation safely • Rented site for raw material such as reinforcement, sand and gravel needed for fabrication and construction of precast manholes should be fenced. • A protected site from sunshine and rainfall is provided for pipes and cements • Ensure an emergency response plan is in place to respond to any accidents or emergency situations. 		
Backfilling	<ul style="list-style-type: none"> - Dust generation and vibration from the compactors - Incidents during using compactors - High vibration may cause cracks in the buildings of the neighborhood. 	<ul style="list-style-type: none"> • Apply safety permit to work system for all working activities at site to ensure full implementation of ESMP and OHS requirements; • Conduct awareness sessions about (OHS) occupational and health safety for workers before the beginning of work. 	Contractor/ Resident Engineer /Workers	Mandatory, BoQ item

		<ul style="list-style-type: none"> • Workers sign that they have received awareness about the implementation of the activity, and that they understood the special procedures that help mitigate, minimize and avoid potential risks • Ensure skilled workers are hired for this activity • Spray water during backfilling • At the old cities and beside old buildings, and narrow streets, use small compactor with low vibration or hand compactor. • Ensure an emergency response plan is in place to respond to any accidents or emergency situations 		
<p>Dealing with hazardous material and waste if any</p>	<ul style="list-style-type: none"> - Skin and eye irritation and allergies from hazardous material handling. - Diseases and contamination from used manhole PPEs 	<ul style="list-style-type: none"> • Store hazardous material and waste according to their MSDSs • Hazardous materials and wastes should be handled by trained workers. • Workers should be provided with proper PPEs 	<p>Contractor/ Resident Engineer /Workers</p>	<p>Mandatory, BoQ item</p>

Table 8 Occupational and Health Safety Plan

1.2.3. Occupational health and safety plan for rainwater drainage channels as part of paving projects

Tasks with risk possibilities	Hazard	Risk mitigation measures
Excavation work for all components	<ul style="list-style-type: none"> • Children fall from the edges of excavations • The sides are demolished or landslides during drilling or the waste of the pits slips on the workers during the drilling process. • Vehicles fall in excavations • Injury to hands or feet during drilling in rocky or semi-rocky areas using a manual or mechanical excavator. • Dust, sand and particles fly during excavations or construction work. • Injury to parties when using drilling or drilling equipment. • Exposure to burning sunlight during stone clicking causes headaches and psychological and neurological disorders. • Misuse of equipment for excavations or removal of waste and the like. • Use dynamite for drilling 	<ul style="list-style-type: none"> • Issuing a permit for work by the resident renowned engineer allowing the start of work. • Organizing occupational health and safety awareness workshops before starting work that include the risk of collapses and being documented. • Ensure that drillers understand special procedures that help avoid and mitigate potential risks. • Workers certainly signed that they received the necessary awareness about the implementation of the activity and that they understood special measures that help to mitigate and reduce risks and avoid potential risks.

Tasks with risk possibilities	Hazard	Risk mitigation measures
	<ul style="list-style-type: none"> • Respiratory diseases caused by dust inhalation 	<ul style="list-style-type: none"> • Equipping the site and regulating the chuan of materials to ensure the safety of workers at work, • Conduct oblique excavations from certain angles if working in collapsed or water-saturated soil . • Use the appropriate equipment for leveling, drilling and paying special attention while using the mechanical excavator to cut or take off rocks. • Maintenance of drilling equipment before starting work to ensure that it is in good condition and safe to work • Remove falling blocks or sliding soil in any area elevated on excavations and in and around the pit. • Erecting signs and warning signs in the drilling areas. • Providing guards in drilling areas to prevent road users from accessing drilling. • Alert road users and communities about the risks of drilling. • Isolating and securing the work area appropriately using barriers and fences • Daily maintenance of the drilling fence to make sure it is installed. • Provide adequate lighting in drilling areas. • Ensuring that the remnants of the excavations are collected and transported to the designated dumps quickly.

Tasks with risk possibilities	Hazard	Risk mitigation measures
		<ul style="list-style-type: none"> • Providing dust protection gloves, masks, goggles, protective helmets, protective shoes and all personal protection tools to mitigate the risk of activity and worn on the job at all times. • Place the soil resulting from the drilling in a place 0.80 meters away from the edges of the pits. • Put the rocks extracted from the excavations away from the piles of dirt . • Prohibiting to use dynamite for any activity. • Spraying water on the dust emitted during drilling and leveling work to reduce dust. • Make sure to strengthen the walls of excavations by the usual means and according to the classification of the site and the soil and its characteristics. • Make sure there are safe entrances and exits for excavations. • Be sure to identify the places of extensions of ground services and coordinate with the relevant authorities to provide the plans and their representatives to come to the site and mark them before starting the excavation work. • Make sure that the drilling equipment is as far away from the edges of the excavations as possible. • Facilitate safe passage of people, especially people with special needs, to their homes.

Tasks with risk possibilities	Hazard	Risk mitigation measures
		<ul style="list-style-type: none"> • Before drilling begins, perform manual drilling to avoid damaging underground infrastructure. • Make sure to control traffic and walk away from excavations. • Ensure that there is an emergency plan to respond to any accidents or emergencies. • Make sure to identify the features and protections of excavations with barriers. • Ensure that there is an emergency response plan to respond to any incidents or emergencies.
Construction of rainwater drainage canal walls	<ul style="list-style-type: none"> • Injury to the hands or feet during excavations or construction work. • Dust, sand and dust fly during excavations or construction work. • Exposure to burning sunlight while clicking stone causes headaches and psychological and neurological disorders. • Misuse of equipment • Stones fall over workers during cutting, transportation or construction. • Shoulder and back muscle injuries due to weight lifting in the wrong way for a long time. • Workers are unaware of the safety risks in the workplace. • Falling from the stairs while building walls. • Cracks in the hands due to direct cement touch. 	<ul style="list-style-type: none"> • The emergency response plan should be put into effect and include details of the nearest hospital or health centre and everyone understands their responsibilities for all work, provides a first aid fund and a list of people who are able to provide first aid and place it in a prominent place that all employees on site see. • Regular rest for workers and clean water . • Workers certainly signed that they received the necessary awareness about the implementation of the activity and that they understood special measures that help to mitigate and reduce risks and avoid potential risks. • Ensure that workers wear the necessary personal protection tools at all times and receive them free of charge .

Tasks with risk possibilities	Hazard	Risk mitigation measures
	<ul style="list-style-type: none"> • Use explosives to extract stones. 	<ul style="list-style-type: none"> • -Periodic inspection to ensure the safety of stairs before and during work. • Ensure that skilled workers are contracted to carry out these activities. • Periodic inspection to ensure the application of risk mitigation measures and the cessation of unsafe behaviour and situations. • Make sure that the stone cutting equipment is in good condition and safe to use.
<p>-Cutting, cracking, taking off and transporting stones.</p>	<ul style="list-style-type: none"> • Eye injury during cutting stones • Hand injury • Foot injury • Stones fall over workers during cutting, transporting or loading stones. • Workers fall when standing on stones to cut or walk on them. • A car collision of workers during the transport of materials. • Stones fall on passers-by or people walking on the road near excavations in high places. • Misuse of equipment during stone cutting. • Use explosives to cut or dig stones in rocky areas. • Workers' bodies were damaged by flying rock fragments. • Hearing injury during excavations using mechanical excavators or stone cutting equipment. 	<ul style="list-style-type: none"> • Issuing a permit for work by the resident supervisor engineer allowing him to start work. • Organizing occupational health and safety awareness workshops before starting work that include the risk of collapses and be documented. • Distribution of personal protective equipment to workers according to the nature of the risks and work in the activity. • The use of personal protective equipment during stone cutting or cracking is mandatory and: • Protection sail gloves should be used when loading, transporting and distributing stones • Wearing appropriate protective shoes during the implementation of the activity is mandatory. • Goggles should be worn to protect the eyes from stone fragments while cracking and cutting stones.

Tasks with risk possibilities	Hazard	Risk mitigation measures
	<ul style="list-style-type: none"> • Serious injuries may occur during stone cutting as a result of the use of unsafe equipment. 	<ul style="list-style-type: none"> • Full care should be exercised during cutting stones in high places. • Eyes must be safe to protect the eye from stone fragments while braking and cutting stones. • Ear plugs should be used to protect hearing from noise from mechanical excavators and stone cutting equipment, as well as to wear dust and volatile dust muzzles . • Use safe and suitable equipment for cutting, forming and maintaining stones continuously. • Stones are stored and arranged in the workplace and ensure that the road is not blocked, traffic is obstructed or that risks are caused to passers-by and workers. • The use of explosives is strictly prohibited and workers are responsible for non-compliance • Occupational health and safety regulations. • Ensure that there is an emergency response plan to respond to any incidents or emergencies.
<p>-Install-iron or concrete covers for rainwater drainage channels</p>	<ul style="list-style-type: none"> • Risk of falling. • Cracks appear on the hands as a result of direct contact with cement. • Various hand injuries during closures and the placement of rebar rods. • Burns resulting from the use of welding. 	<ul style="list-style-type: none"> • Issuing work permits by the resident supervisor engineer to carry out the works • Conducting awareness sessions on occupational health and safety before starting the consultation and documenting it.

Tasks with risk possibilities	Hazard	Risk mitigation measures
		<ul style="list-style-type: none"> • Employing skilled workers to carry out this activity. • The wood used must be in excellent condition in addition to ensuring the quality of the work of the openings and wood supports by the supervising engineer. • Distribution of personal protective equipment (PPE) to employees in proportion to the nature of the work/risks in the activity. • Use safety gloves while dealing with or running sharp objects or adhesives. • Wear safety shoes during the implementation of closures and lay iron rods. • Wearing long rubber safety shoes is mandatory while mixing and pouring concrete. • The emergency response plan should be in place with details of the nearest hospital or medical centre. All workers understand responsibilities. First aid boxes and a list of trained paramedics are available and are known to all workers. •
<p>-Work in confined spaces (intra-channel work for</p>	<ul style="list-style-type: none"> • Injury/death - lack of oxygen; toxic gases 	<ul style="list-style-type: none"> • Workers working in confined places must have a work permit approved by the person in charge. • Ensure the safety of the air surrounding the confined areas before each entry and measure oxygen and toxic gases

Tasks with risk possibilities	Hazard	Risk mitigation measures
finishing or maintenance)		<p>concentrations and provide adequate lighting, and provide the necessary tools and devices such as a respirator, hydrogen sulfide meter, safety belts, helmets and paws ... etc</p> <ul style="list-style-type: none"> • Make sure that a person is assigned to monitor the safety of all activities of access to confined places. • Develop a plan and provide training in access to confined areas. • An emergency response plan must be developed with details of the nearest hospital or medical centre. All workers understand responsibilities, first aid boxes and a list of trained paramedics are available and are known to all workers, providing on-site transportation.
-Mixing and processing of the concrete mixture	<ul style="list-style-type: none"> • Serious injuries due to contact with cement mixing equipment while working. • Cracks appear on the hands as a result of the effect of the chemical component of cement during mixing and direct contact with liquid cement. 	<ul style="list-style-type: none"> • Issuing a permit for work by the resident supervisor engineer allowing him to start work. • Organizing occupational health and safety awareness workshops before starting work that include the risk of collapses and be documented. • Use the professional workforce to carry out mandatory activities during mixing and pouring concrete. • Use sail gloves while loading, transporting and distributing stones during construction.

