

**KINGDOM OF CAMBODIA
NATION RELIGION KING**

**CAMBODIA AGRICULTURAL SECTOR DIVERSIFICATION PROJECT (CASDP)
ENVIRONMENTAL AND SOCIAL CODE OF PRACTICES (ES COP) FOR**

**Laterite Road Rehabilitation
(6.27Km-Length)
In Romtom Commune, Roveang district, Preah Vihear Province**

Name of AC: Romtom Samakimeanchey

**Prepared By:
Ministry of Agriculture Forestry and Fisheries (MAFF)
for Ministry of Rural Development**

April 2023

I. INTRODUCTION

1. The Ministry of Rural Development is anticipated to reconstruct 6.27 kilometers with 6-meter width of laterite road, this road line in the Romtom Commune, Roveang district, Preah Vihear Province, was chosen by the Agricultural Cooperative (AC) of Romtom Samakimeanchey. The report was created to ensure that projects financed by the World Bank have no negative environmental and social impacts during and after implementation.

2. To manage and mitigate potential negative environmental impacts, all activities will apply Environmental Codes of Practice (ECoPs). The ECoPs contain specific, detailed, and tangible measures that would mitigate the potential impacts of each type of eligible/specified activity under the project. It is developed to ensure that all potential environmental impacts arising from the activity activities during the construction and operation stages will not cause any negative impacts on the community and the environment And the AC Romtom Samakimeanchey. Agricultural Cooperative has selected to rehabilitate existing road lines under the following subproject (AC), some drainage infrastructure, some of which are listed below, will be replaced as part of the road rehabilitation activities.

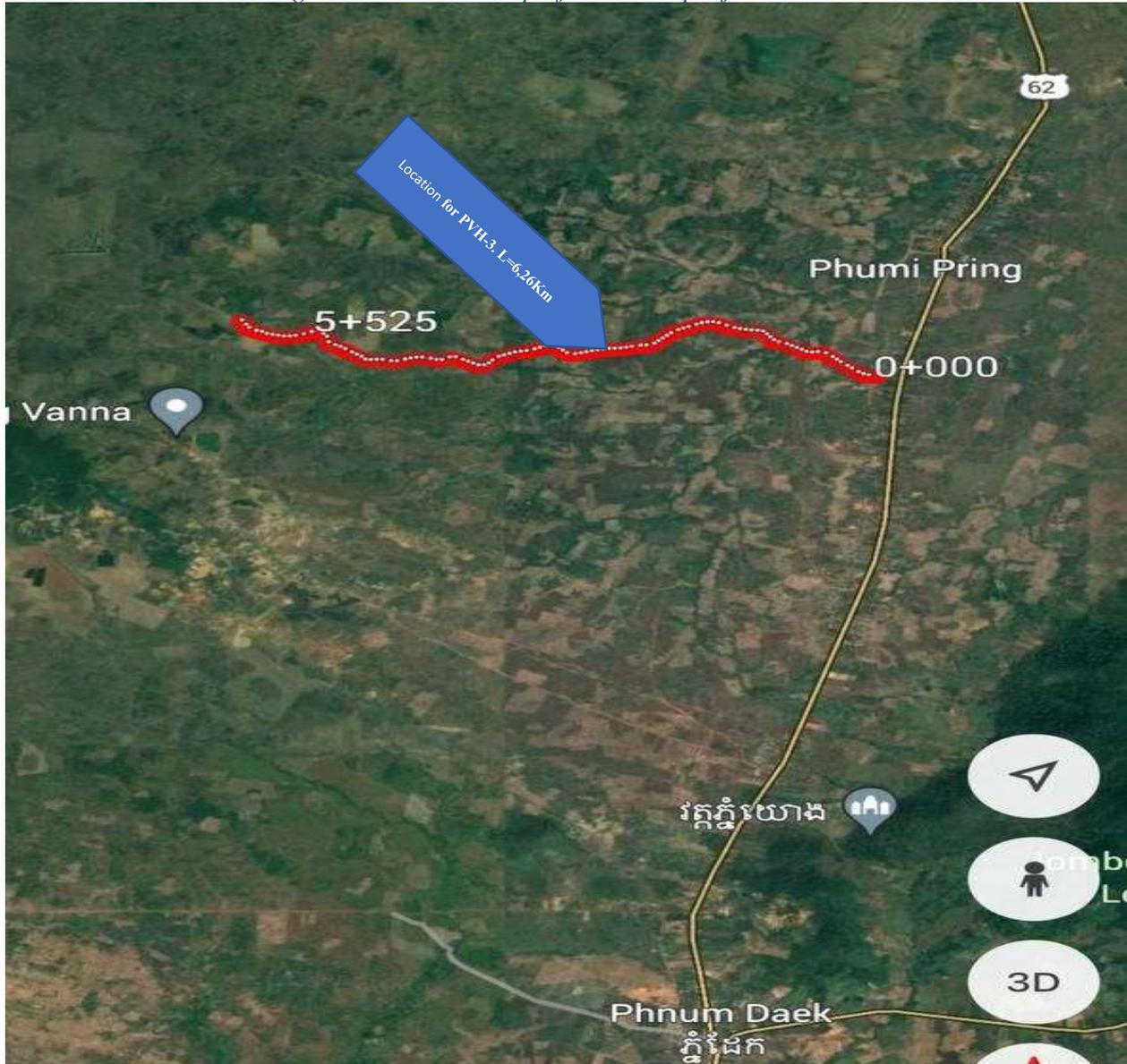
- **Upgrade 6.27 kilometers of Laterite paved road to DBST road with a 6-meter width.**
- Installation of 15 New Pipes Curvet Size: 1@1000 with each length is 8 meters

3. This road connects Toul Roveang village in Romtom commune to Trapeang Tuntem and, Oh Trolouk, village in Rumtom commune in Roveang district, Preah Vihear province, and also connects to National Road No. 62, According to a survey conducted by the Ministry of Rural Development, the width of both roads' ranges between 5 and 8 meters at present. During the rainy season, most of the road is impassable because it is muddy and flooded. The road reduces travel time and contributes to the improvement of socioeconomic conditions in these communities through its rehabilitation. It was also mentioned that this laterite road has a negative impact on the environment during the dry season, as it creates dusty conditions for the villagers who live along its edges. Residents living near the road have therefore petitioned the commune officials to repair the road. On the map below, the locations of the road and the Agriculture Cooperative are marked.

Figure 1: Map of road sub project location



Figure 2: Satellite Map of road sub project location



II. OBJECTIVES

4. This Environmental Codes of Practice (ECOP) is prepared to manage small environmental impacts during construction. The ECOPs will apply to manage small scale infrastructure investments subproject. ECOP will be a mandatory part of construction contract or bidding documents so that contractor complies with environmental covenants. MAFF and the concerned ministries (PTs) and construction supervisors will be responsible for monitoring of compliance with ECOP and preparing the required reports.

