

**SCIENTIFIC AND TECHNOLOGICAL RESEARCH
COUNCIL OF TÜRKİYE
TÜBİTAK**

TÜRKİYE GREEN INDUSTRY PROJECT

(P179255)

**ENVIRONMENTAL AND SOCIAL
COMMITMENT PLAN (ESCP)**

Negotiated

28 April, 2023

ENVIRONMENTAL AND SOCIAL COMMITMENT PLAN

1. SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TÜRKİYE, also known as *Türkiye Bilimsel ve Teknolojik Araştırma Kurumu* or TÜBİTAK (hereinafter the **Borrower** or **TÜBİTAK**) will implement Part 3 of the Türkiye Green Industry Project (**TÜBİTAK's Respective Part of the Project**) as set out in the Loan Agreement. The International Bank for Reconstruction and Development hereinafter the Bank has agreed to provide financing for the Project, as set out in the referenced Loan Agreement.
2. TÜBİTAK shall ensure that TÜBİTAK's Respective Part of the Project is carried out in accordance with the Environmental and Social Standards (ESSs) and this Environmental and Social Commitment Plan (ESCP), in a manner acceptable to the World Bank. The ESCP is a part of the Loan Agreement. Unless otherwise defined in this ESCP, capitalized terms used in this ESCP have the meanings ascribed to them in the referred agreement(s).
3. Without limitation to the foregoing, this ESCP sets out material measures and actions that TÜBİTAK shall carry out or cause to be carried out, including, as applicable, the timeframes of the actions and measures, institutional, staffing, training, monitoring and reporting arrangements, and grievance management. The ESCP also sets out the environmental and social (E&S) instruments that shall be adopted and implemented under TÜBİTAK's Respective Part of the Project, all of which shall be subject to prior consultation and disclosure, consistent with the ESS, and in form and substance, and in a manner acceptable to the World Bank. Once adopted, said E&S instruments may be revised from time to time with prior written agreement by the World Bank.
4. As agreed by the World Bank and the TÜBİTAK, this ESCP will be revised from time to time if necessary, during Project implementation, to reflect adaptive management of Project changes and unforeseen circumstances or in response to Project performance. In such circumstances, TÜBİTAK and the World Bank agree to update the ESCP to reflect these changes through an exchange of letters signed between the World Bank and the TÜBİTAK PIU director. The TÜBİTAK shall promptly disclose the updated ESCP.

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY
MONITORING AND REPORTING			
A	<p>REGULAR REPORTING</p> <p>Prepare and submit to the World Bank regular monitoring reports on the environmental, social, health and safety (ESHS) performance of TÜBİTAK's Respective Part of the Project, including but not limited to the implementation of the ESCP, status of preparation and implementation of E&S instruments required under the ESCP, stakeholder engagement activities, and functioning of the grievance mechanism(s).</p> <p>Submit to the Bank the first ten (10) Environmental and Social Due Diligence (ESDDs) conducted for the first (10) firms selected for <u>each category of support</u>: (a) TÜBİTAK Reimbursable Financing, and (b) Matching Grants.</p> <p>Submit on a six-monthly basis, ten (10) ESDDs for the largest TÜBİTAK Reimbursable Financings approved by TÜBİTAK in that reporting period.</p>	<p>Submit six-monthly reports to the World Bank throughout Project implementation, commencing after the Effective Date of the Loan Agreement. Submit each report to the World Bank no later than fifteen (15) days after the end of each reporting period.</p> <p>Submit to the World Bank the first ten (10) ESDDs for review no later than nine (9) months after the Effective Date.</p> <p>During implementation phase, on a six-monthly basis, submit to the Bank for review the ESDDs for the ten (10) Subprojects with the largest amounts proposed for TÜBİTAK Reimbursable Financing. The six-month reporting cycle shall be June and December of each calendar year. The six-monthly report shall be submitted for World Bank review, no later than sixty (60) days after each reporting cycle.</p>	<p>TÜBİTAK Project Implementation Unit (PIU)</p> <p>TÜBİTAK PIU</p> <p>TÜBİTAK PIU</p>
B	<p>INCIDENTS AND ACCIDENTS</p> <p>Promptly notify the World Bank of any incident or accident related to TÜBİTAK's Respective Part of the Project which has, or is likely to have, a significant adverse effect on the environment, the affected communities, the public or workers, including, inter alia, cases of sexual exploitation and abuse (SEA), sexual harassment (SH), and accidents that result in death, serious or multiple injury. Provide sufficient detail regarding the scope, severity, and possible causes of the incident or accident, indicating immediate</p>	<p>Notify the World Bank no later than 48 hours after learning of the incident or accident.</p>	<p>TÜBİTAK PIU</p>