Tasks with risk possibilities	Hazard	Risk mitigation measures
		<ul style="list-style-type: none"> • Shoes, long rubber safety paws and muzzles must be worn while mixing concrete on site. • -Make sure that the concrete mixing equipment is in good condition. • Workers should be aware of the dangers of concrete mixing equipment and maintain a safe distance during movement and rotation. • Locate cement mixing equipment on flat fixed ground to avoid collapse during operation and stay away from traffic. • Ensure that there is an emergency response plan to respond to any incidents or emergencies.
Reinforced concrete works including installation of iron rods and casting of concrete for the cannal surface	<ul style="list-style-type: none"> • Serious injuries or fractures resulting from the fall of workers during the reinforcement work, rebar placement and concrete casting. • Cracks in the hands due to direct cement touch. • Various injuries to the hands during the support work and the placement of rebar. • Burns and injuries resulting from the use of welding and cutting equipment. • Injuries to the hands and feet as a result of the use of hand tools such as hammers and azamel. • Serious injuries due to contact with cement mixing equipment while working. 	<ul style="list-style-type: none"> • Issuing a permit for work by the resident supervisor engineer allowing him to start work. • Organizing occupational health and safety awareness before starting work, including the risk of collapses, and documenting them. • Use skilled professional labour to carry out activities. • The wood used should be in excellent condition, in addition to the supervising engineer's assurance of the quality of the proper support work with wood or iron. • Distribution of personal protective equipment to workers according to the nature of risks and work activities.

Tasks with risk possibilities	Hazard	Risk mitigation measures
		<ul style="list-style-type: none"> • Use protective gloves while handling and operating sharp objects or with an iron hook wire. • Wearing protective shoes when carrying out the work of weeding and placing armed iron. • Wearing rubber and long-neck shoes is mandatory during mixing and pouring concrete • Workers should be aware of the dangers of concrete mixing equipment and maintain a safe distance during movement and rotation. • Locate cement mixing equipment on flat fixed ground to avoid falling during operation and to stay away from traffic • Personal protective clothing, eye protection and face masks are provided to workers working in welding or cutting. • Ensure that there is an emergency plan to respond to any incidents or emergencies.

Table 9 Occupational and Health Safety Plan

6 Environmental, Social, and OHS Clauses and Liabilities for Contractors:

6.1 Conditions for the Eligible Contractors:

1. Provision of adequate and suitable equipment for the activities of the subprojects
2. A financial capability that ensures the subprojects will be executed and completed as per agreed terms and conditions.
3. Provision of insurance policies for the workers as a condition to signing the contracts.
4. The OHS tools should be provided with acceptable quality according to the BOQ with conducting training to the workers. These materials should be conditional for the handover of the site to the contractors.
5. Contractors are fully responsible for any accident or incident of any that may occur
6. Contractor's strict compliance with the ban on the use of explosives.
7. Contractors and contractors' site representatives have undertaken OHS training and are fully aware of the risks, mitigation measures, and responsibilities.
8. Contractors should abide by the principle of non-discrimination in all aspects of employment.
9. Banning the use of explosives should be enforced and monitored.
10. The contractor will be terminated if they do not comply with the E&S and OHS mitigation measures during implementation.
11. Contractors shall ensure compliance with the Code of Conduct

6.2 Environmental and Social Clauses for Contractors:

The contractors shall supply and execute the necessary works on-site to mitigate the environmental and social impacts of the subproject in accordance with the bidding and contractual E&S requirements. The Environmental and Social Clauses for Contractors should at least reflect the following but not exhaustive items:

1. Worker Health and Safety:

To avoid work-related accidents and injuries, the contractors will:

- 1.1 Provide occupational health and safety training to all employees (including the community workder if any) involved in the works.
- 1.2 Provide protective masks, helmets, overalls and safety shoes, safety goggles, as appropriate.
- 1.3 Provide workers in high noise areas with earplugs or earmuffs.
- 1.4 Ensure availability of first aid box.
- 1.5 Provide employees with access to toilets and potable drinking water and soap.
- 1.6 Train workers regarding the handling of hazardous materials hazardous materials and storing and managing hazardous materials

2. Labor Management Plan:

The estimated / planned number of labors for urban stone paving is 385 skilled and 772 unskilled labor during the project life for all 5 subprojects (as classified in Table 2) in which the contractor is responsible on:

- 2.1 Wages and Deductions: The contractor shall be in line with the current market rates paid for skilled, semi-skilled, or unskilled labor. Also, the daily rates could differ from one governorate to another; hence, it should be equivalent to the wages paid in the specific location. On the other hand, community workers should be paid similar to the contracted workers. PWP field staff shall monitor and ensure contractor pays all workers based on market rates in the area.
- 2.2 Child Labor and Forced Labor: Ensure all workers are 18 Years old and above, and no child, forced, involuntary or unpaid labor will be used in any works.
- 2.3 Labor influx: The contractor should use workers from the local communities as possible. Some parts of the activities including special works that require skilled labors, these tasks may undertake by appropriately skilled workers from the targeted areas and when not available, the contractors may hire skilled laborers from nearby areas. Gender-based Violence (GBV)/Sexual Exploitation and Abuse (SEA)/Sexual Harassment (SH): The contractor and its workers should sign the Code of Conduct and ensure workers respect and adherence to the Code of Conduct CoC for the local community's protection and do no harm. Ensure that workers respect local community cultures, and social safeguard issues on Gender, SEA/H, and GBV. Raise awareness on the GRM system and how it can be used to report any GBV cases.
- 2.4 Community Health and Safety: The contractor shall protect the local communities from any risks that might be generated during the implementation including exposure to the virus (COVID-19) and as mentioned in the OHS plan above.
- 2.5 Occupational Health and Safety (OHS): The contractor shall maintain occupational health and safety system in the site to protect workers from hazards and risks and provide adequate health and safety training¹⁸, required PPE, first aid box, and toilets and potable drinking water, and as mentioned in the OHS plan above.
- 2.6 Overtime Work: The contractors shall provide workers basic wages per hour of overtime on normal working days and on the day of weekly rest, and official holidays and leave, in addition to the entitlement to standard wages for such holidays according to the Yemeni Laws.
- 2.7 Gender and Social Inclusion: Contractors to adopt a non-discrimination in job opportunities during the implementation to ensures a non-discriminatory and inclusive manner, including women, and as mentioned in the Environmental and Social Management Plan.

¹⁸ This project will be implemented by national / traditional contractors. However the contractor will be responsible for providing training and PPE for each worker

- 2.8 Training of workers: PWP staff and Contactors shall provide the workers with required training and daily toolbox talk in the OHS, GBV, SEA, GRM, and as mentioned in the Environmental and Social Management Plan.
 - 2.9 Addressing worker grievances: Contactors shall provide the work site with a GM system for all workers (community and contracted workers) including providing the complaints box and the project board with complaint means. The mechanism will also allow for anonymous complaints to be raised and addressed. Training on handling grievance in positive manner shall be provided to the contractor.
 - 2.10 Insurance: the contractor shall provide an insurance for any injury happen for any worker or any other third party got injured inside the site place.
3. Supply and implement roadblocks and traffic signs to prevent the entry of non-workers to work sites (zinc - timber - concrete blocks - warning tapes - traffic signs).
 4. Conduct work section by section and to keep enough access to spaces on both sideways open and clear from any materials for continuous access of pedestrians, residents including disabled persons in the targeted sub-streets sections.
 5. Conduct work of stone paving by using as possible manual labor that resides in the local areas where the works are conducted except for manholes work as well trained and skilled workers only allowed to work with full supervision.
 6. Assign a permanent safety supervisor to follow up the implementation of an environmental and social management plan as well as OHS requirements during the implementation of work activities at the site
 7. Apply a safety work permit system for all working activities at the site to ensure full implementation of ESMP and OHS requirements.
 8. Supply of personal safety equipment and tools including boots, helmets, gloves, goggles, masks, earplugs, safety belts, air breathing apparatus, full body harness etc. in quantities enough for all laborers at the expense of the contractors and ensure the adherence of using by all.
 9. Provide first aid boxes in the worksites (as per the emergency response plan) which contain (adhesive plaster of different sizes - sterile gauze - scissors – disinfectant- forceps - etc.).
 10. Provide a contingency plan containing the names and numbers of the nearest health center and local assistants, the routes to be used, and the means of transport.
 11. All necessary PPEs and COVID protection gears required for the job are distributed to each worker who will be participating in the implementation.
 12. Ensure adherence to COVID-19 precautionary measures and social distancing is applied in the worksite and hygiene kits (water and soap) are available.
 13. Construction of bathrooms of dimensions of 1.5 × 1 meters and a temporary height of 2.0 meters of zinc, wood, or plank, etc., and temporary hand washing basins.
 14. Provision of water for these bathrooms and or trenches with covers and obliging all workers and supervisors to use them.
 15. Separate the material and store them accordingly and provide enough space for movement and maneuvering.
 16. Removal of all waste during the implementation period to a dedicated location outside the work area (allocated landfills) and following the instructions of the consultant.
 17. Commit to placing disturbing equipment away from populated places and operating them at the appropriate times.
 18. Commit to storing hazardous materials away from workers and sensitive zones and watercourses and not to change oils or leave grease residue in the work area.