III. RESPONSIBILITIES

5. The Contractors are the key entities responsible for the effective implementation of this ESCOP during the periods of project. The key responsibilities of MRD and the concerned ministries (PTs) and the Contractor are as follows:

a) MRD and the concerned ministries (PTs)

6. The MRD assigned the following staffs and specialists to carry out environmental and social impact mitigation throughout project implementation phases.

- Mrs. Mey Mithona, Social Safeguards Focal Point
- Mr. Puthy Lem, Indigenous Peoples Safeguards Focal Point
- Mrs. Chantha Thou, Environmental Safeguards Focal Point
- Mr. Hong Sophea, Environmental Specialist
- Mr. Te Rithy, Social Safeguards Specialist

7. During the subproject implementation phases, the mentioned specialists will ensure that the following activities take place; (a) the Contractor's compliance with the environmental plan, (b) taking remedial actions in the event of non-compliance and/or adverse impacts occur, (c) investigating complaints, evaluating and identifying corrective measures; (d) environmental enhancement, public awareness, and proactive pollution reduction methods; and (e) contractors' activity in responding to complaints.

b) Contractor

- Contractor is responsible carrying out for Road construction activities and informing MRD and the concerned ministries (PTs), local authorities and community about progress on the business plan as presented in BPI and risks associated with any ensuing Road construction activities. As such, Contractor is responsible for implementing agreed measures to mitigate environmental and social risks associated with the civil works/activities carried out by the members or by a Contractor.
- Contractor is required to obey other national relevant legal regulations and laws.

IV. GENERAL ENVIRONMENTAL AND SOCIAL CODE OF PRACTICES

8. The Environmental and Social Codes of Practice (ESCOP) was created for the rehabilitation of road line (Laterite of 6.72 km) at AC Romtom Samakimeanchey in Romtom Commune, Roveang district, Preah Vihear province. The ESCOP is created for road line restoration due to the environmental and social issue and mitigating measured of the road lane as detailed in Table 1 below:

Section A. General ESCOPs for Construction Activities
PART 1 - CONTRATOR RESPONSIBILITIES

9. ESCOP will consist of routine systematic checking that all mitigations specified in the following table that are effectively implemented during the relevant periods of the project. Detailed ESCOP is shown in Table 1 for relevant periods of the project.

Table 1: Environmental Prevention/Mitigation Measures

Issue	Environmental Prevention/Mitigation Measures
1. Occupational Health and Safety	<ul style="list-style-type: none"> - Contractors shall conduct site specific OHS risk assessments based on outcomes OHS management plans in line with the local legal requirements and WBG EHS guidelines. - Set up the construction site with sufficient supplies of clean drinking water, power, and sanitation facilities. - Mandate the use of personal protective equipment for workers as necessary (gloves, dust masks, hard hats, boots, goggles, eye, and hearing protection). - Follow the below measures for construction involving work at height (e.g. 2 meters above ground). (i) Do as much work as possible from the ground. (ii) Only allow people with sufficient skills, knowledge, and experience to perform the task. Ensure that proper training and equipment for working at heights is provided. - Take precautions when working on or near fragile surfaces. - Clean up oil, grease, paint, and dirt immediately to prevent slipping and possible injury. - Where possible provide fall-protection measures e.g. safety harness, simple scaffolding/guard rail for works over 4 meters from ground. - Keep worksite clean and free of debris on daily basis. - Provision of first aid kit with bandages, alcohol or non-alcohol antiseptic wipes, dressings, etc. at the construction site. - Keep corrosive fluids and other toxic materials in properly sealed containers for collection and disposal in properly secured areas. - Ensure adequate toilet facilities for workers, at least one toilet compartment for every 25 workers, with separate facilities for males and females. - Ensure structural openings are covered/protected adequately. - Secure loose or light material that is stored on roofs or open floors. - During heavy rains or emergencies of any kind, suspend all work. - Apply electricity good practices such as use of safe extension cords, voltage regulators and circuit breakers, labels on electrical wiring for safety measures, awareness on identifying burning smell from wires, etc. at construction sites and provision of voltage detectors, multi-meters and receptacle testers as per necessary. - Make sure workers are aware of GRM and can access it.

Issue	Environmental Prevention/Mitigation Measures
2. Dust Generation / Air Quality	<ul style="list-style-type: none"> - Minimize dust from exposed work sites by applying water on the ground and roadways regularly during dry season. - Avoid burn site clearance debris (trees, undergrowth) or construction waste materials. - Keep stockpile of aggregate/sand materials covered to avoid suspension or dispersal of fine soil particles during windy days or disturbance from stray animals. - Reduce the operation hours of generators /machines /equipment /vehicles as much as possible. - Regular maintenance of generators/machines/equipment/vehicles. - Control vehicle speed when driving through community areas is unavoidable so that dust dispersion from vehicle transport is minimized. - water dusty roads and construction sites. - <i>The Contractor implement dust control measures to ensure that the generation of dust is minimized and is not perceived as a nuisance by local residents, maintain a safe working environment, such as:</i> <ul style="list-style-type: none"> ▪ <i>water dusty roads and construction sites;</i> ▪ <i>covering of material stockpiles;</i> ▪ <i>Material loads covered and secured during transportation to prevent the scattering of soil, sand, materials, or dust;</i> ▪ <i>Exposed soil and material stockpiles shall be protected against wind erosion.</i>
3. Water Quality and Availability	<ul style="list-style-type: none"> - Activities should not affect the availability of water for drinking and hygienic purposes. - No soiled materials, solid wastes, toxic or hazardous materials should be poured or thrown into water bodies for dilution or disposal. - Provision of toilets with a temporary septic tank at construction site. - The flow of natural waters should not be obstructed or diverted to another direction, which may lead to drying up of riverbeds or flooding of settlements. - Separate as best as possible concrete works in waterways and keep concrete mixing separate from drainage leading to waterways. - Portable or constructed toilets must be provided on site for construction workers. Wastewater from toilets as well as kitchens, showers, sinks, etc. shall be discharged into a conservancy tank for removal from the site or discharged into municipal sewerage systems; there should be no direct discharges to any water body. - Wastewater over permissible values set by relevant national technical standards/regulations must be collected in a conservancy tank and removed from site by licensed waste collectors. - At completion of construction works, water collection tanks and septic tanks shall be covered and effectively sealed off.

