

Annex 3 - Sub-project Simplified ESMP

Following the screening process, and the identification of negative, medium and high risks and impacts for a sub-project, implementers will fill out the below simplified ESMP for the specific sub-project. **This ESMP only needs to be completed in the case of medium and high risks and impacts per the screening form.**

Date: 24,09,2024							
Project ID / Title: HRT/DIS#9/SP03 / Construction of Sultan Mahmood Ghaznawi plum concrete streets with a total length of 900m in CDC #6 and #7 of District#9 of Herat City.							
Name of village / district / municipality / province: Sultan Mahmood Ghaznawi, District 09, Herat							
CDC ID code if applicable: CDC #6 and #7							
Name of engineer filling in ESMP: Rahimullah ATAL							
Estimated Start Date of Subproject: 01,02,2025				Estimated End Date of Subproject: 30,04,2025			
No	Risk/Impact	Description of Mitigation Measures	Monitoring Methods / Indicators	Monitoring Frequency	Monitoring results	Corrective actions required	Person responsible
1	Air pollution	<ul style="list-style-type: none"> - Suppress dust during construction by water spraying and dampening where necessary. - According to the CME, this road needs leveling before applying other layers such as base-course and sub-base so watering in this phase is must in order to prevent dust emissions into the atmosphere and affect human live and agricultural crops. - Implement speed limit for the heavy machinery and other private vehicle. - Cover trucks carrying soil and sand to the project site or while transporting excavated material out from project site with tarpaulin sheets in order to prevent dust pollution. - Spray water on alternative road at least two vise a daily. - Decrease air emissions from machinery by regularly inspection and maintaining 	<ul style="list-style-type: none"> - Evidence that spraying of water is conducted - # of trucks that are covered with tarpaulin - Site inspection & Reports 	Monthly			Implementation: Contractor HSSE Officer Monitoring: UNOPS Safeguard Team

2	Noise pollution	<ul style="list-style-type: none"> - Provide proper ear covers to the workforce who are involved in the noisy activities, particularly for those who operates heavy machinery. - Community awareness, i.e., public notification of construction, operations will incorporate noise considerations. - Construction activities shall be scheduled for day time, no night shifts are allowed in location near to residential houses. 	<ul style="list-style-type: none"> - Evidence equipment covers - Site inspection & Reports 	Monthly	0		<p>Implementation: Contractor HSSE Officer</p> <p>Monitoring: UNOPS Safeguard Team</p>
3	Cutting of hill slopes and earth removal from borrow areas	<ul style="list-style-type: none"> - Proper restoration of borrow areas, excavated soil and construction debris to avoid impacts. - Identify and demarcate locations for material storage and ensure that borrow pits are >50 meters away from critical areas such as steep slopes, erosion-prone soils, and areas that drain directly into sensitive water bodies. - Limit extraction of material in authorized and demarcated borrow pits. - Regular coordination with authorized person assigned by property owners. 	<ul style="list-style-type: none"> - Site inspection & Reports 	Monthly	0		<p>Implementation: Contractor HSSE Officer</p> <p>Monitoring: UNOPS Safeguard Team</p>
4	Solid or liquid wastes that cause potential contamination of surface water and groundwater supplies	<ul style="list-style-type: none"> - Train workers on how to collect and manage daily wastes and instruct them to clean the sites before they leave. - Machinery and equipment shall be maintained in good working condition and shall be regularly inspected for leaks. - Control all construction wastes generated by the sub-project and dispose it at approved disposal sites (> 300 m from rivers, lakes or wetlands) or landfill area designated by municipality. - Waste materials generated due to construction activities must be managed to avoid any environmental adverse impact including water and air pollution. - Excavated material shall be stored as point in specified locations before transporting them to designated location away from the city, it means during excavation material should not throughout everywhere around the project site. 	<ul style="list-style-type: none"> - Evidence of waste bin - Identification of disposal area - Site inspection & Reports 	Weekly	0		<p>Implementation: Contractor HSSE Officer</p> <p>Monitoring: UNOPS Safeguard Team</p>

5	The excavation & quarry operation effect the environment	<ul style="list-style-type: none"> - Identify designated areas for solid waste disposal and the contractor shall coordinate this with municipal authority. - The contractor shall rehabilitate quarry and borrow pits and conduct these activities before submitting the project to the UNOPS team. - Borrow pits should be selected at the specific place, where other entities and companies are using, the location must not affect any environmental parameter and public or private properties i.e. losing a property or restriction on properties. - Borrow pits and dumping areas will be located out of agricultural areas to reduce the potential impact to economically valuable land. - For using sites temporarily, written agreements shall be taken from landowners and sites must be restored to a level acceptable to the owner within a fixed time. 	- Site inspection & Reports	Monthly	0		<p>Implementation: Contractor HSSE Officer</p> <p>Monitoring: UNOPS Safeguard Team</p>
6	Vulnerable people being excluded from project benefits	<ul style="list-style-type: none"> - Operationalize and monitor project GRM to ensure all voice are hearable. - All identified grievance uptake channels shall be available at project site and would be accessible to complainants. - Implement labor management procedures (contractor) - Conduct induction training/ Toolbox talk for contractor CDCs. 	<ul style="list-style-type: none"> - GRM cases addressed - Labor screening list - Site inspection & Reports 	Monthly	0		<p>Implementation: Contractor HSSE Officer</p> <p>Monitoring: UNOPS Safeguard Team</p>