19. Commit to the repair of public services (electricity, telephone, water, sewage) that are broken during the implementation of the project.
20. The Contractors shall coordinate with the competent authorities to regulate the traffic in the streets and shall not start work in any street until the completion of works in other streets to facilitate movement.
21. Report immediately any accident or injury occurring during the execution of the work and within a maximum period of 24 hours.
22. Conduct awareness sessions about OHS before the beginning of work by the contractors this includes hazards associated with the activity, mitigation measures, workers' responsibility, GRM, sexual harassment, abuse, and gender-based violence as well as the disciplinary action against any violation.
23. The contractors shall adhere to the use of the Permit to Work system (PTW) for all activities and ensure all workers are aware of the system.
24. Contractors must address the risk of gender-based violence, through:
 - 24.1.1 Mandatory and repeated training and awareness-raising for the workforce about refraining from unacceptable conduct toward local community members, specifically women.
 - 24.1.2 Informing workers about national laws that make sexual harassment and gender-based violence a punishable offense that is prosecuted.
 - 24.1.3 Introducing a Worker Code of Conduct as part of the employment contract, and including sanctions for non-compliance (e.g., termination)
 - 24.1.4 Adopting a policy to cooperate with law enforcement agencies in investigating complaints about gender-based violence.
25. Contractors must not employ workers below the age of 18 and must ensure verification of documents is conducted before hiring.
26. Provide proof of insurance for all laborers, including the third party, before the implementation of the project.
27. Commit to not use any type of explosive materials for the extraction of stones required for the project or any relevant works.
28. Movement of Trucks and Construction Machinery: The Contractors moving solid or liquid construction materials and waste shall take strict measures to minimize littering of roads by ensuring that vehicles are licensed and loaded in such a manner as to prevent falling off or spilling of construction materials. This could be done by sheeting the sides and tops of all vehicles carrying mud, sand, other materials, and debris. Construction materials should be brought from registered sources in the area and debris should be transferred to assigned places in the landfill with a documented confirmation.
29. Traffic Safety Measures: The Contractors shall provide, erect, and maintain such traffic signs, road markings, barriers, and traffic control signals, and other measures as may be necessary for ensuring traffic safety around the rehabilitation site. The Contractors shall not commence any work that affects the public motor roads and highways until all traffic safety measures necessitated by the work are fully operational.
30. Gas, Noise and Dust Control: The Contractors shall take all practicable measures to minimize nuisance from noise, vibration, and dust caused by heavy vehicles and construction machinery. This includes:
 - Respecting normal working hours in or close to residential areas
 - Maintaining equipment in a good working order to minimize extraneous noise from mechanical vibration, creaking, and squeaking, as well as emissions or fumes from the machinery.
 - Shutting down equipment when it is not directly in use.
 - using operational noise mufflers

- Provide a water tanker and spray water when required to minimize the impact of dust.
 - Limiting the speed of vehicles used for construction.
 - Environmental training on machinery efficiency, the importance of maintenance, transportation efficiency and good practice usage of machinery in order to mitigate impacts from dust, gas, noise and climate change.
31. Protection of the Existing Installations: The Contractors shall properly safeguard all buildings, structures, works, services, or installations from harm, disturbance, or deterioration during the concession period. The Contractor shall take all necessary measures required for the support and protection of all buildings, structures, pipes, cables, sewers, and other apparatus during the concession period and will be required to repair any damage that may occur, in coordination with the Municipality and the relevant authorities.
32. Working in rainy seasons is not allowed where there is a risk of flooding, endangering workers or equipment.

OHS related to sanitation works as part of paving projects

33. Applying confined spaces work permit system when working in the manholes or closed drainage systems;
34. Implement gas indicator and required ventilation to ensure the absence of toxic or harmful gases during working in manholes or closed water storm drainage systems/canals;
35. Provide self-contained breathing apparatus (Air cylinders) to all workers when working in the confined spaces such as manholes or storm water drainage canals;
36. Provide full-body harness and lifelines and gas detectors when working in the confined spaces (Sewer manholes) or canals;
37. Ensure presence of extra air breathing apparatus
38. Ensure workers spend very limited time in confined areas
39. Fencing the work site area by zinc to ban any citizens get in to the work area
40. to not open any work unless the enough fence and excavation sides support are available in the subprojects sites.
41. A protected site from sunshine and rainfall is provided for pipes and cements
42. Spray water during backfilling
43. At the old cities and beside old buildings, and narrow streets, use small compactor with low vibration or hand compactor.
44. The contractor should be fully complied to all instructions; otherwise, according to the contract documents, suitable sanctions should be applied depending on the severity of the expected risk from this noncompliance, such as alert, final alert, and terminating the contract.

OHS related to rainwater drainage channels as part of paving projects

45. Periodic inspection to ensure the safety of stairs before and during work
46. Make sure that the stone cutting equipment is in good condition and safe to use.
47. Stones are stored and arranged in the workplace and ensure that the road is not blocked, traffic is obstructed or that risks are caused to passers-by and workers.

48. -The use of explosives is strictly prohibited and the contractor is responsible for non-compliance in the subprojects sites or in stones quarries if any.
49. Applying Occupational health and safety regulations
50. Use safety gloves while dealing with or running sharp objects or adhesives.
51. Wear safety shoes during the implementation of closures and lay iron rods.
52. Wearing long rubber safety shoes is mandatory while mixing and pouring concrete.
53. Ensure the safety of the air surrounding the confined areas before each entry and measure oxygen and toxic gases concentrations and provide adequate lighting, and provide the necessary tools and devices such as a respirator, hydrogen sulfide meter, safety belts, helmets and paws
54. The slabs supporting wood used should be in excellent condition, in addition to the supervising engineer's assurance of the quality of the proper support work with wood or iron.
55. Locate cement mixing equipment on flat fixed ground to avoid falling during operation and to stay away from traffic

6.3 Environmental and Social Liabilities for Contractors

Contractors will be legally and financially accountable for any environmental or social damage or prejudice caused by their workers and it is thus expected that controls and procedures are put in place to manage environmental and social performance. These will include:

- Mitigation measures to be included in the contract will be specified in the subproject bidding documents.
- Deductions for environmental noncompliance will be added as a clause in the Bill of Quantities (BOQ) section.
 - The contractor should be fully complied to all instructions; otherwise, according to the contract documents, suitable sanctions should be applied depending on the severity of the expected risk from this noncompliance, such as alert, final alert, and terminating the contract.
- Environmental penalties shall be calculated and deducted in each submitted invoice.
- Any impact that is not properly mitigated will be the object of an environmental/social notice by PWP.
- For minor infringements and social complaints: if an incident occurs, which causes temporary but reversible damage, the contractors will be given the notice to remedy the problem and restore the environment. No further actions will be taken if the PWP project engineer confirms that restoration is done satisfactorily.
- For social notices, the PWP project engineer will alert the contractors to remedy the social impact and to follow the issue until solved. If the contractor does not comply with the remediation request, work will be stopped and considered under no excused delay.
- If the contractors have not remedied the environmental impact during the allotted time, the PWP will stop the work and give the contractors a notification indicating a financial penalty according to the non-compiled mitigation measure that was specified in the bidding document. No further actions will be required if that restoration is done satisfactorily. Otherwise, if Contractors have not remedied the situation within one day any additional days of stopping work will be considered no excused delay.
- In the event of repeated non-compliance totaling 5% of the contract value, the Project Engineer will bring the environmental and social notices to the PWP procurement to take legal action.

7 Environmental and Social Monitoring Plan

The implementation of the mitigation measures will be monitored through daily checks by the resident engineers, biweekly by the OHS/SES staff at the branches as well as monthly visits by PWP subareas managers and the regular TPM and UNOPS field monitoring visits. Following aspects will be monitored (though the list will keep updated to accommodate any emerging issues or updated aspects that may be recommended by the monitoring reports):

Action	Indicators	Responsible ¹⁹	Timeframe
Ensure contractors and their workers signed the Code of Conduct CoC and they are aware to respect the local community's protection and do no harm.	Contractors, and their workers signed on the Code of Conduct CoC Number of complaints received.	PWP Safeguard/ Contractor/ Resident Engineer/ Gender Focal Point	Before commencement of work
Adherence of contractor to permit to work system for activities as identified by the risk assessment ²⁰ and ensuring all safety measures for the task is in place	Number of permits issued for activities	Contractor/ Resident Engineer/ PWP safeguard	Daily as required
All OHS requirements for the subproject are identified and available in the place.	Incorporating OHS requirements into project documents. Number of incidents	Subarea Staff Resident Engineer	Within one week before commencement of work
Signboard with GRM contact details in place	Signboard with GRM contact details in place	Subarea Staff Resident Engineer	Within one week before commencement of work
Providing a complaint box, in addition to making awareness-raising and distributing phone numbers.	Providing a complaint box, number of	Subarea Staff Resident Engineer	Bi-weekly

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- ¹⁹ The indicators are shared between the Responsible agencies, some of them are the responsible for implement the action and others are responsible for monitoring the actions' implementation according to the level of the position.
 - ²⁰ Risk assessment should be undertaken once in the project cycle and when its required as when we have new activities in the subprojects or when a sever accident happened, in which the risks and their mitigation measures should be attached with sub-project documents.

	awareness-raising and brochures distributing		
Regular awareness sessions to communities and workers aware of the safety requirements are conducted	Number of awareness sessions to communities and workers	Resident Engineer	Weekly
Regular awareness sessions to communities, community committee, and workers about the use of GM	Number of awareness sessions to communities and workers	Subarea Staff Resident Engineer Gender Focal Point	At the onset of subprojects and regularly
Regular awareness sessions to communities, community committee, and workers about the historical value of the worksite and the importance of reporting any archaeological discoveries	Number of awareness sessions to communities, a community committee, and workers about archaeological discoveries management procedures	Subarea Staff Resident Engineer Antiquities Authority	Before commencement of the work
Availability of the correct type of PPE and the adherence to proper use of PPE by all workers	PPES check list	Contractor/ Resident Engineer	Before commencement of the work
All accidents and incidents are reported to head office within 24 hours and communicated to UNDP	Number and types of accidents, and injuries recorded	Contractor/ Resident Engineer	within 48 hours
An emergency response plan with details of the nearest hospital or medical center shall be in place and responsibilities are understood by all workers. First aid boxes are available and a list of trained First aiders is posted and known by all workers	Emergency plan banner in the site photo Photos that reflect workers training in the emergency plan Photo for the first aid box on site	Contractor/ Resident Engineer / Safeguard Specialist	From the beginning of the implementation