Issue	Environmental Prevention/Mitigation Measures
4. Noise	<ul style="list-style-type: none"> - Plan activities in consultation with people living in the immediate vicinity so that noisiest activities are undertaken during periods that will result in least disturbance. - Use noise-control methods such as fences, barriers, etc. - Minimize project transportation through community areas where possible. - Maintain a buffer zone (such as open spaces, row of trees or vegetated areas) between the project site and residential areas to lessen the impact of noise to the living quarters. - Avoid doing construction works at night-time. - All vehicles must have appropriate “Certificate of conformity from inspection of quality, technical safety and environmental protection “following Decision No. 35/2005/QD-BGTVT; to avoid exceeding noise emission from poorly maintained machines
5. Drainage and sedimentation	<ul style="list-style-type: none"> - The Contractor shall follow the detailed drainage design included in the construction plans, to ensure drainage system is always maintained cleared of mud and other obstructions. - Areas of the site not disturbed by construction activities shall be maintained in their existing conditions.
6. Solid waste	<ul style="list-style-type: none"> - At all places of work, the Contractor shall provide litter bins, containers and refuse collection facilities. - Solid waste may be temporarily stored on site in a designated area approved by the Construction Supervision Consultant and relevant local authorities prior to collection and disposal. - Waste storage containers shall be covered, tip-proof, weatherproof and scavenger proof. - No burning, on-site burying or dumping of solid waste shall occur. - Recyclable materials such as wooden plates for trench works, steel, scaffolding material, site holding, packaging material, etc. shall be collected and separated on-site from other waste sources for reuse, for use as fill, or for sale. - If not removed off site, solid waste or construction debris shall be disposed of only at sites identified and approved by the Construction Supervision Consultant and included in the solid waste plan. Under no circumstances shall the contractor dispose of any material in environmentally sensitive areas, such as in areas of natural habitat or in watercourses.
6. Soil Erosion	<ul style="list-style-type: none"> - Schedule construction activities during dry season as much as possible. - Contour and minimize length and steepness of slopes if any. - Use mulch, grasses or compacted soil to stabilize exposed areas. - Cover with topsoil and re-vegetate (plant grass, fast-growing plants/trees) construction areas quickly once work is completed.

Issue	Environmental Prevention/Mitigation Measures
7. Chemical or Hazardous and Non-hazardous Waste	<ul style="list-style-type: none"> - Segregate construction waste as recyclable, hazardous and non-hazardous waste. - Collect, store and transport construction waste to appropriately designated/ controlled dump sites. - On-site storage of wastes prior to final disposal (including earth dug for foundations) should be at least 50 meters from rivers, streams, lakes, and wetlands. - Use secured area for refueling and transfer of other toxic fluids distant from settlement area (and at least 50 meters from drainage structures and from important water bodies); ideally on a hard/non-porous surface. - Store fuels, oils and chemicals safely in areas with impermeable ground with roads and surrounding banks. - Train workers on correct transfer and handling of fuels and other substances and require the use of gloves, boots, aprons, eyewear, and other protective equipment for protection in handling highly hazardous materials. - Collect and properly dispose of small amount of maintenance materials such as oily rags, oil filters, used oil, etc. Never dispose spent oils on the ground and in water courses as it can contaminate soil and groundwater (including drinking water aquifer). - After each construction site is decommissioned, all debris and waste shall be cleared. - Used oil and grease shall be removed from site and sold to an approved used oil recycling company. - Used oil, lubricants, cleaning materials, etc. from the maintenance of vehicles and machinery shall be collected in holding tanks and removed from site by a specialized oil recycling company for disposal at an approved hazardous waste site. - Unused or rejected tar or bituminous products shall be returned to the supplier's production plant. - Store chemicals in safe manner, such as roofing, fenced and appropriate labeling.
8. Disruption of vegetative cover and ecological resources	<ul style="list-style-type: none"> - Areas to be cleared should be minimized as much as possible. - The Contractor shall remove topsoil from all areas where topsoil will be impacted on by rehabilitation activities, including temporary activities such as storage and stockpiling, etc.; the stripped topsoil shall be stockpiled in areas agreed with the Construction Supervision Consultant for later use in re-vegetation and shall be adequately protected. - The application of chemicals for vegetation clearing is not permitted. - Prohibit cutting of any tree unless explicitly authorized in the vegetation clearing plan. - When needed, erect temporary protective fencing to efficiently protect the preserved trees before commencement of any works within the site. - The Contractor shall ensure that no hunting, trapping shooting, poisoning of fauna takes place.
9. Traffic management	<ul style="list-style-type: none"> - Before construction, carry out consultations with local government and community and with traffic police. - Significant increases in number of vehicle trips must be covered in a construction plan previously approved. Routing, especially of heavy vehicles, needs to take into account sensitive sites such as schools, hospitals, and markets. - Installation of lighting at night must be done if this is necessary to ensure safe traffic circulation. - Place signs around the construction areas to facilitate traffic movement, provide directions to various components of the works, and provide safety advice and warning. - Employing safe traffic control measures, including road/rivers/canal signs and flag persons to warn of dangerous conditions. - Avoid material transportation for construction during rush hour. - Signpost shall be installed appropriately in both water-ways and roads where necessary.

Issue	Environmental Prevention/Mitigation Measures
10. Interruption of utility services	<ul style="list-style-type: none"> - the contractor shall coordinate with local authorities (leaders of local communes, leader of villages) for agreed schedules of construction activities at areas nearby sensitive places or at sensitive times (e.g., religious festival days). - Disseminate project information to affected parties (for example local authority, enterprises and affected households, etc.) through community meetings before construction commencement. - Provide a community relations contact from whom interested parties can receive information on site activities, project status and project implementation results. - Inform local residents about construction and work schedules, interruption of services, traffic detour routes and provisional bus routes, blasting and demolition, as appropriate. <p>. Notification boards shall be erected at all construction sites providing information about the project, as well as contact information about the site managers, environmental staff, health and safety staff, telephone numbers and other contact information so that any affected people can have the channel to voice their concerns and suggestions.</p>
11. Chance find procedures	<p>If the Contractor discovers archeological sites, historical sites, remains and objects, including graveyards and/or individual graves during excavation or construction, the Contractor shall:</p> <ul style="list-style-type: none"> - Stop the construction activities in the area of the chance find; - Delineate the discovered site or area; - Secure the site to prevent any damage or loss of removable objects. In cases of removable antiquities or sensitive remains, a night guard shall be arranged until the responsible local authorities or the Department of Culture and Information takes over; - Notify the Construction Supervision Consultant who in turn will notify responsible local or national authorities in charge of the Cultural Property (within 24 hours or less); - Relevant local or national authorities would be in charge of protecting and preserving the site before deciding on subsequent appropriate procedures. This would require a preliminary evaluation of the findings to be performed. The significance and importance of the findings should be assessed according to the various criteria relevant to cultural heritage; those include the aesthetic, historic, scientific or research, social and economic values; - Decisions on how to handle the finding shall be taken by the responsible authorities. This could include changes in the layout (such as when finding an irremovable remain of cultural or archeological importance) conservation, preservation, restoration and salvage; - If the cultural sites and/or relics are of high value and site preservation is recommended by the professionals and required by the cultural relics authority, the Project's Owner will need to make necessary design changes to accommodate the request and preserve the site; - Decisions concerning the management of the finding shall be communicated in writing by relevant authorities; - Construction works could resume only after permission is granted from the responsible local authorities concerning safeguard of the heritage.
12. Community Health and Safety	<ul style="list-style-type: none"> - Rope off construction area and secure materials stockpiles/ storage areas from the public and display warning signs including at unsafe locations. - Do not allow children to play in and around construction areas. - If school children are in the vicinity, include traffic safety personnel to direct traffic during school hours, if needed. - Control driving speed of vehicles particularly when passing through community or nearby school, health center or other sensitive areas. - Fill in all earth borrow-pits once construction is completed to avoid standing water, water-borne diseases, and possible drowning. - Avoid occurring labor influx around construction sites. - Avoid working at night. - Recommend hiring construction labor from nearby communities. - Inform communities on the gender-based violence policy (GBV). - Make sure that the community is aware of GRM and can access it.

