

TERMS OF REFERENCE

IMPLEMENTATION OF GHG EMISSIONS INTENSITY BENCHMARKS FOR EMISSION TRADING SYSTEM

1. OBJECTIVE

The objective of this contract is to deliver technical assistance to the Directorate of Climate Change (DoCC) for implementation of GHG Emissions Intensity Benchmarks for the Emission Trading System (ETS) in Türkiye and development of reporting system and capacity building among relevant stakeholders.

2. BACKGROUND

Climate action in Türkiye

Türkiye ratified the Paris Agreement in October 2021, and in the same year announced a target to reach the net zero by 2053. After the ratification of the Paris Agreement, Türkiye's efforts have been focused on preparing plans and adopting policies to achieve these goals. Some of these efforts include establishing the DoCC which includes a carbon pricing department, submission of proposal for Climate Law to the Parliament, organization of the Climate Council in 2022 and updating the first Nationally Determined Contribution (NDC) in line with the 2053 net zero target.

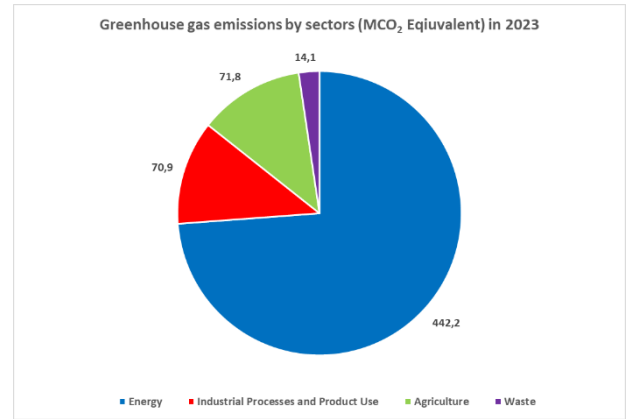


Figure-1: Greenhouse Gas Emission Shares by Sector, 2023

The following information is taken from Turkish Statistical Institution (TURKSTAT), reflected in Figure 1¹ defines the greenhouse gas inventory of Türkiye.

The greenhouse gas inventory results revealed that overall greenhouse gas (GHG) emissions as CO₂ equivalent (eq.) for the year 2023 compared to the previous year increased by 6,9% to 598,9 million tonnes (Mt).

In 2023, the energy sector had the largest share of total GHG emissions with 73,8%. The energy sector was followed by the agriculture sector with 12,0%, the industrial processes and product use sector with 11,8%, and waste sector with 2,3% (Figure-1). The energy sector emissions were calculated at 442,2 Mt CO₂ eq. in 2023, which increased by 208,8% compared to 1990 and also increased by 10,3% compared to previous year. Similarly, emissions from the industrial processes and product use sector were calculated at 70,9 Mt CO₂ eq. in 2023, which increased by 207,2% compared to 1990 and also decreased by 1,4% compared to previous year.

¹ Source: <https://data.tuik.gov.tr/Bulten/Index?p=Sera-Gazi-Emisyon-Istatistikleri-1990-2023-53974>

Agriculture sector emissions were calculated at 71,8 Mt CO₂ eq. in 2023, which increased by 38,4% compared to 1990 but increased by 0,3% compared to previous year. Waste sector emissions were calculated at 14.1 Mt CO₂ eq. in 2023, which increased by 36,4% compared to 1990 but decreased by 12,2% compared to previous year

87,4% of total CO₂ emissions originated from the energy sector including 31,4% of total CO₂ emissions originating from electricity and heat production which is a sub-category of the energy sector. The remaining 12,3% of CO₂ emissions originated from the industrial processes and product use sector and 0.3% from the agriculture and waste sectors in 2023.

DoCC has also determined 59 products/activities with their respective PRODCOMs that their respective output has to be verified by accredited GHG emission verifiers.