Inspections are conducted to verify the safety measures are in place and documented	Forms and reports filled in every visit	Subarea Staff Resident Engineer	Daily Monthly Bi-monthly
No child labor is permitted, and workers must be 18 years or older. Verifying age by checking IDs and other available documents. Ensure a Labor Log is available, and all workers are registered	Number of child labor (employed/used) Labor log and IDs	Contractor/ Resident Engineer / Community Committee	Daily
Ensure full adherence to COVID-19 precautionary measures by all those involved in the implementation of the subprojects.	Number of workers wearing PPEs Number of workers have a fever	Subarea Staff Resident Engineer	Before commencement of work
Ensure all activities that require specific skills are done by skilled workers.	Number of skilled workers	Resident Engineer	Daily
Tools and equipment to be regularly maintained and inspected to ensure they are of acceptable quality and in good working condition for the required activity	Results of the periodically report	Resident Engineer	Weekly Monthly
Involvement of the community in the supervision of the implementation of the subproject and report any findings	No. of GRM complaints from the community	Community Committee Subarea Staff Gender Focal Point	Bi-monthly
All construction works are to be conducted during daylight and no work to be done at night	No. of GRM complaints	Resident Engineer Community Committee	Daily
air pollution, gas emissions, noise, waste, and traffic management	Amount of fumes /dust observed Society Complaints on the noise level or waste at work site	Resident Engineer	Daily
Trees planting shall be conducted as BOQs	Number of planted native trees Photos	Resident Engineer Sub-area staff	Before invoice No. 1
Ensuring awareness is raised regarding Gender-Based Violence GBV and Sexual Harassment SH	Number of awareness sessions Photos	Gender Focal Point / Resident Engineer / Community Committee	Daily

among all workers as well as the community. Ensure laws are enforced for any violations			
GBV/SEA/SH (if occurs) are reported in accordance with the law	Reports	Gender Focal Point /Resident Engineer / Community Committee	When happen
Ensure latrines and handwashing stations are available and supplied with water	Photos	Contractor/ Resident Engineer	Daily
Ensure non-discrimination and inclusion of women and persons with disabilities when selecting beneficiaries	Photos of women awareness GRM complaints	Gender Focal Point / Subarea staff / Resident Engineer / Safeguard Specialist / Community Committee	Before commencement of work and during the implementation
Deliver awareness to the local community members including women, marginalized groups on gender and GBV.	Photos for the awareness seasons	Gender Focal Point / Subarea staff / Resident Engineer / Safeguard Specialist / Community Committee	During the project's preparation stages and the implementation
Monitoring and reporting GBV and SH issues . Ensure GM cases related to GBV and SH are well treated and mitigated as a priority .	Number of recorded grievances	Gender Focal Point / Safeguard Specialist / GRM Specialist	Daily
Ensure no explosives are used in the sub-projects and all workers are aware of this.	The supervisor daily form The outputs of the inspection visits	Contractor/ Subarea staff / Resident Engineer / Safeguard Specialist / Community Committee	Daily
Ensure no financial exploitation of communities or beneficiaries	GRM complaints	Subarea staff / Resident Engineer / Safeguard Specialist / Community Committee	Weekly Monthly
Monitoring during operation phase			
Community satisfaction	Number of grievances raised and types	Community Committee	
Road safety/accidents	Number of accidents compared to previous ones	Community Committee	

Flooded areas	Decrease in the amount of flooded areas/zones	Community Committee	
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Table 10 Environmental and Social Monitoring Plan

8 Stakeholders Engagement Plan and Public Consultation:

The stakeholders' engagement has been conducted by engaging all parties that will be targeted in these interventions including relevant local authorities, communities' leaders, and local communities. The stakeholders' engagement activities include sharing communities' needs, deciding the priorities, and developing the subprojects designs and plans. Public consultations have been conducted by PWP social consultants' teams (male and female) to inform the local community of the activities to take place and get feedback. Precautionary measures were taken to avoid the spread of COVID-19; social distancing was applied and implemented, outdoor consultations were held, masks were distributed, and all attendees were required to wear them. The full list of attendance is in (annex 4). >

Sub Project Intervention	Consultation Date	Consulted Beneficiaries		
		Male	Female	Total
Stone paving for ALSOLA'A neighborhood and ALMAHAL neighborhood (phase 1-Lot A), Stone paving for ALSOLA'A neighborhood and ALMAHAL neighborhood (phase 1-Lot B), Dhamar governorate	2/12/2021	48	9	57
Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa- Lot A, Zinjibar, Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa- Lot B Zinjibar Abyan governorate	12/01/2022	22	16	38
Stone paving for Post Office area and Al-Nasser Hospital neighborhoods (phase2), Al-Dhalea governorate	19/01/2022	13	5	18
Total		83	30	113

Table 11 subprojects Consultation Date

Topics of the Consultations:

- Ensure that communities' needs are in line with their priorities.
- Inform local communities about the activities to be undertaken, the sub-projects timetable, and the work plan.
- Inform them about their rights to have a job opportunity during implementation.
- Raise their awareness about subproject's potential risks such as safety, health, environmental, and social risks and required control measures.
- Inform them about their roles in monitoring the compliance of contractors and workers in the worksites and their rights to give their concerns.

- Document and address the local communities' concerns, expectations, and feedback.
- Ensure the participation of subproject beneficiaries both females and males.
- Discuss the positive impacts that the subprojects will have for improving services to the beneficiaries.
- Inform them that the road traffic may temporarily be interrupted during implementation and how to coordinate with subproject supervisors and contractors to manage the traffic.
- Raise their awareness regarding social safeguards such as GBV, SH, and abuse, that may occur during the implementation and the required measures that should be taken in case of occurrence.
- Inform them about how to use the GRM to give their opinions regarding social safeguard, OHS, and any complaints and concerns without fear.
- Raise their awareness for the COVID-19 pandemic and the measures to protect themselves and their families and inform them that during the implementation the control measures for covid-19 will be applied.
- Raise their awareness regarding other diseases such as Cholera.
- Distribution of awareness posters about OHS, COVID-19, GRM, and Gender with all beneficiaries to contribute to building positive culture regarding safeguard.

8.1 Public Consultation Findings and Feedback

The consultation process took the form of face-to-face and group interviews with local communities' members (both males and females) and feedback collected through questionnaires and discussion. The COVID-19 control measures have been applied during the consultation such as distribution masks, provide hand sanitizers, and maintain a distance of at least 1.5 meters between consulted people. The consultation starts with a brief explanation of the nature and objectives of the subproject and potential impact and proposed mitigation measures. The consulted beneficiaries prioritize their needs which in this case are stone paving. The consulted beneficiaries have expressed their support to targeted subprojects as it will have positive social impacts on the community. No concerns regarding land, noise, nor SEA/SH have been expressed by the beneficiaries, only some concerns are raised during the construction phase such as the provision of temporary latrines for workers, taking care of underground services and water pipes during construction and excavation. Ensure that all construction waste will be transferred to designated area.

8.2 Sustainability of Subproject and Community Ownership

PWP engages all affected parties of subprojects within the subprojects cycle, consultations are conducted at various stages including consultation with the communities for selection of interventions based on focal group discussions with women and men, formation of the Community committees by electing members including female members with the total number of 9 male and 1 females, training on various aspects for operation and maintenance. Also, coordination with Local Authorities / Councils to inform on activities taking place, the possibility of their role in operation and maintenance, their role as facilitators in case of security issues or any disputes, etc. As well as coordination with other IPs such as SFD, UNICEF, other Clusters such as WASH

and other agencies in the Field. Furthermore, PWP conducts public feedback sessions with targeted communities during site visits to listen to their concerns and feedback as well as to ensure their acceptance of the interventions.

8.3 Stakeholders Engagement Plan

PWP will continue to engage the stakeholders during the subproject's implementation through conducting meetings with beneficiaries, community committees, and local authorities to discuss any raised issues, implementation aspects, as well as listen to stakeholders' concerns and feedback. Subarea's managers will conduct monthly meetings with community committees around four to six times during the implementation to coordinate with them for the implementation and safeguard issues, conducting awareness and training sessions regarding safeguard requirements and their monitoring roles. Also, PWP resident engineers will be in continuous cooperation and coordination with the community committees at the sites to discuss any issues that might be raised. Furthermore, different meetings with the local authorities may be conducted to work in cooperation to facilitate the implementation. In addition, at the end of implementation, meetings with beneficiaries, community committees, and local authorities will be conducted to prepare for the subproject submission and operation process . Also, to conduct the training for beneficiaries and community committees on the project operation and maintenance to ensure subprojects sustainability.





Stone paving of middle road from Nasher Studio to Al-Haferah Factory + Faisal house to Al-Aqsa-Lot **A&B**, Zinjibar, Abyan governorate



Stone paving for Post Office area and Al-Nasser Hospital neighborhoods (phase2), Al-Dhalea governorate

Table 12 Stakeholders Engagement

Capacity Building

According to the ESMF, UNOPS and PWP will conduct capacity building for different levels in all subproject's life cycle. An annual comprehensive training will be done for PWP main and sub-areas staff in which revision and updates had been reflected according to the World Bank's new ESF. During the public consultation, awareness was given covering all topics in section 8.1. the executive staff ²¹as the main part in managing projects implementation at the governorates level will have training seasons in place their responsibilities, liabilities, risk\impact assessment, and mitigation measures plan are represented and they should sign their commitment to these procedures. Also, another training will take place for resident engineers where every person's responsibilities, implementation procedures, needed forms, risk assessment methods, and general OHS procedures will be given. In site handing to the contractor, PWP sub-area representatives will conduct awareness sessions for workers, community committees, and some of the community members that will represent the required Environmental, social, and OHS

²¹ The contractor, supervisor engineer, and contractor OHS assistant.

aspects needed in the implementation phase. During the implementation phase, different awareness sessions should be done in the different sub-projects period. The supervisor engineer with help from the contractor OHS assistant will conduct daily awareness session as possible in which daily expected risks in daily works should be reflected for workers. GBV&SEA, GRM, code of conduct, and Covid-19 procedures will be part of this awareness as well. Every two weeks, PWP sub-area assistant will aware workers and local communities during his site visit. Everyone month, PWP sub-area managers will raise the workers and the local community awareness as well. On-site handing over occasion, project maintenance procedures shall be given to local authorities and communities' committees as part of the project closing phase.

9 Grievance Mechanism

As part of an ongoing move to improve its accountability, PWP has developed a GM system for managing, responding to, and monitoring issues within its Programs. The accumulated experience in PWP to respond and interact with all partners and beneficiaries enables it to improve and adopt an efficient GM, focusing on institutionalizing the experience in dealing with complaints and mainstream it in the system context including MIS. GM awareness sessions have been conducted to explain the mechanism and introduce the system to the local communities, including female members and workers. GM brochures distributed to the local community that have full details on the system and complaint boxes placed in the subproject sites which will be opened weekly in a formal meeting with supervision from the local community committee -that is selected earlier during the early intervention stage and is usually consisted of 50% males and 50% females-. The complaints are then registered and classified according to their type and raised to branch offices to be addressed and solved. Other communication means also introduced to beneficiaries and listed below

- Complaints box at subproject location which is open every week
- Telephone: 8002626
- SMS, Telephone, and What's Up Number 775626262
- Face to face by during visits of PWP teams.