7	Risk of work-related safety and accidents	<ul style="list-style-type: none"> -The equipment used in the works should be routinely serviced to ensure proper and safe equipment functionality. -Use of safety signage (caution tape & sign boards) to warn contractor workers and visitors to the site. -Provision of adequate signage and communication of risk to workers and communities, and well manage traffic at the site. -Consider alternative way for pedestrian and vehicles. -Provision of first aid kits and hire a trained person to administer first aid kit. -Provision of PPE for all workers including but not limited to (gloves, shoes, helmets, visible vest, glasses, face mask) -Provision of temporary rest shelter, potable water. -Developing emergency response plan. -Conduct induction training/ Toolbox talk for contractor personnel, visitors, CDCs ... etc. 	<ul style="list-style-type: none"> -Accidents/incident' s logs -Lost time incidents/near miss incidents recorded. -Training provided on OHS -Site inspection & Reports 	Monthly	0		<p>Implementation: Contractor HSSE Officer</p> <p>Monitoring: UNOPS Safeguard Team</p>
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8	Concrete Mixer Machine related risk and accident	<p>Concrete mixer machines have always been a possible vehicle for accidents. A body part may get caught between the rotating mixing drum or axels of the machine. Hence it is necessary to follow the following practices when you carry out concrete mixing work with a concrete mixer machine:</p> <ul style="list-style-type: none"> - Locate the mixer on floated and ground level; block the wheels before starting up the machine. - Location away from traffic or where traffic is controlled; - Avoid use in confined spaces due to emission of exhaust gases; - Reduction in manual handling or positioning of cement bags close to the equipment; - Use restricted to trained operators only; - Hearing protection to reduce noise exposure. - Workers or operators have to keep their hands, clothing and tools away from the moving part of the mixer. - Never leave the running mixer unattended. - Disconnect the power or shut off the engine from the concrete mixer, before servicing, maintaining or cleaning, adjusting, and installing accessories or attachments. - Accidents normally occur during the cleaning of the mixing drum. Care should be taken while cleaning the drum. - Keep the working area clean and dry to prevent tripping and slipping. - Do not allow children to play on or around the Mixer. - Avoid overloading the mixing drum because too much weight can make the mixer unstable. - Clear away debris and obstructions that could cause the operator to trip and fall on or into the Mixer. - Breathing in cement dust can lead to lung problems, while contact with caustic wet mixed cement can cause skin irritation or skin burns, so always wear face mask and proper cloths. - Don't wear loose clothing that could get caught up in the mixer. - Do not attempt to clean out a cement mixer while it is operating; turn off the machine before cleaning the mixer. - Turn it off before adding any accessories and especially when refueling. 	<ul style="list-style-type: none"> - Accidents/incident's logs - Lost time incidents/near miss incidents recorded. - Training provided on OHS - Concrete Mixer Safety Inspection Checklist logs - Site inspection & Reports 	Daily while operating	0		<p>Implementation: Contractor HSSE Officer</p> <p>Monitoring: UNOPS Safeguard Team</p>
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		<ul style="list-style-type: none"> - Do not move the Mixer while it is in use. - Never put your hands, clothing or bodies anywhere near or inside of the machine when it is running. - Anyone managing the machine should remove their jewelry before operating the machine. - Be sure to wear the obligatory personal protective equipment (PPE) at all times when handling concrete mixers. This includes protective eyewear, earplugs, footwear, clothing and gloves. This will prevent skin irritation, chemical burns, swelling, scratches or wounds from causing you pain. - Only people with professional skills or experience may handle Concrete Mixer. <p>During Refuelling consider the following:</p> <ul style="list-style-type: none"> - Safe storage of petrol and control of ignition sources; - Stop the engine before refuelling. If the engine is on while refuelling, this could cause an explosion. - Do not refuel while hot. - Avoid spillage of fuel when refuelling. - Ensure the fuel cap is properly secured after refuelling. - Carry out visual checks for fuel leaks and repair before operation. - Keep flammables away from the engine. - Do not smoke while operating, servicing or refuelling this machine. - Conduct induction training/ Toolbox talk for contractor personnel, visitors, CDCs ... etc. 					
9	Risk of child or forced labor	<ul style="list-style-type: none"> - Comply with the Labor management procedure. - Consider UN criterial and world Bank ESS2 in order to prevent child labor at project works. - Raise awareness of communities/suppliers to not engage in child labor. - Conduct induction training/ Toolbox talk for contractor personnel on how to comply with national, UN and the World Bank policies and standards while hiring labor. 	<ul style="list-style-type: none"> - #of violations (child, forced labor). - Verification & screening of labor list under age 18. - #of awareness campaigns. - Site inspection & Reports 	Monthly	0		<p>Implementation: Contractor HSSE Officer</p> <p>Monitoring: UNOPS Safeguard Team</p>