Climate policy

Türkiye aspires to integrate its climate change policies into development policies, disseminate energy efficiency, enhance the use of clean and renewable energy source, participate actively in the international negotiations on climate change within and in doing so, and become a country that provides its people with high living standards and welfare in low carbon world. Climate change-related issues are regulated through the articles of various laws, but the main climate policy documents are:

- National Climate Change Mitigation Strategy and Action Plan (2024–30),² covering key areas, including energy, buildings, industry, transport, waste, agriculture, land use and forestry, just transition and carbon pricing mechanisms
- National Climate Change Adaptation Strategy and Action Plan (2024–30)³
- 2053 Long Term Climate Strategy⁴
- Green Deal Action Plan (in Turkish)⁵

The 12th Development Plan of Türkiye (2024–2028) outlines the establishment of a national Emission Trading System (ETS), including the completion of necessary legislation and infrastructure. As part of this initiative, a comprehensive assessment of the economic and social impacts will be conducted. Key objectives related to carbon markets and climate policy include:

- Implementation of a National ETS: A regulatory framework will be introduced to cap emissions and enable trading of allowances, encouraging emission reductions.
- Economic and Social Impact Assessment: The effects of the ETS and carbon pricing mechanisms on businesses, employment, and the economy will be evaluated.
- Development of a National Offsetting Mechanism: Studies will be conducted to establish a system for carbon offsetting, allowing industries to compensate for their emissions through certified projects.

² https://iklim.gov.tr/db/turkce/icerikler/files/undp_azaltim_spread.pdf

³ <https://iklim.gov.tr/db/turkce/icerikler/files/%C4%B0klim%20De%C4%9Fi%C5%9Fikli%C4%9Fine%20Uyum%20Stratejisi%20ve%20Eylem%20Plan%202024-2030.pdf>

⁴ <https://iklim.gov.tr/db/turkce/icerikler/files/Türkiye-Long%20Term%20Climate%20Strategy.pdf>

⁵ <https://ticaret.gov.tr/data/60f1200013b876eb28421b23/MUTABAKAT%20YEŞİL.pdf>

- Analysis of Participation in International Carbon Markets: Türkiye will explore opportunities for integration into global carbon trading platforms, such as the EU Emissions Trading System (EU ETS) or voluntary carbon markets.

In the Medium-Term Program (2025-2027), one of the key climate policies is the establishment of an emission trading system in Türkiye, with the goal of completing the necessary legislative framework within this period.

Progress towards emissions trading

The development of an ETS as a Carbon Pricing Instrument (CPI), fits into Türkiye's climate and development strategies by reducing GHG emissions, according to the results of the Partnership for Market Readiness (PMR) Project, in a cost-effective manner, incentivizing modernization, and introducing innovative technologies. The first updated NDC of Türkiye also addresses ETS as a GHG mitigation measure. Likewise, in the National Climate Change Mitigation Strategy and Action Plan (2024-30) document, this issue is also included as an action under carbon pricing mechanism strategies as establishment of ETS in Türkiye.

In addition to these domestic drivers, Türkiye, as a candidate country to the EU, is targeting to develop ETS in the scope of harmonization of legislation and to mitigate the possible impacts of the EU's Carbon Border Adjustment Mechanism (CBAM). As such, Türkiye is seeking to establish a national ETS as a part of envisaged Climate Law. 12th Development Plan (2024-2028) and Medium-Term Program (2024-2026) also puts some targets and measures regarding ETS.

Türkiye has been conducting carbon pricing studies under the Partnership for Market Implementation (PMI)⁶ and its predecessor, the Partnership for Market Readiness (PMR), since 2013.

"By-law on Monitoring of Greenhouse Gas Emissions", which is the first published legal by-law on the MRV system in Türkiye and followed by "Communiqué on Monitoring and Reporting of GHG Emissions" and "Communiqué on Verification of Greenhouse Gas Emissions Reports and Accreditation of Verification Bodies". The By-law is considered in line with the EU ETS; excluding emissions trading, free allowance allocation, carbon capture and storage.

The By-law covers greenhouse gas emissions from key sectors in Türkiye, such as the combustion of fossil fuels, oil refining, iron and steel, ferrous and non-ferrous metal production, primary aluminum production, mining industry, pulp and paper production, chemical industry, and acid production. More than 800 facilities, accounting for approximately 50% of Türkiye's total GHG emissions, has submitted their monitoring plans and have been monitored since 2015⁷.

3. SCOPE OF WORK

The core part of work is implementation GHG Emissions Intensity Benchmarks for ETS and development of the reporting system for the Benchmarks in particular to electricity, cement, iron-steel, aluminum and fertilizers (i.e. EU CBAM sectors).