PWP has GRM staff at HQs and locally at the subproject for GRM handling. Each complaint is resolved either at the field by the Supervisor, or the Branch Office Manager or raised to the HQ. Complain boxes are collected by PWP staff during bi-weekly field visits. Ensure registering all complaints and address all that can be resolved in the field. The designated GRM specialist monitors complaints to ensure they are resolved satisfactorily, and complaints are closed. Complaints received will be recorded and investigated and the person who submit the complaints will be notified with the updates of his/her case. Similarly, all complaints received anonymously will be treated at the same level and as seriously as other complaints. Every effort is made to resolve any issue at the community level and within a time frame of 14 days. UNOPS will monitor the implementation of the CHM system and follow up on pending complaints and provide any needed assistance in case PWP is not able to solve the complaints themselves or higher involvement is required through SRM- Stakeholder Response Mechanism- to help project-affected stakeholders, governments and other

partners jointly resolve concerns and disputes. GBV/SEA/SH related complaints will be managed within the overall GM in which complaints will be managed according to GBV action plan procedures. After one year, the GM system will be reviewed in order to improve it. For instance, by examining the nature of complaints, complaints made by which gender ,if the GM is adapted to women, if no women made complaints, ... etc.

Annex 1 – Environmental and Social Checklist

Sub-Project No.	09-5-11481	09-5-15545	12-5-11514	12-5-15546	20-5-14128
1: The Natural Environment	Answer (Minor, Moderate, Substantial, or High)				
1.1 Are there any environmentally sensitive areas or threatened species that could be adversely affected by the subproject (specify below)? Intact natural forests Riverine forest Wetlands (lakes/rivers/seasonally inundated areas) If yes, how far are the nearest wetlands (lakes, rivers, seasonally inundated [flooded] areas)? _____km Habitats of endangered species for which protection is required under Yemeni laws and/or international agreements Others (describe) (e.g. cultural sites, burial places, etc.)	NA NANA	NA NANA	NANANA	NA NANA	NA NANA
2.1 Are there any environmentally sensitive areas or threatened species that could be adversely affected by the subproject (specify below)? Habitats of endangered species for which protection is required under Yemeni laws and/or international agreements Others (describe) (e.g. cultural sites, burial places, etc.)	NA NA	NA NA	NA NA	NA NA	NA NA
2.Fauna and Flora					
2.1 Will subproject involves the disturbance or modification of existing drainage channels (rivers, canals) or surface water bodies (wetlands, marshes)?	NA	NA	NA	NA	NA
2.2 Will the subproject lead to the destruction or damage of terrestrial or aquatic ecosystems or endangered species directly or by induced development?	NA	NA	NA	NA	NA
2.3 Will the subproject lead to the disruption/destruction of wildlife through interruption of migratory routes, disturbance of wildlife habitats, and noise-related problems?	NA	NA	NA	NA	NA
3.Destruction/Disruption of Land and Vegetation					
3.1 Will the subproject lead to unplanned use of the infrastructure being developed?	NA	NA	NA	NA	NA
3.2 Will the subproject lead to long-term or semi-permanent destruction of soils in cleared areas not suited for agriculture?	NA	NA	NA	NA	NA

3.3 Will the subproject lead to the interruption of subsoil and overland drainage patterns (in areas of cuts and fills)?	NA	NA	NA	NA	NA
3.4 Will the subproject lead to landslides, slumps, slips, and other mass movements in soil?	NA	NA	NA	NA	NA
3.5 Will the subproject lead to erosion of lands?	NA	NA	NA	NA	NA
3.6 Will the subproject lead to health hazards and interference of plant growth by the dust raised and blown by vehicles?	NA	NA	NA	NA	NA
4. Protected areas					
4.1 Does subproject occur within/adjacent to any protected areas designated by the government (national park, national reserve, world heritage site, etc.)	NA	NA	NA	NA	NA
4.2 If the subproject is outside of, but close to, any protected area, is it likely to adversely affect the ecology within the protected area (e.g. interference with migration routes of mammals or birds)	NA	NA	NA	NA	NA
4.3 Would this project increase the current impact on the surrounding environment for example by using more water, chemicals, or machinery than previously? If yes HOW	NA	NA	NA	NA	NA
5. Geology and Soils					
5.1 Based on visual inspection or available literature, are there areas of possible geologic or soil instability (erosion-prone, landslide-prone, subsidence-prone)?	NA	NA	NA	NA	NA
5.2 Based upon visual inspection or available literature, are there areas that have risks of a large-scale increase in soil salinity?	NA	NA	NA	NA	NA
6 Landscape/aesthetics					
6.1 Is there a possibility that the subproject will adversely affect the aesthetic attractiveness of the local landscape?	Minor	Minor	Minor	Minor	Minor
7. Historical, archaeological or cultural heritage site					
7.1. Based on available sources, consultation with local authorities, local knowledge, and/or observations, could the subproject alter any historical, archaeological, or cultural heritage site or require excavation nearby?	NA	NA	NA	NA	NA
8. Resettlement and/or Land Acquisition					

8.1 Will the subproject require land acquisition? NA	NA	NA	NA	NA	NA
8.2 If so, will this land acquisition be involuntary?	NA	NA	NA	NA	NA
8.3 If so, will this involuntary land acquisition lead to relocation or loss of shelter, loss of assets, or access to assets?	NA	NA	NA	NA	NA
8.4 If so, will this involuntary land acquisition lead to loss of income sources or means of livelihood (whether or not affected persons must move to another location)?	NA	NA	NA	NA	NA
8.5 Will the subproject lead to involuntary restriction of access to legally designated parks and protected areas resulting in adverse impacts on the livelihoods of displaced persons?	NA	NA	NA	NA	NA
9. Noise pollution during Construction and Operations					
9.1 Will operating noise level exceeds allowable/ambient noise limits?	Minor	Minor	Minor	Minor	Minor
10. Solid or Liquid Wastes, including Medical Waste					
10.1 Will subproject generate large amounts of residual wastes (solid or liquid wastes), including medical waste?	Minor	Minor	Minor	Minor	Minor
10.2 If "Yes", does the subproject include plan for collection & disposal?	Minor	Minor	Minor	Minor	Minor
11. Pesticides, Insecticides, Herbicides or any other Poisonous or Hazardous Chemicals					
11.1 Will the subproject require the use of such chemicals?	NA	NA	NA	NA	NA
11.2 If, "Yes", does the subproject include plan for safe handling, use & disposal?	NA	NA	NA	NA	NA
12. Water and Soil Contamination					
12.1 Will the subproject require large amounts of raw materials/construction materials?	Minor	Minor	Minor	Minor	Minor
12.2 Will subproject generate large amounts of residual wastes, construction material waste, or cause soil erosion?	Minor	Minor	Minor	Minor	Minor
12.3 Will the subproject result in soil or water contamination (e.g. from oil, grease, and fuel from equipment)?	NA	NA	NA	NA	NA
12.4 Will the subproject lead to contamination of ground and surface water bodies by herbicides for vegetation control and chemicals for dust control?	NA	NA	NA	NA	NA

12.5 Will the subproject lead to an increase in suspended sediments in streams affected by road cut erosion, a decline in water quality & increased sedimentation downstream?	NA	NA	NA	NA	NA
12.6 Will subproject lead to the destruction of vegetation and soil in the right-of-way; borrow pits, waste dumps, and equipment yards?	NA	NA	NA	NA	NA
12.7 Will the subproject lead to the creation of stagnant water bodies in borrow pits, quarries, etc., encouraging mosquito breeding and other disease vectors?	NA	NA	NA	NA	NA
12.8 Will this project include the development of a large irrigation scheme?	NA	NA	NA	NA	NA
12.9 Will this project aims at improving an irrigation scheme (without expansion)?	NA	NA	NA	NA	NA
12.10 Will this project change the water quality and quantity in the project area or areas connected to it	NA	NA	NA	NA	NA
12.11 Will this project involve the intensification of production systems that leads to land-use changes (e.g. deforestation), higher nutrient inputs leading to soil or water pollution, changes in water regimes (drainage, irrigation)?	NA	NA	NA	NA	NA
13. Decent Work					
13.1 Will this project affect the current or future employment situation of the rural poor and in particular the labor productivity, employability, labor conditions, and rights at work of self-employed rural producers and other rural workers?	Minor	Minor	Minor	Minor	Minor
14. Gender					
14.1 Could this project risk overlook existing gender inequalities in access to productive resources, goods, services, markets, decent employment, and decision-making? For example, by not addressing existing discrimination against women and girls, or by not taking into account the different needs of men and women	Minor	Minor	Minor	Minor	Minor
15. Community Health, Safety, and Working Conditions					

15.1 Are indigenous peoples present in the Project area (including Project area of influence)?	NA	NA	NA	NA	NA
15.2 Is it likely that the Project or portions of the Project will be located on lands and territories claimed by indigenous peoples?	NA	NA	NA	NA	NA
15.3 Would the proposed Project potentially affect the human rights, lands, natural resources, territories, and traditional livelihoods of indigenous peoples?	NA	NA	NA	NA	NA
15.4 Would the Project adversely affect the development priorities of indigenous peoples as defined by them?	NA	NA	NA	NA	NA
15.5 Will this project permanently or temporarily removes people from their homes or means of production/livelihood or restrict their access to their means of livelihood?	Minor	Minor	Minor	Minor	Minor
15.6 Will the project bring about consolidation or adjustment of tenure rights?	NA	NA	NA	NA	NA
15.7 Would elements of Project construction, operation, or decommissioning pose potential safety risks to local communities?	Minor	Minor	Minor	Minor	Minor
15.8 Would the Project pose potential risks to community health and safety due to transport, storage, construction?	Moderate	Moderate	Moderate	Moderate	Moderate
15.9 Would the Project pose potential risks to community health and safety due to the use and/or disposal of hazardous or dangerous materials (e.g. explosives, fuel, and other chemicals during construction and operation)?	Minor	Minor	Minor	Minor	Minor
15.10 Would failure of structural elements of the Project pose risks to communities? (e.g. collapse of buildings or infrastructure)?	NA	NA	NA	NA	NA
15.11 Would the Project result in potential increased health risks (e.g. from water-borne or other vector-borne diseases)?	NA	NA	NA	NA	NA
15.12 Does the Project pose potential risks and vulnerabilities related to occupational health and safety due to physical, chemical, biological, and radiological hazards during Project construction, operation, or decommissioning?	Moderate	Moderate	Moderate	Moderate	Moderate

