

**EAAB - CAPEX Program for Water and Sanitation in Bogotá - COLOMBIA  
Environmental and Social Action Plan (ESAP)**

No.	Aspect	Action	Deliverable	Delivery date
<b>PS1: Assessment and Management of E&amp;S Risks and Impacts</b>				
1.1	Environmental and social policy	1. Display up a copy of the Environmental Policy on the billboards of each project that is partially financed with the proceeds from this transaction <sup>1</sup> .	1. Evidence that a copy of the policy has been displayed.	1. Prior to the order to proceed for projects that have not yet started, and prior to the first disbursement for those under execution
1.2	Contextual risk	1. Carry out a safety risk assessment for the whole Project to include: (i) the identification of potential safety and violence risks (group or collective violence, violent crimes and retaliation) and other contextual risks; (ii) an assessment of the risks derived from the implemented safety measures for those inside and outside the facilities; and (iii) an identification of the training and equipment needs of the security personnel.	1. Report on the safety risk assessment for the whole Project	1. Prior to the first disbursement
		2. Implement the safety risk assessment for the whole Project.	2. Evidence of implementation	2. As part of the environmental and social compliance reports (ESCR)
1.3	Identification of risks and impacts	1. Produce a copy of the environmental, social, and occupational health and safety measures implementation plan (PIMMAS) for each project to be financed by this transaction.	1. A copy of the environmental, social, and occupational health and safety measures implementation plan (PIMMAS)	1. Prior to the order to proceed for projects that have not yet started, and prior to the first disbursement for those under execution
		2. Provide a copy of Form D5 for each project to be financed by this transaction.	2. Copy of Form D5	2. Prior to the order to proceed for projects that have not yet started, and prior to the first disbursement for those under execution
		3. Produce a copy of the management measures included in the PIMMAS for each project to be financed by this transaction.	3. A copy of the management measures	3. Prior to the order to proceed for projects that have not yet started, and prior to the first disbursement for those under execution
		4. Produce a copy of the social risk matrix for each project to be financed by this transaction.	4. A copy of the social risk matrices.	4. Prior to the order to proceed for projects that have not yet started, and prior to the first disbursement for those under execution
		5. Produce the matrix of required environmental permits for each project to be financed by this transaction.	5. A copy of the matrix of required environmental permits	5. Prior to the order to proceed for projects that have not yet started, and prior to the first disbursement for those under execution
		6. Produce an E&S closing report for each project to be financed by this transaction.	6. An E&S closing report	6. Within 30 days after the provisional acceptance of the works
		7. Develop a procedure to identify and assess the risks and impacts generated by the works on the community for each project to be partially financed by this transaction.	7. Procedure to identify and assess risks and impacts on the community	7. Prior to the order to proceed for projects that have not yet started, and prior to the first disbursement for those under execution
		8. Implement the procedure to identify and assess risks and impacts generated by the works on the community.	8. Evidence of implementation	8. As part of the ESCR

<sup>1</sup> The list of projects is detailed in the first section of the Environmental and Social Review Summary (ESRS) prepared for the Project.

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		9. Prepare an occupational health and safety (OHS) plan to include, among other aspects:(i) the identification of OHS risks associated with the works; (ii) measures to handle the identified risks; (ii) an implementation schedule for the proposed measures; (iv) measures and minimum requirements of workplace wellbeing (dining rooms, sanitary facilities, hydration stations, etc.); and ( v) instructions for handling and managing hazardous waste and materials, for the optimization and improvement phase of the Tibitoc plant.	9. Occupational health and safety (OHS) plan for the optimization and improvement of the Tibitoc plant	9. Prior to the first disbursement
		10. Execution of the occupational health and safety plan for the optimization and improvement of the Tibitoc plant.	10. Evidence of implementation	10. As part of the ESCR
1.4	Stakeholder Engagement	1. Produce an updated stakeholder map for each project to be partially financed by this transaction.	1. Updated stakeholder map	1. Prior to the order to proceed for projects that have not yet started, and prior to the first disbursement for those under execution
		2. Produce updated minutes of the communication events organized for each project to be partially financed by this transaction.	2. A copy of the updated minutes of the communication events organized	2. As part of the ESCR
		3. Give the moving Acuapuntos staff more visibility (special uniforms, differentiated helmets, etc.) so that they can be better identified by the community.	3. Evidence of implementation	3. As part of the ESCR
1.5	Grievance mechanism	1. Prepare a matrix to record:( i) all questions, grievances, claims and requests (QGCRs) submitted by any Project stakeholder; (ii) the way each QGCR was handled; (iii) the result of the QGCR analysis; and (iv) the means and date the QGCR resolution was communicated to the requester, for each project to be financed by this transaction.	1. External QGCR matrix	1. As part of the ESCR
1.6	Emergency preparedness and response	1. Produce the emergency preparedness and response plan for each project to be financed by this transaction.	1. A copy of the emergency preparedness and response plan	1. Prior to the order to proceed for projects that have not yet started, and prior to the first disbursement for those under execution
<b>PS2: Labor and Working Conditions</b>				
2.1	Supply chain	1. Develop a suppliers' assessment mechanism.	1. A copy of the suppliers assessment mechanism	1. Prior to the first disbursement
		2. Implement the suppliers' assessment mechanism.	2. Evidence of implementation	2. As part of the ESCR
2.2	Internal grievance mechanism	1. Prepare a matrix to record:( i) all questions, grievances, claims and requests (QGCRs) submitted by the workers;( ii) the way each QGCR was handled; (iii) the result of the QGCR analysis; and (iv) the means and date the QGCR resolution was communicated to the worker, for each project to be partially financed by this transaction.	1. Internal QGCR matrix.	1. Periodically in the ESCR
<b>PS3: Resource Efficiency and Pollution Prevention</b>				
3.1	Greenhouse gases (GHG)	1. Calculate the annual corporate GHG emissions (Scope 1 and 2).	1. Amount of the actual annual GHG emissions for the current year	1. Within three months after the calendar year-end
		2. Forecast the corporate annual GHG emissions (Scope 1 and 2).	2. Amount of the actual annual GHG emissions for the following year	2. Within three months after the calendar year-end
3.2	Water consumption	1. Estimate how much water is consumed annually at EAAB offices.	1. Amount of annual water consumption (m <sup>3</sup> )	1. As part of the ESCR
3.3	Energy consumption	1. Estimate how much electric power is consumed at EAAB offices and facilities.	1. Amount of annual power consumption (kWh)	1. As part of the ESCR

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		2. Estimate how much electric power is consumed annually at Tibitoc plant.	2. Amount of annual power consumption (kWh)	2. As part of the ESCR
3.4	Waste management	1. Perform random inspection visits to determine how solid waste managers hired by the contractors are collecting and disposing of the wastes.	1. Inspection visits	1. As part of the ESCR
<b>PS4: Community Health and Safety</b>				
4.1	Fire protection system	1. Produce —for the modernization works at the Tibitoc drinking water treatment plant— the UL and EN54 certificates for the installation of a fire detecting system in the operation zones as per NSR 10: Title J: Firefighting requirements for buildings, and NFPA 72, edition 2019.	1. UL and EN54 certificates	1. Within 30 days after the provisional acceptance of the improvement works
<b>PS8: Cultural heritage</b>				
8.1	Chance finds	1. Produce a chance finds procedure.	1. Chance finds procedure	Prior to the first disbursement
		2. Develop a training plan for handling chance finds for all staff engaged in work sites, involving earth works, digging or removing.	2. Chance finds training program	Prior to the first disbursement
		3. Implement the chance finds training plan.	3. Evidence of implementation	As part of the ESCR