10	Risk of GBV/SEA/SH for female project workers or beneficiaries	<ul style="list-style-type: none"> - Comply with the measures prescribed in the SEA Action Plan. - Sensitization/community awareness of project workers. - Implementation of a GRM to handle these types of complaints. - Each contractor to implement Code of Conduct for the workers with specific obligations with regards to SEA/SH. - Conduct GBV/SEA/HS awareness training for all involved stakeholders/parties. - The contractor shall attend a pre-bidding informative session on GBV prevention and response. - The contractor shall adhere to the proposed SEA/SH Action Plan activity implementation schedule and the monitoring plan to ensure effective feedback of monitoring information to project management is provided and that impact management can be implemented properly. - The contractor shall provide sufficient training to his own personnel to ensure that they are all aware of the specifications of the SEA/SH Action Plan, and are able to fulfill their expected roles and functions. - Conduct induction training/ Toolbox talk for contractor personnel about GBV, SEA/SH to prevent such incidents. 	<ul style="list-style-type: none"> - # of SEA/SH related complaints recorded - % of workers signed CoC. - # of SEA/SH awareness trainings. - GRM Records - Site inspection & Reports 	Monthly	0		<p>Implementation: Contractor HSSE Officer</p> <p>Monitoring: UNOPS Safeguard Team, GBV Specialist</p>
11	Security risk for project workers and assets in the area	<ul style="list-style-type: none"> - UNOPS to follow UN security protocols for direct workers. - Provision of security risk assessments to NGOs and contractors. - NGOs and contractors to provide local security protocols and demonstrate availability to relevant security SOPs. - The contractor shall develop an emergency response plan. - Conduct induction training/ Toolbox talk for contractor personnel, visitors, CDCs ... etc. 	<ul style="list-style-type: none"> - % of NGOs and contractors that provide local security plan - % of NGOs and contractors that has relevant SOPs in place. - Site inspection & Reports 	Monthly	0		<p>Implementation: Contractor</p> <p>Monitoring: UNOPS Safeguard Team, UNOPS Security team</p>

12	Traffic Disruption	<ul style="list-style-type: none"> - Mark safe access routes for pedestrians. - Maintain vehicle speeds of 20 mph or less within the work area at all times. - Maintain the provision of traffic signs (including paint, trestle, sign material, etc.), road marking, and separators to maintain pedestrian safety during construction. - Conduct safety training for construction workers before starting work. - Stop all work in cases of heavy rain or any other emergency. - Consider alternative road for vehicles if needed. 	<ul style="list-style-type: none"> - Evidence of traffic sign - Site inspection & Reports 	Monthly	0		<p>Implementation: Contractor</p> <p>Monitoring: UNOPS Safeguard Team</p>
13	Chance Find Procedures (In case of furtive discoveries of archaeological material)	<ul style="list-style-type: none"> - Stop work immediately upon discovery of any material with possible archaeological, historical, paleontological, or other cultural value, and one should announce the discoveries to Project Manager and notify relevant authorities. - Follow Chance Find Procedures 	Site inspection & Reports	Upon Discovery	0	0	<p>Implementation: Contractor</p> <p>Monitoring: UNOPS Safeguard Team</p>

14	UXO/ERW Riks	<p>The following mitigation measures are applicable to avoid adverse impacts of Mine/UXO in case of any discovery which is definitely more unlikely to happen.</p> <ul style="list-style-type: none"> - In case any non-explosive materials covered in the project site, project workers and the adjacent communities will be notified of the UXO. - Stop work immediately upon discovery of any explosive material in the project site and announce the discoveries to the Project Manager and notify relevant authorities. - Each public organization and individual owning structures in proximity of the work site will be notified of the existence of the explosive materials. - A danger zone will be created and ensured that all personnel, vehicles, and livestock are cleared from the zone. The UXO Protocol shall be in place and effective, in the event an UXO is discovered during the activities; - In the settlement area, necessary steps (it might be evacuation of the area) will be taken to avoid damage to the people and property - A danger red flag will be displayed prominently in all directions to the danger location. - Responsible agencies and persons (Chief of police/District Governor/Mine Clearance Agencies) should be contacted to remove, manage and transport explosive material. Case should be reported to the PIU within 24 hours. - Conduct induction training/ Toolbox talk for contractor personnel, visitors, CDCs about explosive materials and how to deal with them. 	Site inspection & Reports	Upon Discovery	0	0	<ul style="list-style-type: none"> - Implementation: Contractor - Monitoring: UNOPS Safeguard Team
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Prohibitions:

The following activities are prohibited on or near the subproject site:

- Cutting trees for any reason outside the approved construction area;
- Disturbance to any artifact with architectural or historical value; Fire building;
- The use of firearms (except by authorized security guards);
- Use of alcohol by workers; - Conduct induction training/ Toolbox talk for contractor personnel, visitors, CDCs ... etc.