15.13 Will the Project activities cause any risks for workers during the construction?	Moderate	Moderate	Moderate	Moderate	Moderate
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Table 13 Environmental and Social Checklist

Annex2 – PWP Environmental and Social Responsiveness (ESR) Criteria at Proposal Stage

Note: To be selected and filled according to project type based on PWP baseline study

Proposal Title	Stone Paving in Urban Areas	
Proposal Location	Dhamar, Abyan, and Al-Dhalea Governorates	
ESR Criteria at the Proposal Stage	Confirmation	
	Write Yes or No	
Consultation with the local community including a community leader, men, women, and girls were conducted in the proposal stage regarding the design and location of the project. Their opinions were included in the proposal.	Yes	
Poor and vulnerable beneficiaries were defined, and the community was obliged to providing help for them in the road paving subproject implementation.	Yes	
The project will not have a significant adverse environmental and social impact	Yes	
The project will not raise land acquisition problems	yes	
Stakeholders are aware of the PWP policy and have agreed to follow/apply them towards a successful implementation of the urban road pavements.	Yes	
Targeted beneficiaries are highly in need of this project	Yes	
All communities including (Male, female, and children) will benefit from the intervention.	Yes	
The operation and maintenance requirements of the project were explained to the community, and an acceptable system was developed for this purpose	Yes	
Responsibility for operation and maintains are defined and committed	Yes	
Local communities are aware of project risks and GRM.	Yes	
The project will not cause any conflict among communities	Yes	
<i>If the answer to any of the above questions is 'NO' then the project will be dropped at the proposal stage. If the answer is 'Yes' then incorporating this information in the project proposal</i>		

Table 14 PWP Environmental and Social Responsiveness (ESR) Criteria at Proposal Stage

Annex 3 - PWP Checklist of Expected Environmental and Social Impacts to be Addressed at the Design Stage

Project Name	Stone Paving in Urban Areas	
Project Location	Dhamar, Abyan, and Al-Dhalea Governorates	
Check List of the E&S Issues to be Addressed for construction subproject at the Design Stage	Confirmation	
	Write Yes or NO	
The relevant authorities were consulted on the design and all their observations were taken into consideration.	Yes	
The design of the project will include the ES & OHS monitoring plan	Yes	
The project design will ensure local community participation during implementation.	Yes	
The design and the urban road contractual materials for example stone are in harmony with the surrounding environment and the architectural character of the village.	Yes	
GRM tools have been included in the project document.	Yes	
A safe work plan has been developed to project activities to control risks.		
OHS measures and Personal Protection Equipment (PPEs), were added to the bidding documents.	Yes	
Temporary latrine and wash hand facilities have been included in the project document.	Yes	
<i>If any of the answers are "No", then the reasons must be stated in the design report.</i>		

Table 15 PWP Checklist of Expected Environmental and Social Impacts to be Addressed at the Design Stage

Annex 4. – Public Consultation Reports (Social agreements & consultation attendance sheets) – Arabic >

اسماء المشاركين في الاجتماع من النساء -

الرقم	الاسم	رقم التلغون
1	فتحية ناصر محمد الشاوش	777425828
2	غدير عبده ثابت الشاوش	779635063
3	عائشة محمد مفتاح	779486948
4	زباد يحيى المولد	774728520
5	بشرى ناصر محمد عتيق	777202358
6	هناء احمد محمد الراجحي	774377189
7	امل محمد علي الكليبي	
8	سمر عايض محمد صالح	
9	حسناء علي حسين العزب	
10		
11		

اسماء المشاركين في الاجتماع من الرجال -

رقم التلغون	الاسم	رقم التلغون	الاسم
775202085	محمد طلي صالح رقيق	77732881	عبدالله ناصر الحجاز
776316113	احمد احمد محمد الشامي	777849765	خالد محمد صالح عيسى
777338720	ابراهيم محمد احمد الشبيبة	773118268	المتقاعد اولاد الابدني
770374390	احمد محمد سعد الموسوي	775014081	خضير محمد سعد الميثالي
773380875	ضياءه احمد محمد الشامي	777849765	محمد عليمه الشامي
772380960	حسن عبد السلام حسن عباد	770933780	هاتم يحيى انور يحيى
771617920	علي محمد علي الاشبط	771358188	حسن محمد بنوري عفيف
776316113	احمد صالح علي السناري	771206655	احمد محمد احمد فرحون
774669745	احمد عبد الكريم الشامي	778398183	خالد ناصر محمد شاشي
775771200	الكرم محمد علي الاشبط	771631139	رؤيم محمد الميثالي
778422938	حسين محمد سعد النمر	775452266	الكرم عايش حسن الشريف
773793749	يونس عبد الكريم الديلمي	770278460	خالد محمد صالح علي ناصر

لجنة المستفيدين التي تم اختيارها نساء ورجال

الاسم	الصفة	الرقم	رقم البطيقة
عبدالله راجح حسن هاجر	رئيسا	777551210	17010023578
محمد صالح احمد المنباني	عضوا	777961496	17010016927
علي عايض محمد الحسيني	عضوا	776062630	لا يوجد
فتحية ناصر محمد الشاوش	عضوا	777425828	1700002869

الجمهورية اليمنية
مشروع الأمدال العامة
وحدة إدارة المشروع

اسم المشروع: مشروع الأمدال العامة
رقم المشروع: 12/2012
تاريخ المشروع: 2012

110- الجهة المنظمة بجميع مساهمة المستفيدين ومشاركة تلقى المشروع:
1- جمعية موزونة في المنطقة من سافل
2- جمعية موزونة في المنطقة من سافل
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19- جمعية موزونة في المنطقة من سافل
20- جمعية موزونة في المنطقة من سافل

111- الجهة المنظمة للتشاور والمصادقة على الاتفاقية من قبل المستفيدين:
1- جمعية موزونة في المنطقة من سافل
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112- الجهة التي تم تنفيذها: (إتمام المرافق) من قبل القرى المستفيدة ومن جميع فئات المجتمع:
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113- رأي المستفيدين:
1- شوري
2- متوسط
3- غير شوري
4- غير شوري

تاريخ تنفيذ المشروع: 2012
تاريخ التوقيع: 2012

الجمهورية اليمنية
مشروع الأمدال العامة
وحدة إدارة المشروع

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تاريخ المشروع: 2012

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113- رأي المستفيدين:
1- شوري
2- متوسط
3- غير شوري
4- غير شوري

تاريخ تنفيذ المشروع: 2012
تاريخ التوقيع: 2012

مختصر لتفصيل لجنة مفوضة من قبل المستوطن من مشروع...
 اسم المشروع: ...
 رقم المشروع: ...

الاسم	الجنس	عمل	رقم بطاقة الشخصية / الفئة	رقم الهاتف	التاريخ	التوقيع
احمد صالح علي صالح	ز	عامل	1501018785	772026655		
احمد بن ابي عبد الله	ز	معلم	17010101860	77832193		
احمد بن عبد الله	ز	معلم	07010172225	771631139		
احمد بن عبد الله	ز	معلم	17010194157	775452226		
ابراهيم بن عبد الله	ز	معلم	17010133935	770278460		
احمد بن عبد الله	ز	معلم	17010118149	775222065		
احمد بن عبد الله	ز	معلم	17010127921	776314113		
احمد بن عبد الله	ز	معلم	17010143517	772329720		
احمد بن عبد الله	ز	معلم	17010226064	770374390		
احمد بن عبد الله	ز	معلم	17010225327	773380875		
احمد بن عبد الله	ز	معلم	17010041558	772380960		
احمد بن عبد الله	ز	معلم	17010283572	771677720		
احمد بن عبد الله	ز	معلم	17010210211	776314113		
احمد بن عبد الله	ز	معلم	17010267776	774683745		
احمد بن عبد الله	ز	معلم	17010133935	775711200		
احمد بن عبد الله	ز	معلم	17010226064	778422938		
احمد بن عبد الله	ز	معلم	17010118149	773737449		
احمد بن عبد الله	ز	معلم	17010176933	772727474		

اسم المشروع: ...
 جهة الاتصال في المنطقة: ...
 توقيع مدير المنطقة: ...



توقيع مدير المنطقة
 توقيع مدير المنطقة الفرعية



الاسم	الجنس	عمل	رقم بطاقة الشخصية / الفئة	رقم الهاتف	التاريخ	التوقيع
احمد بن عبد الله	ز	معلم	17010118149	77551210		
احمد بن عبد الله	ز	معلم	17010118149	77067786		
احمد بن عبد الله	ز	معلم	17010118149	77271496		
احمد بن عبد الله	ز	معلم	17010118149	770116595		
احمد بن عبد الله	ز	معلم	17010118149	773617143		
احمد بن عبد الله	ز	معلم	17010118149	775823355		
احمد بن عبد الله	ز	معلم	17010118149	775811456		
احمد بن عبد الله	ز	معلم	17010118149	774218925		
احمد بن عبد الله	ز	معلم	17010118149	77525629		
احمد بن عبد الله	ز	معلم	17010118149	775491421		
احمد بن عبد الله	ز	معلم	17010118149	77046221		
احمد بن عبد الله	ز	معلم	17010118149	773535292		
احمد بن عبد الله	ز	معلم	17010118149	77252929		
احمد بن عبد الله	ز	معلم	17010118149	773224925		
احمد بن عبد الله	ز	معلم	17010118149	772893099		
احمد بن عبد الله	ز	معلم	17010118149	772086007		
احمد بن عبد الله	ز	معلم	17010118149	77181510		
احمد بن عبد الله	ز	معلم	17010118149	77396582		
احمد بن عبد الله	ز	معلم	17010118149	774628445		
احمد بن عبد الله	ز	معلم	17010118149	773227221		
احمد بن عبد الله	ز	معلم	17010118149	77522070		
احمد بن عبد الله	ز	معلم	17010118149	776218497		
احمد بن عبد الله	ز	معلم	17010118149	779328411		
احمد بن عبد الله	ز	معلم	17010118149	77494765		
احمد بن عبد الله	ز	معلم	17010118149	773118268		
احمد بن عبد الله	ز	معلم	17010118149	775014081		
احمد بن عبد الله	ز	معلم	17010118149	772849765		
احمد بن عبد الله	ز	معلم	17010118149	770933188		
احمد بن عبد الله	ز	معلم	17010118149	771358128		

اسماء اعضاء اللجنة الوظيفية

الاسم	الجنس	عمل	رقم بطاقة الشخصية / الفئة	معدة	التاريخ	التوقيع
احمد بن عبد الله	ز	معلم	17010233030	دعامة	10/10/2016	
احمد بن عبد الله	ز	معلم	1701016922	دعامة	11/2/2014	
احمد بن عبد الله	ز	معلم		دعامة	3	
احمد بن عبد الله	ز	معلم	17010022869	دعامة	3/6/2006	