Issue	Environmental Prevention/Mitigation Measures
Code of Worker 13.	<ul style="list-style-type: none"> - Provide training to workers on code of conduct. - Ensure all workers have read and agreed to the code of conduct and have signed it.
Historical Cultural 14.	<ul style="list-style-type: none"> - No disturbance of cultural or historic sites. - If any archaeological site, historical site, remains, or objects are found during excavation or construction, chance find procedures shall proceed immediately.
as to Local Communities 15. To prevent outbreak of Covid-19 at working area as well	<ul style="list-style-type: none"> - Clean your hands often, use soap and water or an alcohol-based hand rub. - Maintain a safe distance from anyone who is coughing or sneezing. - Don't touch your eyes, nose or mouth. - Cover your nose and mouth with your bent elbow or a tissue when you cough with your bent. - Stay home if you feel unwell. - If you have a fever, cough and difficulty breathing, seek medical attention, Call in advance. - Follow the directions of the local health authority. - Measurement of Pandemic Covid-19 material: Masks, Alcohol for hand sanitizer. - Measurement of Pandemic Covid-19 material: LCD digital temperature Measurement
16. Other	<ul style="list-style-type: none"> - No cutting of trees or destruction of vegetation other than on construction site. - If any cutting down of trees for land clearance of the construction site, at least the same number of trees should be compensated to plant in other available area. - No hunting, fishing, capture of wildlife or collection of plants. - No use of unapproved toxic materials including lead-based paints, un-bonded asbestos, etc.

10. The following table will generally introduce the Environmental and Social Code of Practices for identified for of Laterite Road Rehabilitation (6.27Km Length) that proposed by AC Romtom Samakimeanchey.

Table 2: Contractor's Workers Environmental Code of Conducts

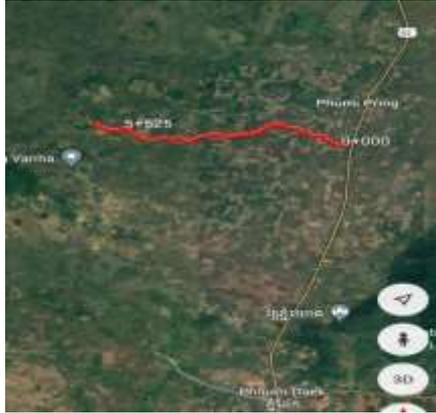
DO	DO NOT
<ul style="list-style-type: none"> - At the end of temporary works, remove all kinds of materials and rubbish from road construction site and store in properly place. - Use the toilet facility provided report dirty or full facilities - On completion of each construction activities at the site must be left clean and free from all debris, hydrocarbons and waste to the satisfaction of the Engineer/Workers. - Prevent pollution of water sources and soil. - CAREFULLY. (Littering is an offence.) - Smoke in designations areas only and dispose of cigarettes and matches carefully. (Littering is an offence) 	<ul style="list-style-type: none"> - Remove or damage vegetation without direct instruction - Poach, injure, rap, feed or harm any animals (Includes birds and snakes, etc) - Wash cars or machinery in streams or creek - Driver cars or machine reckless or above speed limit. - Allow waste, liter, oils or foreign materials into the stream - Cut trees for any reason outside the approved construction area - Use of alcohol by the worker during work hours. - Wash cares or machinery in stream or creek - Do any maintenance (Change of oils and filters) of

<ul style="list-style-type: none"> - Use all safety equipment and comply with all safety procedures - Measures are taken to avoid any nuisance or disturbance arising from the execution of construction works and their related activities. - Regular disposal of rubbish off site at an appropriate location. - At all completion of the works the whole site including any construction site or storage areas shall be cleaned up. - Report any spills or oil immediately and stop spills. - During daytime construction, the contractor will ensure that temporary anti-noise barriers will be installed to shield any schools or residences within 100m of the construction site. - Use all safe equipment and follow safety procedures. - Comply with the communicable Disease Control Department of the Ministry of Health on Covid-19 regulations and policies to protect themselves from Covid-19, and prevent the spreading of this virus. - No sexual exploitation, sexual abuse or harassment (SEA/SH). 	<ul style="list-style-type: none"> - cares and equipment outside authorized) - Spill potential pollution, such as petroleum products. - Buy any wild animals for food - Use latrines outside the designated facilities, and burn wastes and or cleared vegetation - Maintenance (Change of oils and filters) of cars and equipment outside authorized areas - Dispose trash in unauthorized places work without safety equipment (including boots and helmets) - Not any damages to private properties occur during the construction period - Do not set up site location at unexploded ordnance (UXO), - Make any fires in construction site. - No Exploitation of child labor. - Sexual abuse and disrespect for gender rights. - Cut/remove trees if not really needed. - Heavy equipment cannot park on the roadside.
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Annex 1: Environmental Due Diligence Form

This site-specific safeguard due diligence shall be conducted to evaluate environmental impacts of all activity activities which will be implemented at one location under each activity.