⁶ <https://pmiclimate.org>

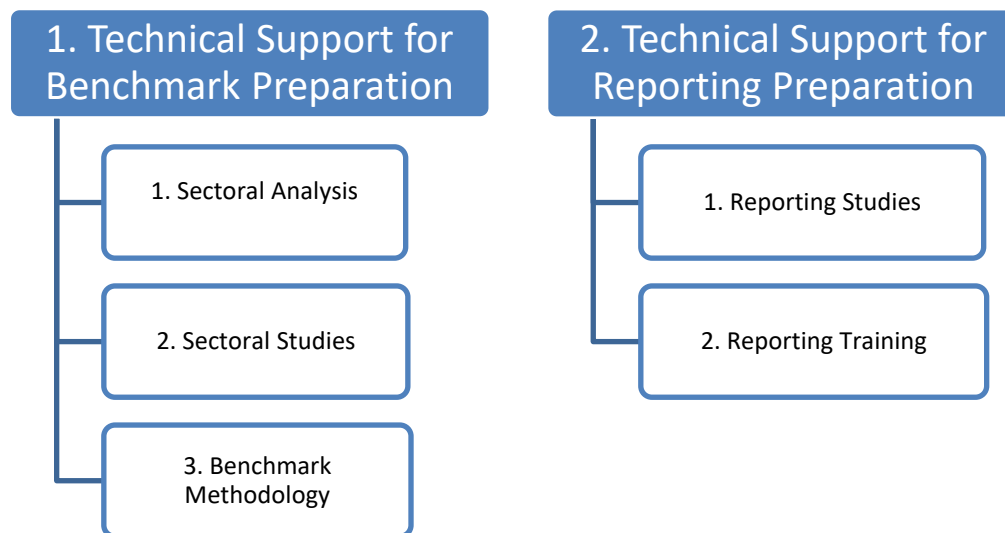
⁷ https://unfccc.int/sites/default/files/NDC/2023-04/T%C3%9CRK%C4%B0YE_UPDATED%201st%20NDC_EN.pdf

The activities under consideration are including but not limited to:

- Combustion of fuels in installations with a total rated thermal input exceeding 20 MW (except in installations for the incineration of hazardous or municipal waste) for electricity generation
- Production of coke
- Metal ore (including sulphide ore) roasting or sintering, including pelletisation
- Production of iron or steel (primary or secondary fusion) including continuous casting, with a capacity exceeding 2,5 tonnes per hour
- Production or processing of ferrous metals (including ferro-alloys) where combustion units with a total rated thermal input exceeding 20 MW are operated
- Production of primary aluminum
- Production of secondary aluminum where combustion units with a total rated thermal input exceeding 20 MW are operated
- Production or processing of non-ferrous metals, including production of alloys, refining, foundry casting, etc., where combustion units with a total rated thermal input (including fuels used as reducing agents) exceeding 20 MW are operated
- Production of cement clinker in rotary kilns with a production capacity exceeding 500 tonnes per day or in other furnaces with a production capacity exceeding 50 tonnes per day
- Production of nitric acid
- Production of ammonia

The activities will be confirmed by the DoCC after commencement of the implementation of tasks.

Scope of Work consists of 2 main components and their breakdowns are listed below:



1. Technical Support for Benchmark Preparation

The Technical Support for Benchmark Preparation will include following sub-components:

1.1 Sectoral Analysis

Under close coordination of DoCC, the Consultant will conduct on-line consultations meeting(s) with relevant installation operators, accredited GHG emission verifiers, and public institutions. The aims of these consultation meetings are to provide information about (i) the framework of technical support for benchmark preparation works, (ii) implementation plans for benchmarks in electricity, cement, iron and steel, aluminum and fertilizers sectors, and (iii) monitoring, reporting, and verification obligations of parties for implementation of benchmarks.

In order to assess current readiness level of installations regarding monitoring, reporting, and data management of GHG emissions and products/activities verification, the Consultant will prepare an electronic survey among installations. The installations shall be determined by DoCC.