محضر اتفاق بين مشروع الأشغال العامة والمجتمع المحلي بالالتزام بجميع متطلبات الحماية البيئية والاجتماعية والمساعدة في تنفيذ نشاطات المشروع بصورة آمنة

أنا في هذا الموقع الموافق 20/10/2023 تم التزول الميداني الى موقع المشروع
من قبل فريق مشروع الأشغال العامة وهم: 1- 2- 3- 4- 5- 6- 7- 8- 9- 10- 11- 12- 13- 14- 15- 16- 17- 18- 19- 20- 21- 22- 23- 24- 25- 26- 27- 28- 29- 30- 31- 32- 33- 34- 35- 36- 37- 38- 39- 40- 41- 42- 43- 44- 45- 46- 47- 48- 49- 50- 51- 52- 53- 54- 55- 56- 57- 58- 59- 60- 61- 62- 63- 64- 65- 66- 67- 68- 69- 70- 71- 72- 73- 74- 75- 76- 77- 78- 79- 80- 81- 82- 83- 84- 85- 86- 87- 88- 89- 90- 91- 92- 93- 94- 95- 96- 97- 98- 99- 100- 101- 102- 103- 104- 105- 106- 107- 108- 109- 110- 111- 112- 113- 114- 115- 116- 117- 118- 119- 120- 121- 122- 123- 124- 125- 126- 127- 128- 129- 130- 131- 132- 133- 134- 135- 136- 137- 138- 139- 140- 141- 142- 143- 144- 145- 146- 147- 148- 149- 150- 151- 152- 153- 154- 155- 156- 157- 158- 159- 160- 161- 162- 163- 164- 165- 166- 167- 168- 169- 170- 171- 172- 173- 174- 175- 176- 177- 178- 179- 180- 181- 182- 183- 184- 185- 186- 187- 188- 189- 190- 191- 192- 193- 194- 195- 196- 197- 198- 199- 200- 201- 202- 203- 204- 205- 206- 207- 208- 209- 210- 211- 212- 213- 214- 215- 216- 217- 218- 219- 220- 221- 222- 223- 224- 225- 226- 227- 228- 229- 230- 231- 232- 233- 234- 235- 236- 237- 238- 239- 240- 241- 242- 243- 244- 245- 246- 247- 248- 249- 250- 251- 252- 253- 254- 255- 256- 257- 258- 259- 260- 261- 262- 263- 264- 265- 266- 267- 268- 269- 270- 271- 272- 273- 274- 275- 276- 277- 278- 279- 280- 281- 282- 283- 284- 285- 286- 287- 288- 289- 290- 291- 292- 293- 294- 295- 296- 297- 298- 299- 300- 301- 302- 303- 304- 305- 306- 307- 308- 309- 310- 311- 312- 313- 314- 315- 316- 317- 318- 319- 320- 321- 322- 323- 324- 325- 326- 327- 328- 329- 330- 331- 332- 333- 334- 335- 336- 337- 338- 339- 340- 341- 342- 343- 344- 345- 346- 347- 348- 349- 350- 351- 352- 353- 354- 355- 356- 357- 358- 359- 360- 361- 362- 363- 364- 365- 366- 367- 368- 369- 370- 371- 372- 373- 374- 375- 376- 377- 378- 379- 380- 381- 382- 383- 384- 385- 386- 387- 388- 389- 390- 391- 392- 393- 394- 395- 396- 397- 398- 399- 400- 401- 402- 403- 404- 405- 406- 407- 408- 409- 410- 411- 412- 413- 414- 415- 416- 417- 418- 419- 420- 421- 422- 423- 424- 425- 426- 427- 428- 429- 430- 431- 432- 433- 434- 435- 436- 437- 438- 439- 440- 441- 442- 443- 444- 445- 446- 447- 448- 449- 450- 451- 452- 453- 454- 455- 456- 457- 458- 459- 460- 461- 462- 463- 464- 465- 466- 467- 468- 469- 470- 471- 472- 473- 474- 475- 476- 477- 478- 479- 480- 481- 482- 483- 484- 485- 486- 487- 488- 489- 490- 491- 492- 493- 494- 495- 496- 497- 498- 499- 500- 501- 502- 503- 504- 505- 506- 507- 508- 509- 510- 511- 512- 513- 514- 515- 516- 517- 518- 519- 520- 521- 522- 523- 524- 525- 526- 527- 528- 529- 530- 531- 532- 533- 534- 535- 536- 537- 538- 539- 540- 541- 542- 543- 544- 545- 546- 547- 548- 549- 550- 551- 552- 553- 554- 555- 556- 557- 558- 559- 560- 561- 562- 563- 564- 565- 566- 567- 568- 569- 570- 571- 572- 573- 574- 575- 576- 577- 578- 579- 580- 581- 582- 583- 584- 585- 586- 587- 588- 589- 590- 591- 592- 593- 594- 595- 596- 597- 598- 599- 600- 601- 602- 603- 604- 605- 606- 607- 608- 609- 610- 611- 612- 613- 614- 615- 616- 617- 618- 619- 620- 621- 622- 623- 624- 625- 626- 627- 628- 629- 630- 631- 632- 633- 634- 635- 636- 637- 638- 639- 640- 641- 642- 643- 644- 645- 646- 647- 648- 649- 650- 651- 652- 653- 654- 655- 656- 657- 658- 659- 660- 661- 662- 663- 664- 665- 666- 667- 668- 669- 670- 671- 672- 673- 674- 675- 676- 677- 678- 679- 680- 681- 682- 683- 684- 685- 686- 687- 688- 689- 690- 691- 692- 693- 694- 695- 696- 697- 698- 699- 700- 701- 702- 703- 704- 705- 706- 707- 708- 709- 710- 711- 712- 713- 714- 715- 716- 717- 718- 719- 720- 721- 722- 723- 724- 725- 726- 727- 728- 729- 730- 731- 732- 733- 734- 735- 736- 737- 738- 739- 740- 741- 742- 743- 744- 745- 746- 747- 748- 749- 750- 751- 752- 753- 754- 755- 756- 757- 758- 759- 760- 761- 762- 763- 764- 765- 766- 767- 768- 769- 770- 771- 772- 773- 774- 775- 776- 777- 778- 779- 780- 781- 782- 783- 784- 785- 786- 787- 788- 789- 790- 791- 792- 793- 794- 795- 796- 797- 798- 799- 800- 801- 802- 803- 804- 805- 806- 807- 808- 809- 810- 811- 812- 813- 814- 815- 816- 817- 818- 819- 820- 821- 822- 823- 824- 825- 826- 827- 828- 829- 830- 831- 832- 833- 834- 835- 836- 837- 838- 839- 840- 841- 842- 843- 844- 845- 846- 847- 848- 849- 850- 851- 852- 853- 854- 855- 856- 857- 858- 859- 860- 861- 862- 863- 864- 865- 866- 867- 868- 869- 870- 871- 872- 873- 874- 875- 876- 877- 878- 879- 880- 881- 882- 883- 884- 885- 886- 887- 888- 889- 890- 891- 892- 893- 894- 895- 896- 897- 898- 899- 900- 901- 902- 903- 904- 905- 906- 907- 908- 909- 910- 911- 912- 913- 914- 915- 916- 917- 918- 919- 920- 921- 922- 923- 924- 925- 926- 927- 928- 929- 930- 931- 932- 933- 934- 935- 936- 937- 938- 939- 940- 941- 942- 943- 944- 945- 946- 947- 948- 949- 950- 951- 952- 953- 954- 955- 956- 957- 958- 959- 960- 961- 962- 963- 964- 965- 966- 967- 968- 969- 970- 971- 972- 973- 974- 975- 976- 977- 978- 979- 980- 981- 982- 983- 984- 985- 986- 987- 988- 989- 990- 991- 992- 993- 994- 995- 996- 997- 998- 999- 1000- 1001- 1002- 1003- 1004- 1005- 1006- 1007- 1008- 1009- 1010- 1011- 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1178- 1179- 1180- 1181- 1182- 1183- 1184- 1185- 1186- 1187- 1188- 1189- 1190- 1191- 1192- 1193- 1194- 1195- 1196- 1197- 1198- 1199- 1200- 1201- 1202- 1203- 1204- 1205- 1206- 1207- 1208- 1209- 1210- 1211- 1212- 1213- 1214- 1215- 1216- 1217- 1218- 1219- 1220- 1221- 1222- 1223- 1224- 1225- 1226- 1227- 1228- 1229- 1230- 1231- 1232- 1233- 1234- 1235- 1236- 1237- 1238- 1239- 1240- 1241- 1242- 1243- 1244- 1245- 1246- 1247- 1248- 1249- 1250- 1251- 1252- 1253- 1254- 1255- 1256- 1257- 1258- 1259- 1260- 1261- 1262- 1263- 1264- 1265- 1266- 1267- 1268- 1269- 1270- 1271- 1272- 1273- 1274- 1275- 1276- 1277- 1278- 1279- 1280- 1281- 1282- 1283- 1284- 1285- 1286- 1287- 1288- 1289- 1290- 1291- 1292- 1293- 1294- 1295- 1296- 1297- 1298- 1299- 1300- 1301- 1302- 1303- 1304- 1305- 1306- 1307- 1308- 1309- 1310- 1311- 1312- 1313- 1314- 1315- 1316- 1317- 1318- 1319- 1320- 1321- 1322- 1323- 1324- 1325- 1326- 1327- 1328- 1329- 1330- 1331- 1332- 1333- 1334- 1335- 1336- 1337- 1338- 1339- 1340- 1341- 1342- 1343- 1344- 1345- 1346- 1347- 1348- 1349- 1350- 1351- 1352- 1353- 1354- 1355- 1356- 1357- 1358- 1359- 1360- 1361- 1362- 1363- 1364- 1365- 1366- 1367- 1368- 1369- 1370- 1371- 1372- 1373- 1374- 1375- 1376- 1377- 1378- 1379- 1380- 1381- 1382- 1383- 1384- 1385- 1386- 1387- 1388- 1389- 1390- 1391- 1392- 1393- 1394- 1395- 1396- 1397- 1398- 1399- 1400- 1401- 1402- 1403- 1404- 1405- 1406- 1407- 1408- 1409- 1410- 1411- 1412- 1413- 1414- 1415- 1416- 1417- 1418- 1419- 1420- 1421- 1422- 1423- 1424- 1425- 1426- 1427- 1428- 1429- 1430- 1431- 1432- 1433- 1434- 1435- 1436- 1437- 1438- 1439- 1440- 1441- 1442- 1443- 1444- 1445- 1446- 1447- 1448- 1449- 1450- 1451- 1452- 1453- 1454- 1455- 1456- 1457- 1458- 1459- 1460- 1461- 1462- 1463- 1464- 1465- 1466- 1467- 1468- 1469- 1470- 1471- 1472- 1473- 1474- 1475- 1476- 1477- 1478- 1479- 1480- 1481- 1482- 1483- 1484- 1485- 1486- 1487- 1488- 1489- 1490- 1491- 1492- 1493- 1494- 1495- 1496- 1497- 1498- 1499- 1500- 1501- 1502- 1503- 1504- 1505- 1506- 1507- 1508- 1509- 1510- 1511- 1512- 1513- 1514- 1515- 1516- 1517- 1518- 1519- 1520- 1521- 1522- 1523- 1524- 1525- 1526- 1527- 1528- 1529- 1530- 1531- 1532- 1533- 1534- 1535- 1536- 1537- 1538- 1539- 1540- 1541- 1542- 1543- 1544- 1545- 1546- 1547- 1548- 1549- 1550- 1551- 1552- 1553- 1554- 1555- 1556- 1557- 1558- 1559- 1560- 1561- 1562- 1563- 1564- 1565- 1566- 1567- 1568- 1569- 1570- 1571- 1572- 1573- 1574- 1575- 1576- 1577- 1578- 1579- 1580- 1581- 1582- 1583- 1584- 1585- 1586- 1587- 1588- 1589- 1590- 1591- 1592- 1593- 1594- 1595- 1596- 1597- 1598- 1599- 1600- 1601- 1602- 1603- 1604- 1605- 1606- 1607- 1608- 1609- 1610- 1611- 1612- 1613- 1614- 1615- 1616- 1617- 1618- 1619- 1620- 1621- 1622- 1623- 1624- 1625- 1626- 1627- 1628- 1629- 1630- 1631- 1632- 1633- 1634- 1635- 1636- 1637- 1638- 1639- 1640- 1641- 1642- 1643- 1644- 1645- 1646- 1647- 1648- 1649- 1650- 1651- 1652- 1653- 1654- 1655- 1656- 1657- 1658- 1659- 1660- 1661- 1662- 1663- 1664- 1665- 1666- 1667- 1668- 1669- 1670- 1671- 1672- 1673- 1674- 1675- 1676- 1677- 1678- 1679- 1680- 1681- 1682- 1683- 1684- 1685- 1686- 1687- 1688- 1689- 1690- 1691- 1692- 1693- 1694- 1695- 1696- 1697- 1698- 1699- 1700- 1701- 1702- 1703- 1704- 1705- 1706- 1707- 1708- 1709- 1710- 1711- 1712- 1713- 1714- 1715- 1716- 1717- 1718- 1719- 1720- 1721- 1722- 1723- 1724- 1725- 1726- 1727- 1728- 1729- 1730- 1731- 1732- 1733- 1734- 1735- 1736- 1737- 1738- 1739- 1740- 1741- 1742- 1743- 1744- 1745- 1746- 1747- 1748- 1749- 1750- 1751- 1752- 1753- 1754- 1755- 1756- 1757- 1758- 1759- 1760- 1761- 1762- 1763- 1764- 1765- 1766- 1767- 1768- 1769- 1770- 1771- 1772- 1773- 1774- 1775- 1776- 1777- 1778- 1779- 1780- 1781- 1782- 1783- 1784- 1785- 1786- 1787- 1788- 1789- 1790- 1791- 1792- 1793- 1794- 1795- 1796- 1797- 1798- 1799- 1800- 1801- 1802- 1803- 1804- 1805- 1806- 1807- 1808- 1809- 1810- 1811- 1812- 1813- 1814- 1815- 1816- 1817- 1818- 1819- 1820- 1821- 1822- 1823- 1824- 1825- 1826- 1827- 1828- 1829- 1830- 1831- 1832- 1833- 1834- 1835- 1836- 1837- 1838- 1839- 1840- 1841- 1842- 1843- 1844- 1845- 1846- 1847- 1848- 1849- 1850- 1851- 1852- 1853- 1854- 1855- 1856- 1857- 1858- 1859- 1860- 1861- 1862- 1863- 1864- 1865- 1866- 1867- 1868- 1869- 1870- 1871- 1872- 1873- 1874- 1875- 1876- 1877- 1878- 1879- 1880- 1881- 1882- 1883- 1884- 1885- 1886- 1887- 1888- 1889- 1890- 1891- 1892- 1893- 1894- 1895- 1896- 1897- 1898- 1899- 1900- 1901- 1902- 1903- 1904- 1905- 1906- 1907- 1908- 1909- 1910- 1911- 1912- 1913- 1914- 1915- 1916- 1917- 1918- 1919- 1920- 1921- 1922- 1923- 1924- 1925- 1926- 1927- 1928- 1929- 1930- 1931- 1932- 1933- 1934- 1935- 1936- 1937- 1938- 1939- 1940- 1941- 1942- 1943- 1944- 1945- 1946- 1947- 1948- 1949- 1950- 1951- 1952- 1953- 1954- 1955- 1956- 1957- 1958- 1959- 1960- 1961- 1962- 1963- 1964- 1965- 1966- 1967- 1968- 1969- 1970- 1971- 1972- 1973- 1974- 1975- 1976- 1977- 1978- 1979- 1980- 1981- 1982- 1983- 1984- 1985- 1986- 1987- 1988- 1989- 1990- 1991- 1992- 1993- 1994- 1995- 1996- 1997- 1998- 1999- 2000- 2001- 2002- 2003- 2004- 2005- 2006- 2007- 2008- 2009- 2010- 2011- 2012- 2013- 2014- 2015- 2016- 2017- 2018- 2019- 2020- 2021- 2022- 2023- 2024- 2025- 2026- 2027- 2028- 2029- 2030- 2031- 2032- 2033- 2034- 2035- 2036- 2037- 2038- 2039- 2040- 2041- 2042- 2043- 2044- 2045- 2046- 2047- 2048- 2049- 2050- 2051- 2052- 2053- 2054- 2055- 2056- 2057- 2058- 2059- 2060- 2061- 2062- 2063- 2064- 2065- 2066- 2067- 2068- 2069- 2070- 2071- 2072- 2073- 2074- 2075- 2076- 2077- 2078- 2079- 2080- 2081- 2082- 2083- 2084- 2085- 2086- 2087- 2088- 2089- 2090- 2091- 2092- 2093- 2094- 2095- 2096- 2097- 2098- 2099- 2100- 2101- 2102- 2103- 2104- 2105- 2106- 2107- 2108- 2109- 2110- 2111- 2112- 2113- 2114- 2115- 2116- 2117- 2118- 2119- 2120- 2121- 2122- 2123- 2124- 2125- 2126- 2127- 2128- 2129- 2130- 2131- 2132- 2133- 2134- 2135- 2136- 2137- 2138- 2139- 2140- 2141- 2142- 2143- 2144- 2145- 2146- 2147- 2148- 2149- 2150- 2151- 2152- 2153- 2154- 2155- 2156- 2157- 2158- 2159- 2160- 2161- 2162- 2163- 2164- 2165- 2166- 2167- 2168- 2169- 2170- 2171- 2172- 2173- 2174- 2175- 2176- 2177- 2178- 2179- 2180- 2181- 2182- 2183- 2184- 2185- 2186- 2187- 2188- 2189- 2190- 2191- 2192- 2193- 2194- 2195- 2196- 2197- 2198- 2199- 2200- 2201- 2202- 2203- 2204- 2205- 2206- 2207- 2208- 2209- 2210- 2211- 2212- 2213- 2214- 2215- 2216- 2217- 2218- 2219- 2220- 2221- 2222- 2223- 2224- 2