Section 1- Subproject Details

Component No.	Component 2	
Title of Subproject	Laterite Road Rehabilitation with the Length of 6.27Km in Agricultural Cooperative's Rumtom Samaki Meanchey located in Romtum Commune, Rovieng District, Preah Vihear Province.	
Name of Implementation Agency	Agricultural Cooperative Rumtom Samaki Meanchey located in Romtum Commune, Rovieng District, Preah Vihear Province.	
Contact information of the subproject proponent	Name: Mrs. Veuk Ya	Position: Chief of Agricultural Cooperative
	Phone: +855 88 237 6678	Email: N/A Telgram: +855 88 237 6678
Project Location	Romtum Commune City: Rovieng District	Province/Region: Preah Vihear Province, Cambodia.
	Coordinates: N= 219206.1049, E= 1463032.6631 Please provide the KML/KMZ file in google map as well.	
Photos to be provided	<p>1. Google map photos of the project location</p> <div style="display: flex; justify-content: space-around;">    </div> <p>2. The proposed project location and the surroundings areas especially on those of sensitive receptors (eg. Hospitals, monastery, schools, house for aged people etc.,).</p> <p>The road rehabilitation will be minor affected by sensitive receptors surrounding place, such as, Trees, and crops etc, that they have willing to voluntary donation to project.</p>	
Subproject Activities in the above-mentioned location	<p>Road:</p> <p><input type="checkbox"/> New</p> <p><input checked="" type="checkbox"/> Rehabilitation of existing road</p> <p>Existing road width (km): 8.00m some part 5.5m</p> <p>Proposed road length and width (km): The length is 6.70km and width is 8.00m</p> <p>Proposed road type: Laterite Road</p> <p>Rehabilitation type: Laterite paving road</p>	<p>Construction:</p> <p><input type="checkbox"/> Building/any small infrastructures (ponds, farm drains, tube wells, dry storage, cold storage, warehouse etc.,)</p> <p><input type="checkbox"/> Farming/Livestock raising associated Facility (fish farm, pig raising farm, bio gas etc.,)</p>

	rehabilitation (Widening or just paving etc.,)	<input type="checkbox"/> Irrigation schemes/ channels <input type="checkbox"/> Other (please mention) (Renovation of Regional Animal Health Laboratory Building)
Elaborate more in detail about the above-mentioned activity	There is detail activity as below: Mobilization of Contractor's staffs and labors to site, Site Camp, toilet preparation with electrician water supply, Site cleaning after completed works, Bush and shrub clearing at sub project output location by removing of top soil, Soil cost and excavation for road embankment after compacted, Soil backfill and fill for road embankment with watering and compaction.	
Expected construction commencement (starting) Date	The expectation of road rehabilitation date would be started on July 2023.	

Section 2- Environmental Issues

Will the proposed subproject:		Yes	No	Explanation (pls write explanation if the answer is Yes)
1	<u>Fall under category A as defined in the project ESMF? (pls refer to table 1, Annex 2.2 of the ESMF)</u>		No	
2	<u>Resource Use</u> Require a large amount of energy, water or other natural resources (eg. Wood fire, charcoal, etc.,) during project construction or operation?		No	Crushed Rock Quarry are available to middle of road line is 52.94km and the quarry is located by UTM WGS84-48N at 495584.88 East and 1519091.16 North. The borrow-pit of laterite are available 13.0km from the middle of road line. The borrow-pit is located by UTM WGS84-48N at 501125.18 East and 1471231.12 North.
3	<u>Water Use</u> Extract or use ground or surface water resources, leading to reduction in the volume and the quality of water available for the public water supply?		No	
4	<u>Water Quality</u> Cause pollution to ground or surface water, via direct or indirect discharges or seepages, or through interception of an aquifer by drilling, trenching or excavation?		No	
5	<u>Soil Quality</u> Create a risk of increased soil degradation, soil erosion or increase in soil salinity?	Yes		The earthworks for the sub-project activities might cause minor negative impacts in form of erosion on road shoulder.
6	<u>Sensitive Receptors</u> Be located adjacent to a sensitive receptors and area (e.g. school, hospital or medical facility, river crossings, forests, monastery, meditation center etc.,)? If there is any, provide detail locations and photos. (Note: If any of the sensitive receptors are located adjacent/near to the proposed subproject's activity, this subproject may		No	

Will the proposed subproject:		Yes	No	Explanation (pls write explanation if the answer is Yes)
	need to develop a site specific ESMP rather than using the ECOP.			
7	<u>Air Quality</u> Lead to increased levels of harmful air emissions including dust?	Yes		During road rehabilitation, dust could be impacted to villagers, so workers have to watering the road once or twice a day.
8	<u>Noise</u> increase the noise levels leading to non-compliance with national and WHO/WBG guideline for noise?	Yes		Some part of the road rehabilitation nearby village it could be impacted to villagers by noise, so the machinery workers have to use the regulation of noise pollution and respect to the relaxing time of villager.
9	<u>Waste Generation</u> Generate solid or liquid waste that could adversely impact soils, vegetation, rivers, streams or groundwater?	Yes		During road rehabilitation activities it could be Impacted on the soil quality and ground by oil spilled from machinery construction, the worker should collect dirty soil with oil from the construction site and store in the safe place, and take it to the landfill.
10	<u>Hazardous Waste Management</u> Will hazardous waste such chemicals container and packaging etc., be generated during construction or operation?	Yes		All hazardous waste shall be disposed of at an approved hazardous landfill site.
11	<u>Wastewater Management</u> Is there any potential release of contaminated wastewater from the project funded facilities and associated facilities during the operation period?	Yes		The constructor should provide the facility temporary toilet to the workers to be avoid from contaminated wastewater from the project site, as well as, wasted water from domestic use and toilet, and unmanaged wasted water could be polluted the environment and impacted health safety of the worker and community household.
12	<u>Tree cutting and vegetation clearance</u> Will the project involve tree cuttings? If yes, how many in approximate?	Yes		There are approximately 31 cashew nut trees from the 4 households will be affected.

Section 3 – Health and Safety issues

Will the activity or any of its associated activities?		Yes	No	Explanation
1	<u>Natural Disasters</u> Be susceptible to or lead to increased vulnerability to earthquakes, flood/river cutting, flooding to low lying area?		No	
2	<u>Climate Change</u> Lead to climate change impacts or conversely be susceptible to impacts resulting from climate change?		No	
3	<u>GHG Emission</u> Result in significant increases in local or regional Green House Gas (GHG) Emissions?		No	
4	<u>Occupational Health and Safety</u> Have an adverse impact upon the health and safety of the workers/ employees?		No	
5	<u>Community Health and Safety</u> Increase exposure of the community to communicable disease (such as COVID-19, HIV/AIDS, Malaria), or increase the risk of traffic related accidents?	Yes		So far, Kovid-19 continues to be replicated. There will be minor impact on workers so required that to comply with the Department of Infectious Diseases of the Ministry of Health on Covid-19 regulations and self-defense policies.
6	<u>Child Labor</u>		No	