Deliverable (1): Status Analysis Report

The Consultant will prepare a status analysis report based on consultation meeting and survey results. The status analysis report will mainly include following:

- Executive Summary
- Assessment of current readiness level of accredited GHG emission verifiers for verification of activity level data
- Assessment of current capabilities of installation for data collection and quality management
- Assessment of current readiness level of installations for monitoring and reporting capabilities for requirements of benchmark implementation and preparation of Monitoring Methodology Plans.
- Assessment of additional requirements for installations to regarding monitoring, reporting and measurement for activity level for benchmarking
- Summary on findings related to shortcomings of installations and accredited GHG emission verifiers and recommended improvements.
- Summary for consultation activities with stakeholders

1.2. Sectoral Studies

The Consultant will undertake 9 case studies on the implementation of benchmarks at 9 specific pilot installations in the electricity, cement, iron and steel, aluminum and fertilizer sectors. The case studies shall target to pilot installation, accredited GHG emission verifiers and DoCC experts. One site visit for each installation will be organized.

The aim of the case studies is to have practical hands-on experience for implementation of benchmarking monitoring and reporting tasks for installations and creating a mutual understanding and coordination between accredited GHG emission verifiers and installations on prior steps before verification requirements. This will ensure a smooth progress for all benchmark implementation required tasks.

The case studies shall include;

- Determination of sub-installations⁸ according to distinct activities carried out and their respective boundaries.
- Reconfiguration of source streams determined in approved GHG emissions monitoring plan.
- Output verification of products/activities
- Attribution of source emissions to relevant output products/activities
- Determination of sub-installations for product benchmarks
- Determination of sub-installations for fall-back benchmark
- Preparation of monitoring methodology plan for monitoring of activity levels and procedures, energy flows, emissions at installation/sub-installation level, cross boundary heat/waste gas flow, and direct-indirect emission substitution
- Preparation of activity level data report regarding data collection source streams and aggregated verified emissions, attribution of emission at installation/sub-installation level, energy balance at the installation, attributable emissions for benchmark updates and activities concerning co-generation of heat/electricity and waste gas consumption.
- Any other context to be proposed by the Consultant and agreed by the DoCC

The DoCC will determine the pilot installations from each sector and provide necessary coordination during the case studies. The pilot installations may be indicatively specified at the Request For Proposal (RFP) document, but they will be confirmed by the DoCC in the course of implementation. Each site visit is expected to take 3 working days. Some visits can be merged depending on availability of the programme and approval of the DoCC. The site visit team will include 4 participants from the DoCC and relevant sector expert of the Consultant.

The number of pilot installations for sectoral case studies for each determined sector are;

- Electricity sector: 2 pilot installations
- Cement sector: 2 pilot installations
- Iron-Steel sector: 2 pilot installations
- Aluminum sector: 2 pilot installations
- Fertilizer sector: 1 pilot installations

Deliverable (2): Sectoral Studies Training

The Consultant will organize a training event for sectoral case studies. A separate session shall be organized for each sector under consideration. This training event will target relevant installation operators, accredited GHG emission verifiers, and relevant public stakeholders. The goal of this training event is to describe methodology/steps performed during case studies, present outcome of conducted case studies, and hold discussions to have feedback for improvements.

The training event will be held in person with 50 participants and at least at a 4-star hotel in Antalya for 2 days. Parallel sessions are planned to be organized covering all sectors.

⁸ A sub-installation is system boundaries of a mass and energy balance, encompassing inputs, outputs and emissions for the purpose of ensuring that benchmarks and attributed emissions can be determined for a product or group of products, independent of which other products (including heat or electricity) are produced in the same installation

Deliverable (3): Sectoral Studies Training Activity Report

The Consultant will provide a report regarding activities performed during case studies and respective training sessions. The report shall have the following context;

- Executive Summary
- Outline of 9 selected case studies
- Brief outline of tasks performed during case studies regarding reporting-monitoring, and activities performed during trainings
- Reflections and feed-backs during case studies and the training.
- In case of data availability, estimated product benchmark values during case studies.

Deliverables (4): Sectoral Workshop

The Consultant will organize a workshop to present results of each sectorial studies and sectoral studies training activity.

The workshop will aim for a broader scope of industrial stakeholders and policy makers to facilitate discussions and getting feedbacks on works carried out during sectoral studies and training activities. The workshop event will be online.

The Consultant will prepare a brief activity report on workshops regarding discussions made and feedbacks provided. The report shall be prepared in English and Turkish.

1.3. Benchmark Methodology

The benchmark studies undertaken by DoCC has determined product benchmarks (encompassing electricity, cement, iron and steel, aluminum and fertilizers sectors) with PRODCOMs and description of activities included in these benchmarks and 2 fall-back benchmarks of measurable heat and fuel.