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY
	<p>measures taken or that are planned to be taken to address it, and any information provided by any contractor and/or supervising firm, as appropriate.</p> <p>Subsequently, at the World Bank's request, prepare a report on the incident or accident, including Root Cause Analysis (RCA) report and propose any measures to address it and prevent its recurrence.</p>	Provide subsequent report to the World Bank, including RCA, precautions and measures to remediate the incident or accident, no later than thirty (30) calendar days following the occurrence of the incidence	
C	<p>ENVIRONMENTAL AND SOCIAL MANAGEMENT SYSTEM (ESMS)</p> <p>Develop and implement an ESMS which includes a procedure for screening, monitoring and reporting of moderate and low risk activities of the TÜBİTAK Reimbursable Financing and Matching Grant support beneficiary firms in line with World Bank's ESS 9.</p>	An ESMS, in form and substance acceptable to the Bank shall be developed, disclosed and adopted no later than thirty (30) days after the Effective Date.	TÜBİTAK PIU
ESS 1: ASSESSMENT AND MANAGEMENT OF ENVIRONMENTAL AND SOCIAL RISKS AND IMPACTS			
1.1	<p>ORGANIZATIONAL STRUCTURE</p> <p>Establish and maintain a PIU with qualified staff and resources to support management of ESHS risks and impacts of TÜBİTAK's Respective Part of the Project including one environmental, one social and one occupational health and safety specialist.</p>	Establish and maintain a PIU, as set out in the Loan Agreement. Hire or appoint one environmental, one social and one occupational health and safety specialist, under the Terms of Reference and qualifications acceptable to the World Bank, no later than thirty (30) days after the Effective Date, and thereafter maintain these positions throughout Project implementation.	TÜBİTAK
1.2	<p>ENVIRONMENTAL AND SOCIAL ASSESSMENT</p> <p>TÜBİTAK shall develop, disclose, maintain, and implement a satisfactory ESMS, in line with the requirements of ESS9, that is acceptable to the World Bank. The ESMS shall include documents and procedures to ensure that its TÜBİTAK Reimbursable Financing and Matching Grant support activities are, in the opinion of the Bank, compliant with the WBG Exclusion List, relevant national laws as confirmed by the Bank, and the Environmental and Social Standards.</p>	ESMS, in form and substance acceptable to the Bank, shall be prepared and adopted no later than 30 days after the Effective Date of the Loan, and implemented throughout TÜBİTAK's Respective Part of the Project.	TÜBİTAK PIU

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY
	<p>As part of its TÜBİTAK Reimbursable Financing and Matching Grant support approval process, TÜBİTAK shall conduct E&S due diligence review of each beneficiary firm in line with the Exclusion List, relevant national laws as confirmed by the Bank, ESSs and eligibility criteria for all potential investments and, where applicable, E&S action plans (ESAP) that shall be developed to address identified gaps following the due diligence review. These reviews shall be conducted based on the declarations provided by the beneficiary firms of the TÜBİTAK Reimbursable Financing and Matching Grant support.</p> <p>TÜBİTAK shall present to the Bank for prior review the first ten (10) sets of ESDDs of the beneficiaries selected by TÜBİTAK for, in <u>each</u> case, TÜBİTAK Reimbursable Financing and Matching Grant support financing and thereafter during project implementation conduct supervision spot checks of E&S documents of selected beneficiary firms of reimbursable support financing.</p>	<p>Where applicable, ESAP documents addressing World Bank ESSs acceptable to World Bank shall be prepared prior to TÜBİTAK Reimbursable Financing and Matching Grant support is approved by TÜBİTAK for an individual firm beneficiary.</p> <p>Throughout Project implementation.</p>	
1.4	<p>TECHNICAL ASSISTANCE</p> <p>Ensure that the consultancies, studies (including feasibility studies, if applicable), capacity building, training, and any other technical assistance activities under TÜBİTAK's Respective Part of the Project are carried out in accordance with terms of reference acceptable to the World Bank, that are consistent with the ESSs. Thereafter ensure that the outputs of such activities comply with the terms of reference.</p>	Throughout Project implementation.	TÜBİTAK PIU
ESS 2: LABOR AND WORKING CONDITIONS			
2.1	<p>LABOR MANAGEMENT PROCEDURES</p> <p>Adopt and implement the Labor Management Procedures (LMP) for TÜBİTAK's Respective Part of the Project, including, inter alia, provisions on working conditions, management of workers relationships, occupational health and safety (including personal protective equipment, and emergency preparedness and response), code of conduct (including relating to SEA and SH), forced labor, child labor, grievance arrangements for Project workers, and applicable requirements for contractors and subcontractors. Ensure that Project workers are informed of and have access to these procedures.</p>	Adopt the LMP no later than thirty (30) days after the Effective Date and thereafter implement the LMP throughout Project implementation and monitor and report its implementation status through progress reports semi-annually (every 6 months).	TÜBİTAK PIU