Will the activity or any of its associated activities?		Yes	No	Explanation
	Involve the use of child labor or lead to increased child delinquency (school drop-outs) or child abuse.			
7	<u>Gender Equality</u> Likely to directly or indirectly increase gender inequalities or gender-based violence?	Yes		Sometimes there is discrimination against women worker in the workplace, but the need to build teamwork is related to gender equality, considering the inclusion of women's ideas and the absence of Sexual Harassment (SH).
8	<u>Disadvantaged or Vulnerable Individuals or Groups</u> Lead to any risks and impacts on, individuals or groups who, because of their particular circumstances, may be disadvantaged or vulnerable, as defined below.		No	
9	<u>Grievance Redress Mechanism (GRM)</u>	Yes		The Grievance Redress Mechanism (GRM) could be applied and disseminated to the AC member and villager who will complaint about the activities affected by road rehabilitation to the community.
10	<u>Associated Facility</u> Does the project have any associated facilities		No	
11	<u>Unexploded Ordinance (UXO)</u> Is there potential history or occurrence of unexploded ordinance or land mines? (If the proposed area has potential land mind risk, please coordinate with UXO specialist consultant for the chance find procedures).		No	
12	<u>Labor Influx</u> Is there a potential for the activity to result in workers moving into the project area in search of employment?		No	
13	<u>Conflict</u> Is the proposed activity in a conflict zone?		No	

Section 4 – Summary of the due diligence findings

Type of ES instruments required for the proposed subproject:

- ESCoP
 Site specific ESMP

Finding Summary:

In summary, the location of the Laterite road rehabilitation of Rumtom Samaki Meanchey Agricultural Cooperative is the existing road located in Rumtom Commune, Rovieng District, Preah Vihear Province. The majority of identified environmental impact screening as not significant impacts for environment and social aspect due to the existing road location has no sensitive receptors surrounding that place.

Section 5 - Certification

We certify that we have thoroughly examined all the potential adverse effect of this activity. To the best of our knowledge, the activity will follow the ESCoP and will prepare the additional plans (such as site specific ESMP) as per ESMF guidance, to avoid or minimize all adverse environmental, social and health impacts.

Prepared by:

TR

Signature:

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Position: National Social Safeguard Supervision Consultant

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Date: 7 July 2022

Evaluated by:



Signature:

Name: Hong Sophea

Position: National Environmental Safeguard Supervision Consultant

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Date: 9 July 2022

Approved by:



Signature:

Name: Ith Chumnan

Position: Chief of Safeguard

Contact: 012 44 54 58, Email : ith.chumnan@gmail.com

Date: 9 July 2022

Annex 2: Minute of consultation meeting

The following meeting minute is prepared in collaboration with project affected people, project vicinity, and local authority of the project area for ESCoP preparation

**ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ**

**កំណត់ហេតុ
ស្តីពី**

ការពិនិត្យអំពីតម្រូវការនៃការសិក្សារៀបចំក្រុមប្រតិបត្តិបរិស្ថាន (EOOP) និងរៀបចំសិក្សាផលប៉ះពាល់ដីធ្លី
របស់

អនុគម្រោងកែលម្អផ្លូវគ្រួសក្រហមមួយខ្សែនៅក្នុងសំណើពិពិធកម្មកសិកម្មរបស់គម្រោង CASDP ឆ្នាំ ២០២២

ឆ្នាំទាលចត្វាស័ក ព.ស ពីរពាន់ប្រាំរយហុកសិបប្រាំមួយ ខែផល្គុន ថ្ងៃទី១៧ ឆ្នាំចូលឆ្នាំ ២០២២ ព្រះបរមរាជវាំង ភ្នំពេញ ខេត្តព្រះវិហារ បាន
រៀបចំកិច្ចប្រជុំមួយ ដើម្បីផ្សព្វផ្សាយជាសាធារណៈស្តីពីគ្រោងការអនុគម្រោងកែលម្អផ្លូវគ្រួសក្រហមរបស់សហ
គមន៍កសិកម្មមេមសាមគ្គីមានជ័យយើងក្នុងឃុំរមេម ស្រុករៀង ខេត្តព្រះវិហារ និងផ្សព្វផ្សាយសិទ្ធិរបស់កម្ម
សិទ្ធិករ ភោគី ឬ អ្នកប្រើប្រាស់ដីធ្លី ក្រោមអធិបតីភាព លោកស្រី វិក យ៉ា ជាមេឃុំរមេម ស្រុករៀង ខេត្តព្រះវិហារ
។

សមាសភាពចូលរួមក្នុងកិច្ចប្រជុំ

- វត្តមាន លោក ក្រុមប្រឹក្សាឃុំ
- វត្តមាន លោក មេភូមិ និង ប្រជាពលរដ្ឋ (ភ្ជាប់បញ្ជីវត្តមាន)
- វត្តមាន អ្នកកាន់គម្រោងជាក់ក្រោមជាតិ

របៀបនោះប្រជុំមាន

១. មតិបើកកិច្ចប្រជុំរបស់លោកមេឃុំរមេម
២. ការពិនិត្យមើលអំពីតម្រូវការសិក្សាដើម្បីរៀបចំក្រុមប្រតិបត្តិបរិស្ថាន EOOP
៣. ការពិនិត្យអំពីតម្រូវការនៃការសិក្សាផលប៉ះពាល់ដីធ្លីនិងទ្រព្យសម្បត្តិផ្សេងៗ
៤. បញ្ហាផ្សេងៗ

ជាកិច្ចចាប់ផ្តើម លោកស្រី វិក យ៉ា ជាមេឃុំរមេម បានមានប្រសាសន៍បើកអង្គប្រជុំ និងមានមតិ ទៅកាន់
អ្នកចូលរួមថា: ឃុំបានអនុវត្តអនុគម្រោងជាអាទិភាពដែលបានលើកឡើងក្នុងឃុំឆ្នាំ២០២២នេះ គឺអនុគម្រោង
ផ្លូវក្រាលគ្រួសក្រហមស្ទើរឡើងដោយសហគមន៍កសិកម្មមេមសាមគ្គីមានជ័យក្នុងគម្រោងពិពិធកម្មកសិកម្ម
កម្ពុជា ដែលនឹងផ្តល់ផលប្រយោជន៍ឱ្យអ្នកទទួលបានផលដែលជាប្រជាពលរដ្ឋចំនួន៣ភូមិ គឺភូមិទួលរៀង ភូមិ
ត្រពាំងទន្ទឹម និងភូមិអូរទ្រលោក នៅក្នុងឃុំរមេមនេះ។ លោកក្រុមប្រឹក្សាឃុំបានបន្ថែមថា ដើម្បីបានទទួលផ្លូវ
ក្រាលគ្រួសក្រហមនេះក្រុមការងារបច្ចេកទេស នឹងធ្វើការវាស់វែងដើម្បីពង្រីកទទឹងផ្លូវ ដូចនេះ បើមានផលប៉ះ
ពាល់ដីធ្លីខ្លះ ដើមឈើលូបផ្លែ របងជាដើម តម្រូវឱ្យបរិច្ចាគក្នុងកម្រិតសមស្របដោយពុំមានការបង្ខិតបង្ខំឡើយ។