The Consultant will develop a benchmark methodology considering product benchmarks and fall-back benchmarks determined by the DoCC for determination of benchmark values. The methodology includes changes in current emission monitoring plans, determination of sub-installations based on product benchmarks and fall-back benchmarks,

Deliverable (5): Benchmark Methodology Report

The Consultant will prepare a methodology report for benchmark development and shall include the following:

- Executive Summary
- Monitoring Methodology for determination of sub-installations, reconfiguration of source streams, mass-energy balance establishment
- Monitoring Methodology for measurement/calculation of heat/fuel/waste gas/electricity flows, cross-boundary flows, and determination of direct-indirect emission substitution.
- Monitoring Methodology for measurement/ calculation of heat and electricity from co-generation facilities.

- Monitoring Methodology for output verification products/activities.
- Implementation gap analysis and recommendations for improvements.

2. Technical Support for Reporting Preparation

The Technical Support for Reporting Preparation Component will include following sub-components:

2.1. Reporting Studies

The Consultant will prepare electronic reporting templates required for the collection of information related to benchmarks. The templates will be completed by installations and submitted online to the DoCC and will be used for determining relevant benchmarks, methods and procedures data collection for benchmarks, determining number of free allowances distributed to installation with respect to benchmarks and monitoring product/activity level.

Monitoring Methodology Plan will be used for determination of sub-installations, establishment of benchmarks and determination of monitoring methods for product/activity levels, energy flows and emissions at installation and sub-installation level.

The Monitoring Methodology Plan will be prepared by the installation and approved by DoCC.

Based on the Monitoring Methodology Plan submitted and approved; the Annual Activity Level Report is aimed at determining annual activity levels (product and tCO₂e) of sub-installations, attribution of installation wide emissions and energy flows to sub-installations, and determining number of free allocations to be distributed.

The Annual Activity Level Report will be prepared by the installation, verified by accredited GHG emission verifiers, and received by the DoCC.

The Consultant will also review Monitoring Methodology Plans submitted by installations and provide advice/comments to DoCC to support its approval of plans.

In order to avoid duplication and to provide more streamlined approach, the Consultant will take into account existing GHG reporting systems in place and make use of synergies if possible. Approval of DoCC will be taken after finalization of templates.

Deliverable (6): Reporting Templates

The Consultant will prepare following reporting templates in electronic format and in Turkish;

- Monitoring Methodology Plan
- Annual Activity Level Report

Deliverable (7): Monitoring Methodology Plan Evaluation Guidance Document

- The Consultant will prepare a guidance document for the DoCC outlining key principles and steps of evaluation and approval of monitoring methodology plans.

- The guidance documents shall be prepared in Turkish.

Deliverable (8): Monitoring Methodology Plan Evaluation Training

The Consultant will organize a training event for DoCC Experts regarding evaluation and analysis of monitoring methodology plans submitted by the installations. The aim of this training is to review the prepared guidance document, describe key steps for monitoring methodology plan evaluation, and to provide international best practices. Discussions will be held to get feedbacks for improvement of guidance document. The training event will be held in person with 30 participants and at least in a 4 star hotel in Ankara for 2 days.

2.2. Reporting Training

The Consultant will prepare guidance documents for the completion of the reporting templates. These guidance documents should aim to support implementation of reporting requirements for relevant stakeholders including installations, accredited GHG emission verifiers, and public institutions.

The Consultant will implement a training program covering trainings for each reporting template developed. The goal of this training program is to describe reporting procedure for each template, to determine points of improvements for templates and guidance documents, and to guide installation operators, accredited GHG emission verifiers, and relevant public stakeholders regarding additional monitoring and reporting requirements.

Deliverable (9): Guidance Documents for completion of Monitoring Methodology Plan

Guidance document for preparation of Monitoring Methodology Plan shall mainly include following context;

- Principles for determination of sub-installations and establishment of benchmarks
- Principles for description of installation including sub-installations, measurement points and external technical connections.
- Principles for monitoring at installation level and sub-installation level
- Principles for setting up energy-material flows, energy-material balance and output verification of 'products' and 'activities'
- Principles for developing procedures for evaluation and quality check

Targeted audience for this guidance document are installation operators and accredited GHG emission verifiers.