معلومات تساعدك :

شروط قبول الشكوى:

- 1- ان تكون الشكوى حقيقية وانتمت الى شركة
- 2- ان تكون الشكوى مكتوبة في مستند او رقمي او كصوتية المسموعة او كصور او فيديو او تسجيل صوتي او كرسالة نصية او بريد الكتروني
- 3- استخدام الشكايا ابراز اسمه وعنوانه وكيفية التواصل معه
- 4- ان يقدم الشكايا صورة من كافة الوثائق والمستندات المؤيدة لصحة شكواه واخبارها ان يتطلب الامر ذلك

من شكك؟

يجب ان تكون الشكاوى على المنطقة العربية المحددة في صفحاتنا أولاً حتى نتمكن من ازالة الشكاوى بالسرعة المناسبة حالاً او عن طريق من مراحل تنفيذ المشروع

تواصل معنا :

الطريق الى مشروعنا PWP وانما من خلال الموقع الالكتروني وادارة الموقع او من خلال التواصل المباشر او عن طريق الهاتف او البريد الإلكتروني او من خلال وسائل التواصل الاجتماعي او من خلال وسائل التواصل الاجتماعي او من خلال وسائل التواصل الاجتماعي

1- صناديق الشكاوى والمقترحات الموجود في موقع المشروع
2- الاتصال بنا على الرقم التالي (05050426) او الاتصال بالرقم (PWP@wfp)

تذكر جيداً:

لماذا الشكوى؟

لأننا نعتبر الصدق والعمل عن جادة الرضا وعدم الخوف والتعاون والتسامح والتفهم من أهم الأشياء في مشاريعنا وخدماتنا ونريد ان نعرف منكم ما نحتاجه في مشاريعنا ونريد ان نعرف منكم ما نحتاجه في مشاريعنا ونريد ان نعرف منكم ما نحتاجه في مشاريعنا

كيف تقدم شكواك أو مقترحاتك؟

يستطيع الشخص صاحب الشكوى او المقترح اتباع الطرق التالية لتقديم الشكاوى او المقترحات:

- 1- كتابة ورقة عادية بالمقترح والشكوى المرفوعة
- 2- ارسالها الى ادارة المشروع او الى ادارة المشروع او الى ادارة المشروع
- 3- ارسالها الى ادارة المشروع او الى ادارة المشروع او الى ادارة المشروع
- 4- ارسالها الى ادارة المشروع او الى ادارة المشروع او الى ادارة المشروع

معاً لتعزيز الرقابة المجتمعية

وسائل ممارسة الرقابة السابقة واللاحقة في إطار مشاريع مشروع الأبنغال العامة.

ثم بدورك الفاعل والتجوي في الرقابة المجتمعية ورفع المقترحات والشكاوى على جودة المشاريع المنفذة.

Figure 4 PWP Complain Handling Mechanism



Figure 5 PWP Complain Handling Mechanism