ជាមួយគ្នានេះ បើបងប្អូនគ្រួសារណាមួយ ឬច្រើនគ្រួសារមិនយល់ស្រប មិនបរិច្ចាគ គម្រោងក៏មិនហ៊ានដំណើរការអនុវត្តន៍ដែរ។

ជាបន្តលោក ជុង ជ្រថៃ ជាអនុប្រធានសហគមន៍កសិកម្មរួមទមសាមគ្គីមានជ័យបានលើកយកខ្លឹមសារសំខាន់ៗបន្ថែមទៀតមកពន្យល់ មានដូចខាងក្រោម៖

- សិទ្ធិរបស់កម្មសិទ្ធិករ ភោគី ឬ អ្នកប្រើប្រាស់ដីក្នុងការទទួលបានព័ត៌មានគម្រោង
- អំពីការបរិច្ចាគដីធ្លី របង ដើមឈើហូបផ្លែ ដោយដោយស្ម័គ្រចិត្ត
- អំពីសិទ្ធិក្នុងការទទួលបានដោយយកសំណងទូទាត់
- អំពីនីតិវិធីនៃការតវ៉ាជាដើម ។

លោក ហុង សុភា ទីប្រឹក្សាផ្នែកគាំពារបរិស្ថាន បានធ្វើការពន្យល់ដល់អ្នកចូលរួមពីមូលហេតុដែលបង្កអោយមានផលប៉ះពាល់បរិស្ថានដែលអាចកើតមានឡើងដូចជា ដីហុយពេលសាងសង់ សំឡេងរំខាន ស្ទះចរាចរ គ្រោះថ្នាក់ដល់កម្មករ សុវត្ថិភាពសុខភាព ប្រភពទឹក ការទន្ទ្រានលើតំបន់ប្រវត្តិសាស្ត្រតំបន់ ទន្ទ្រានលើប្រព័ន្ធអេកូឡូស៊ី ការបំផ្លាញគម្របរុក្ខជាតិការផ្លាស់ប្តូរគុណភាពទឹកលើដី ឬសំបុកទឹកការប្រើប្រាស់ជាតិផ្ទុះ និងសារធាតុគីមីគុណភាពខ្យល់បាត់បង់ព្រៃឈើ ឬសំណង់របស់គ្រួសារជាបណ្តោះអាសន្ន ឬអចិន្ត្រៃយ៍ ។ល។

អ្នកចូលរួមទាំងអស់បានលើកឡើងថា សំណើខ្សែផ្លូវដែលឡើងនេះមិនមានផលប៉ះពាល់ដល់បរិស្ថានដូចបានរៀបរាប់ខាងលើនោះទេ ដោយសារតែទំហំផ្លូវចាស់មានស្រាប់ដែលស្ថិតនៅតំបន់ទីប្រជុំជនរបស់ប្រជាពលរដ្ឋប្រើប្រាស់រាល់ថ្ងៃ ។ តែទោះយ៉ាងណានឹងអាចមានផលប៉ះពាល់ខ្លះៗពេលសាងសង់ដូចជា ដីហុយសំឡេងរំខានពីគ្រឿងចក្រ គុណភាពខ្យល់ គុណភាពទឹក ការហូរច្រោះដី និងសុខភាពរបស់កម្មករ ដែលផលប៉ះពាល់ទាំងអស់នេះអាចការទប់ស្កាត់បាន ។

លោក តេ វិទ្ធី ទីប្រឹក្សា សុវត្ថិភាពសង្គម បានធ្វើការពន្យល់ពីទំហំនៃផលប៉ះពាល់ដីធ្លី និងទ្រព្យសម្បត្តិ ផ្តល់សេចក្តីយល់ព្រមបង្ហាញពីគំនូសប្លង់បច្ចេកទេសថា យោងតាមគំនូសប្លង់ខ្សែផ្លូវស្ទើរឡើងទំហំ ៦ ម ខ្នងលើ ដូច្នេះ ទំហំដីដែលត្រូវការសម្រាប់សាងសង់គឺមានទំហំ ១០ ទៅ ១២ ម ។ ដូច្នេះមានដីស្រែ ចំការ ដីលំនៅដ្ឋាន ទ្រព្យសម្បត្តិ នានា ដើមឈើ របង ..។ល។ ដែលស្ថិតនៅតាមបណ្តោយផ្លូវក្នុងទំហំ ១០ ទៅ ១២ម គឺជាទីតាំងដែលនឹងរងផលប៉ះពាល់ ហើយត្រូវធ្វើការវាស់វែងលម្អិតដើម្បីប្រមូលទូរលេខនៃផលប៉ះពាល់ជាក់លាក់ដើម្បីរៀបចំរបាយការណ៍ជាក់ជូនថ្នាក់ដឹកនាំគម្រោង និងធនាគារពិភពលោកត្រួតពិនិត្យ និងផ្តល់យោបល់ណែនាំ តែក្នុងករណីបើប៉ះពាល់ដីធ្លីតិចជាង ១០% គឺគម្រោងនិងសុំការបរិច្ចាគពីម្ចាស់ដី ។

លើសពីនេះទៀត ក្នុងអំឡុងពេលពិគ្រោះយោបល់យន្តការដោះស្រាយវិវាទ (GRM) ត្រូវបានពន្យល់យ៉ាងច្បាស់ដល់អ្នកចូលរួម ។ វាត្រូវបានគេនិយាយយ៉ាងច្បាស់ថាប្រជាពលរដ្ឋមានសិទ្ធិទាមទារសំណងរបស់ពួកគេដោយយោងទៅតាមគោលនយោបាយការពាររបស់ធនាគារពិភពលោកហើយគ្មាននរណាម្នាក់ត្រូវបានគេបង្ខំឱ្យមិនចំណែកដីសម្រាប់អនុកម្មវិធីនេះទេ ។ ក្រុមការងារគម្រោង និងអាជ្ញាធរមូលដ្ឋាន ភូមិ ឃុំ បានចុះទៅពិនិត្យមើលទីតាំងខ្សែផ្លូវដែលបានស្នើ ដើម្បីវាស់វែង អង្កេតមើលប្រមូលព័ត៌មានពីផលប៉ះពាល់បរិស្ថាន និងសង្គមនិង

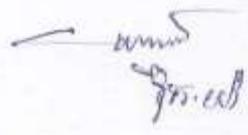
ឈានដល់ការរៀបចំវិធានការការទប់ស្កាត់ផលប៉ះពាល់ដោយប្រើឧបករណ៍ ក្រុមប្រតិបត្តិបរិស្ថាន EOCOP របាយការបរិច្ចាគដីធ្លីដោយស្ម័គ្រចិត្ត VLD សម្រាប់ការអនុវត្តគម្រោង ។