Guidance document for preparation of Annual Activity Level Report shall include following context;

- Principles for description of installation including list of sub-installations, technical connections.
- Principles for preparing annual verified emission data for source streams and emission sources at installation and sub-installation level
- Principles for attributing emissions to sub-installations
- Principles for determining assigning fuels and emissions co-generation and usage of waste gas

- Principles for setting up installation wide heat, energy, waste gas and electricity balance at installation and sub-installation level
- Principles for determination of annual activity levels in baseline period for benchmarks
- Principles for preparation of relevant data for benchmark updates

Targeted audience for this guidance document are installation operators and accredited GHG emission verifiers.

The guidance documents will be prepared in English and Turkish.

Deliverable (10): Reporting Training

The training events will be held in person with 50 participants and at least in a 4 star hotel in İzmit for 2 days. The targeted audience of the training is installation operators, accredited GHG emission verifiers, DoCC experts and other relevant public institutions.

4. Final Report (Deliverable 11)

The Consultant will deliver a narrative final report that provides information on the deliverables and stakeholder engagement process throughout project implementation period; showing that all requested items under this contract are completed.

5. APPROACH

The Consultant shall execute the contract with due care, efficiency and diligence in accordance with the best professional practice.

The Consultant will need to understand the specific local context of the relevant economic activities. This will involve substantial consultation with relevant companies, including site visits to selected pilot installations, and detailed review of available (public and in-confidence) data about production and trade related to the relevant industries.

Given the commercial sensitivity of the data the Consultant may have access to, the Consultant is to sign necessary confidentiality agreements with the DoCC and pilot MRV installations. The Consultant shall always take into account no conflict of interest with MRV installations.

The Consultant will examine (accordingly update if necessary) the PRODCOM list prepared by DoCC experts regarding verification of product outputs. Throughout the contract period, the Consultant will duly address questions received by DoCC and provide assistance within scope of the contract.

The Consultant must ensure that its professional staff has adequate support and equipment. All costs for equipment and administrative and logistic support must be covered by the Consultant including (but not limited to):

- All costs arising from the activities of its staff for the kick-off meeting and during the contract period, including accommodation, allowances, transportation, insurance, etc.

- All costs arising from organization of workshop and training activities including the materials to be used. The Consultant will cover venue costs, and accommodation for participants (DoCC experts, participants from installations and accredited verifiers, Consultant's own personnel).
Regarding transportation costs, the Consultant will only cover DoCC expert's costs (outside Ankara) and participants from installation and accredited verifiers will cover their own transportation costs.
- All costs arising from performance of site visits including automotive, office supplies, hardware/software, accommodation, transportation, and venue, except:
 - o Depending on merged site visit activities and DoCC's approval, the Consultant will only cover accommodation and transportation costs of DoCC experts (outside Ankara).
 - o Participants from installation and accredited verifiers will cover all of their own costs.
- All communication costs, including fax, email, telephone for consultant staff
- All the services and logistical support of the Consultant required for the implementation of the contract
- All expatriate staff who will work in Türkiye should obtain a work permit and all who are resident for more than 90 days should obtain a non-resident visa. The consultant will obtain all required permits, visas for all expatriate staff at its own cost. Furthermore, the Consultant will be responsible to ensure that all proposed personnel are eligible to obtain such permits and visas. The information related to visas can be obtained from the embassies and consulates of Türkiye. The Client will assist the Consultant for the issue of work permits.

Accredited GHG emission verifiers will cover their own expenses during the site visits at sectoral studies section.

4.1 The Kick-off Meeting

The project will commence (effectiveness of the contract) with a kick-off meeting in Ankara at the premises of the DoCC. Before the kick-off meeting, the Consultant shall provide an updated description of its team composition, methodology and a detailed work plan, which will be discussed and agreed in this meeting. The timing of the kick-off meeting will be determined by DoCC.

4.2 Project Focal Point

The Consultant will appoint a project focal point for this contract and he/she will be responsible for general implementation of the contract, organization of monthly progress and ad-hoc meetings with the DoCC and World Bank to monitor the progress, action items and make decisions.

4.3. Trainings

The Consultant will organize 3 trainings events; 1 under sectorial studies, 1 under reporting studies, and 1 under reporting training.