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY
2.2	<p>GRIEVANCE MECHANISM FOR PROJECT WORKERS</p> <p>Establish and operate a grievance mechanism (GM) for Project workers, as described in the LMP in line with national laws and consistent with ESS2. The GM shall be adapted to receive and respond to SEA/SH complaints. The GM shall be easily accessible and promptly disclosed to Project workers, in line with ESS2 and national laws.</p>	Establish grievance mechanism prior engaging Project workers, and no later than 30 days after the Effective Date and thereafter maintain and operate it throughout Project implementation and report its implementation status through progress reports semi-annually (every 6 months).	TÜBİTAK PIU
ESS 3: RESOURCE EFFICIENCY AND POLLUTION PREVENTION AND MANAGEMENT			
3.1	<p>RESOURCE EFFICIENCY AND POLLUTION PREVENTION AND MANAGEMENT</p> <p>As part of the E&S due diligence (ESDD) to be conducted for each beneficiary SME firm of TÜBİTAK Reimbursable Financing and Matching Grant support by TÜBİTAK under action 1.2 above, ESS3 shall be applied within the scope of TÜBİTAK's ESMS as relevant.</p>	Where assessed as relevant, ESS 3 shall be assessed as part of the ESDD of each beneficiary firm of TÜBİTAK Reimbursable Financing and Matching Grant support, and ESAPs shall be developed to address identified gaps prior to TÜBİTAK's approval to extend TÜBİTAK Reimbursable Financing or Matching Grant, as the case may be, to a firm. This shall be implemented throughout Project implementation	TÜBİTAK PIU
ESS 4: COMMUNITY HEALTH AND SAFETY			
4.1	<p>COMMUNITY HEALTH AND SAFETY</p> <p>As part of the E&S due diligence (ESDD) to be conducted by TÜBİTAK for each beneficiary firm of TÜBİTAK Reimbursable Financing and Matching Grant support under action 1.2 above, ESS4 shall be applied within the scope of TÜBİTAK's ESMS, as relevant.</p>	Where assessed as relevant, ESS4 shall be assessed as part of the beneficiary firm's ESDD, and ESAPs shall be developed to address identified gaps prior to TÜBİTAK's approval of the TÜBİTAK Reimbursable Financing or Matching Grant support, as the case may be, to the firm. This shall be implemented throughout Project implementation	TÜBİTAK PIU
ESS 5: LAND ACQUISITION, RESTRICTIONS ON LAND USE AND INVOLUNTARY RESETTLEMENT 			