ចុងបញ្ចប់ លោកស្រី រ៉ែក យ៉ា ជាមេឃុំ និងប្រធានអង្គប្រជុំ បានឡើងមានប្រសាសន៍លើកឡើងថា បន្ទាប់ពីការប្រជុំនេះទៅ សំណូមពរអោយបងប្អូនត្រូវឈរតាមក្បាលដីរៀងៗខ្លួន រង់ចាំក្រុមបច្ចេកទេសធ្វើការវាស់វែងបង្ហាញលទ្ធផលដែលបានអង្កេតជាតើត្រូវប៉ះពាល់កំរិតណា ដើម្បីយកទៅពិភាក្សាគ្នាក្នុងគ្រួសារ មុនពេលប្រជុំលើកទីពីរ ដែលនឹងប្រព្រឹត្ត នៅថ្ងៃទីម្ភៃ ខែមិថុនា ឆ្នាំ២០២២ ខាងមុខនេះ។ ពេលនោះ នឹងមានធ្វើការពិភាក្សាគ្នាឲ្យកាន់តែលំអិត យល់ឲ្យបានច្បាស់លាស់ ដោយគ្មានការបង្ខិតបង្ខំ ដើម្បីធ្វើសេចក្តីសំរេចចិត្តដោយខ្លួនឯង ក្រុមបរិច្ចាគ ឬមិនបរិច្ចាគ និងយល់ព្រមផ្តិតមេដៃជាភស្តុតាងជឿសរាងកើតមានបញ្ហានៅថ្ងៃក្រោយ ។

អង្គប្រជុំបានបញ្ចប់សព្វគ្រប់នៅវេលា ម៉ោងដប់មួយវិញ្ញាណ នាថ្ងៃខែឆ្នាំដដែលក្នុងបរិយាកាសរីករាយ និងស្និទ្ធស្នាលក្រែកលែង ។

បានឃើញ និងបញ្ជាក់

ប្រធានអង្គប្រជុំ



លេខាគត់ត្រា



Annex 3 : Attendants of consultation Meeting

The laterite road rehabilitation Sob-project of Agricultural Cooperative in Romtom Commune, Roveang district, Preah Vihear Province

ព្រះរាជាណាចក្រកម្ពុជា
ជាតិ សាសនា ព្រះមហាក្សត្រ
បញ្ជីចាត់តាំង

គណៈកម្មាធិការស្រាវជ្រាវ និង ត្រួតពិនិត្យការងារសាងសង់ផ្លូវល្បឿនលឿន
មីករទ្រូងប្រជុំ : សាងសង់ប្រវែង ១០០០ម៉ែត្រ ក្នុងភូមិស្រែចម្ការ
ថ្ងៃទី ...០៩... ខែ ឧសភា... ឆ្នាំ ២០១២...

ល.រ	គោត្តនាម-នាម	ភេទ	មុខងារ	អង្គការ/ភូមិ	លេខទូរស័ព្ទ	ហត្ថលេខា/ស្នាមមេដៃ
1	កង់ សុភា	ប	កសិករ	ស្រែចម្ការ	0882072366	
2	គ្រី សុភា	ស	កសិករ	ស្រែចម្ការ	088979469	
3	ស្រី ឌី	ប	កសិករ	ស្រែចម្ការ		
4	សាវ ស្រី	ស	កសិករ	ស្រែចម្ការ	0885489494	
5	គ្រី សុភា	ស	កសិករ	ស្រែចម្ការ		
6	សាវ ស្រី	ស	កសិករ	ស្រែចម្ការ	0717048482	
7	សាវ ស្រី	ស	កសិករ	ស្រែចម្ការ	0714074023	
8	ស្រី សុភា	ស	កសិករ	ស្រែចម្ការ	086067500	
9	ស្រី កង់	ប	កសិករ	ស្រែចម្ការ		
10	គ្រី សុភា	ស	កសិករ	ស្រែចម្ការ	0979894212	
11	ស្រី សុភា	ប	កសិករ	ស្រែចម្ការ		

12	સુ ડાહ્યો	ભ	કલેક્ટર	ક્રાંતિકારી	0606669396	
13	સુ ડાહ્યો	બ	કલેક્ટર	ક્રાંતિકારી		
14	ભાઈ ભાઈ	બ	કલેક્ટર	ક્રાંતિકારી	0882565703	
15	ભાઈ ભાઈ	ભ	કલેક્ટર	ક્રાંતિકારી	0889988590	
16	ભાઈ ભાઈ	બ	કલેક્ટર	ક્રાંતિકારી		
17	ભાઈ ભાઈ	બ	કલેક્ટર	ક્રાંતિકારી	0978277109	
18	ભાઈ ભાઈ	બ	કલેક્ટર	ક્રાંતિકારી	060678651	
19	ભાઈ ભાઈ	ભ	કલેક્ટર	ક્રાંતિકારી		
20	ભાઈ ભાઈ	ભ	કલેક્ટર	ક્રાંતિકારી		
21	ભાઈ ભાઈ	ભ	કલેક્ટર	ક્રાંતિકારી		
22	ભાઈ ભાઈ	બ	કલેક્ટર	ક્રાંતિકારી	088379943	
23	ભાઈ ભાઈ	ભ	કલેક્ટર	ક્રાંતિકારી	0979639296	
24	ભાઈ ભાઈ	ભ	કલેક્ટર	ક્રાંતિકારી	092485212	
25	ભાઈ ભાઈ	ભ	કલેક્ટર	ક્રાંતિકારી		
26	ભાઈ ભાઈ	બ	કલેક્ટર	ક્રાંતિકારી		
27	ભાઈ ભાઈ	બ	કલેક્ટર	ક્રાંતિકારી	0979355050	

28	ဒုတိယ ညွှန်ကြားရေး	ဗ	ကလေးကလေး	ကျွန်းကြီး		
29	ဒုတိယ ညွှန်ကြားရေး	ဗ	ကလေးကလေး	ကျွန်းကြီး		
30	ဒုတိယ ညွှန်ကြားရေး	ဗ	ကလေးကလေး	ကျွန်းကြီး		
31	ဒုတိယ ညွှန်ကြားရေး	ဗ	ကလေးကလေး	ကျွန်းကြီး		
32	ဒုတိယ ညွှန်ကြားရေး	ဗ	ကလေးကလေး	ကျွန်းကြီး		
33	ဒုတိယ ညွှန်ကြားရေး	ဗ	ကလေးကလေး	ကျွန်းကြီး		
34	ဒုတိယ ညွှန်ကြားရေး	ဗ	ကလေးကလေး	ကျွန်းကြီး		
35	ဒုတိယ ညွှန်ကြားရေး	ဗ	ကလေးကလေး	ကျွန်းကြီး	088 2099961	
36	ဒုတိယ ညွှန်ကြားရေး	ဗ	ကလေးကလေး	ကျွန်းကြီး	088 2376678	