4.4. Stakeholder Workshops

The Consultant will organize 1 workshop event under sectorial studies.

4.5 Reporting Requirements

The Consultant will prepare all reporting works in Turkish and English, .

The Consultant will prepare 1 OCR compatible soft copy for each draft report. The final reports will be prepared as 1 hardcopy and 1 OCR compatible soft copy.

TEAM COMPOSITION & QUALIFICATION REQUIREMENTS FOR THE KEY EXPERTS

The attention of interested Consultants is drawn to Section III, paragraphs 3.14, 3.16, and 3.17 of the World Bank's 'Procurement Regulations for IPF Borrowers' November 2020, as amended, setting forth the World Bank's policy on conflict of interest.

Consultants may associate with other firms to enhance their qualifications, but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

A. TEAM COMPOSITION

The Consultant shall name a key expert and the core team members for the specified roles within the Project Team and provide full curricula vitae and any other information considered relevant by the Consultant.

To assure the required services, in addition to input from the Key Experts, Non-Key experts will be provided. All key staff and support staff shall be mobilized immediately after effectiveness of the contract.

The CVs of the NKEs will not be evaluated or scored in the procurement stage. They will be taken into consideration as a part of team composition.

B. KEY EXPERT

The minimum selection criteria of the key expert are listed below.

Key Expert 1: Senior Benchmark Expert - Energy

- Minimum 10 years of professional experience,
- University degree in the relevant field,
- Fluency in oral and written English language.
- At least 3 years of professional experience in GHG Emissions Intensity Benchmarks in energy sector.
- Experience in the EU Emission Trading System Free Allocation related regulations or reporting would be an asset;

- Experience in Monitoring, Reporting and Verification System of ETSs would be an asset
- Experience in projects with IFIs is desirable;
- Experience in project management would be an asset;

Key Expert 2: Senior Benchmark Expert - Industry

- Minimum 10 years of professional experience,
- University degree in the relevant field,
- Fluency in oral and written English language.
- At least 3 years of professional experience in GHG Emissions Intensity Benchmarks in industry sector and/or sectors (cement, iron-steel, aluminum and fertilizers)
- Experience in the EU Emission Trading System Free Allocation related regulations or reporting would be an asset;
- Experience in Monitoring, Reporting and Verification System of ETSs would be an asset
- Experience in projects with IFIs is desirable;
- Experience in project management would be an asset;

C. NON-KEY EXPERTS

The following general qualifications and skills are required for NKEs:

- University degree in the relevant field.
- Good command of written and spoken English,
- Minimum 5 years of professional experience,

The Consultant will employ two (2) Industry Experts as non-key experts in the course of implementation. The CV of these experts will submit to the DoCC for approval within 7 days after commencement of the implementation of services.

The Energy and Industry experts should have below requirements.

- Minimum 5 years of professional experience
- Experience in free allocation rules and GHG emission intensity benchmarks
- Experience in relevant sectors related to production and process

The Consultant must select the Industry Experts according to proven sectoral expertise for aforementioned industrial sectors for carrying out the activities required according to this Terms of Reference document. One Industry Expert can work in more than one industrial sector. The

implementation of the activities under this contract may require the mobilization of higher number of experts. The experts should be considered in order to integrate the mentioned subjects through the studies under the activities. In terms of professional and technical competence, the areas of expertise, which will be needed from the pool of experts, should at least include the following:

- Experience in preparation and delivery of training programme, facilitation of workshop, seminar or similar activities
- Experience in GHG calculation, monitoring and reporting,

6. MILESTONES

Table 1. Time Schedule for Deliverables

The time schedule will be discussed and finalized with the consultant following the kick-off meeting.

Deliverables	Time Schedule*
1. Status Analysis Report	1 st Month
2. Sectoral Studies Trainings	4 th Month
3. Sectoral Studies Training Activity Report	4 th Month
4. Sectoral Workshop	5 th Month
5. Benchmark Methodology Report	6 th Month
6. Reporting Templates	8 th Month
7. Monitoring Methodology Plan Evaluation Guidance Document	9 th Month
8. Monitoring Methodology Plan Evaluation Training	9 th Month
9. Reporting Guidance Documents	11 th Month
10. Reporting Trainings	11 th Month
11. Final Report	12 th Month

*after commencement of the service