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY
5.1	Not Relevant to TÜBİTAK's Respective Part of the Project		
ESS 6: BIODIVERSITY CONSERVATION AND SUSTAINABLE MANAGEMENT OF LIVING NATURAL RESOURCES			
6.1	Not Relevant to TÜBİTAK's Respective Part of the Project		
ESS 7: INDIGENOUS PEOPLES/SUB-SAHARAN AFRICAN HISTORICALLY UNDERSERVED TRADITIONAL LOCAL COMMUNITIES			
7.1	Not Relevant to TÜBİTAK's Respective Part of the Project		
ESS 8: CULTURAL HERITAGE			
8.1	Not Relevant to TÜBİTAK's Respective Part of the Project		
ESS 9: FINANCIAL INTERMEDIARIES			
9.1.	<p>As part of its TÜBİTAK Reimbursable Financing and Matching Grant support approval process and within its existing TÜBİTAK Reimbursable Financing and Matching Grant support financing approval framework, TÜBİTAK shall develop and implement an E&S management system (ESMS) that is acceptable to the Bank. The ESMS, commensurate to the E&S risks of its TÜBİTAK Reimbursable Financing and Matching Grant support activities, shall include a process with the following key elements:</p> <p>(a) An overall strategy and policy commitment;</p> <p>(b) Environmental and Social Procedures with respect to the principles below:</p> <ol style="list-style-type: none"> Screening all firms proposed for TÜBİTAK Reimbursable Financing and Matching Grant support Excluded Activities list set forth in the Loan Agreement and as may be further detailed in the Project Operations Manual. Screen, review, and categorize all firms proposed for TÜBİTAK Reimbursable Financing and Matching Grant support financing under TÜBİTAK's Respective Part of the Project according to their potential environmental and social risks and impacts. Require that all firms proposed for TÜBİTAK Reimbursable Financing and Matching Grant support under TÜBİTAK's Respective Part of the Project are checked, prepared, and ready to implement relevant national environmental, health and safety laws and the relevant requirements of the ESSs. Ensure that the measures needed to satisfy the requirements of (c) above are set out in the legal agreement between TÜBİTAK and each beneficiary firm of the TÜBİTAK Reimbursable Financing and Matching Grant support under TÜBİTAK's Respective Part of the Project. 	<p>An ESMS, in form and substance acceptable to the Bank, shall be developed, and adopted no later than 30 days after the Effective Date of the Loan.</p> <p>TÜBİTAK will disclose through its website, and permit, in writing, the Bank to disclose on the Bank's website, a summary of each of the elements of its ESMS.</p>	TÜBİTAK PIU

MATERIAL MEASURES AND ACTIONS	TIMEFRAME	RESPONSIBLE ENTITY
<p>e. Monitor, maintain, and regularly update environmental and social information on each beneficiary firm of TÜBİTAK Reimbursable Financing and Matching Grant support under TÜBİTAK's Respective Part of the Project.</p> <p>f. Monitor the environmental and social risk of the World Bank supported portfolio.</p> <p>(c) Organizational Capacity and Competency – TÜBİTAK shall hire/assign experienced technical environmental, social and occupational health and safety experts and train its staff responsible for ESMS implementation</p>		
ESS 10: STAKEHOLDER ENGAGEMENT AND INFORMATION DISCLOSURE		
<p>10.1 STAKEHOLDER ENGAGEMENT PLAN PREPARATION AND IMPLEMENTATION</p> <p>Adopt and implement the disclosed Stakeholder Engagement Plan (SEP) for TÜBİTAK's Respective Part of the Project, consistent with ESS10, which shall include measures to, inter alia, provide stakeholders with timely, relevant, understandable and accessible information, and consult with them in a culturally appropriate manner, which is free of manipulation, interference, coercion, discrimination and intimidation.</p>	<p>Adopt the SEP no later than thirty (30) days after the Effective Date; thereafter implement the SEP throughout Project implementation, and report its implementation status through progress reports semi-annually (every 6 months).</p>	TÜBİTAK PIU
<p>10.2 PROJECT GRIEVANCE MECHANISM</p> <p>Establish, publicize, maintain, and operate an accessible grievance mechanism, to receive and facilitate resolution of concerns and grievances in relation to TÜBİTAK's Respective Part of the Project, promptly and effectively, in a transparent manner that is culturally appropriate and readily accessible to all Project-affected parties, at no cost and without retribution, including concerns and grievances filed anonymously, in a manner consistent with ESS10.</p> <p>The grievance mechanism shall be equipped to receive, register, and facilitate the resolution of SEA/SH complaints, including through the referral of survivors to relevant gender-based violence service providers, all in a safe, confidential, and survivor-centered manner.</p>	<p>Establish and publicize the grievance mechanism no later than thirty (30) days after the Effective Date; thereafter maintain and operate the mechanism throughout Project implementation, and report its implementation status through progress reports semi-annually (every 6 months).</p>	TÜBİTAK PIU
CAPACITY SUPPORT		

MATERIAL MEASURES AND ACTIONS		TIMEFRAME	RESPONSIBLE ENTITY
CS1	TÜBİTAK PIU staff to be trained on the environmental and social risk management in the financial intermediary type of operation.	No later than ninety (90) days after the Effective Date of the Loan.	TÜBİTAK PIU in collaboration with the World Bank.