

## Monitoring & Evaluation (M&E) Plan and Impact Statement Form

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### Objective of the M&E Plan and Impact Statement:

- The M&E Plan and Impact Statement must be designed based on the Technical Assistance Response Plan and must enable the Implementer to complete the Closure Report at the end of the assistance.

### Process for filling in the form:

- The Implementer must identify relevant quantitative and qualitative indicators as specified in the Closure Report. A sub-set of indicators to monitor and assess must be chosen among these.
  - The Implementer may also identify other specific, measurable, achievable, relevant, and time-bound indicators suitable to monitor Activities, Outputs and anticipated Outcomes from the technical assistance and add to the M&E Plan and Impact Statement.
  - During implementation of the TA or FTA, the Implementer must collect all relevant data as described in the Monitoring & Evaluation Plan. Aggregated data on selected indicators as well as an updated version of the Impact Statement will be presented in the Closure Report at the end of the assistance.
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Basic Information	
Title of response plan	<b>Technology needs assessment and associated action plan for climate change mitigation and adaptation in Iraq's most vulnerable sectors</b>
Technical assistance reference number	<b>2018000031</b>
Country/ countries	<b>Iraq</b>
NDE focal point and organisation	<b>Climate Change Centre, Ministry of Environment Susan Sami Al-Banaa</b>
Sector(s) addressed	<b>Energy, Industry, Water and Agriculture (to be confirmed)</b>
Technologies supported	<b>To be confirmed</b>
Implementation period and total duration	<b>September 2020 – March 2022, 18 months</b>
Total budget for implementation	<b>USD 312,195, of which USD 70,113 is conditional to additional funding becoming available to UNIDO and satisfactory performance</b>

Designer of the response plan	<b>United Nations Industrial Development Organization</b>
Implementer of response plan	<b>Consortium of partners led by Carbon Limits</b>

(A) Outputs and Activities as described in the Response Plan	(B) Indicator	(C) Expected results	(D) Method and frequency for data collection	(F) Comments
Output 1: Add title from the Response Plan (e.g. CTCN planning and monitoring documents)	<i>Select relevant indicators from the Closure Report (at least one core indicator, section B). You may also define additional relevant indicators to be added.</i>	<i>Add the expected quantitative or qualitative target/value of the indicator (e.g. number of studies, policy recommendations , etc.).</i>	<i>Describe the expected method and frequency for data collection (e.g. survey, head count at a training workshop, application of a standard methodology etc.)</i>	<i>Describe any assumptions made or anticipated challenges for collecting quantitative and qualitative data</i>
<b>Outcome 1: Institutional capacity and coordination mechanisms in place to govern and coordinate climate action and finance</b>				
Activity 1 Institutionalization of a coordination mechanism for the implementation of the TNA	Total number of events organized by proponents and implementing partners	9	<i>Count of number of events carried out (quarterly)</i>	Including training workshops (separate indicator): - 1 stakeholder consultation workshop - 6 TNA Committee meetings - 2 TNA training sessions
	Number of participants in events organized by proponents and implementing partners: a) Men b) Women	90 a) 45 b) 45	<i>Head count at the events (at every event)</i>	Total sum of all participants (i.e. the same participant is counted separately for each event)  Including training workshops (separate indicator)
	Number of training organized by proponents and implementing partners	2	<i>Count of number of training workshops delivered (quarterly)</i>	2 TNA training sessions for the TNA Committee
	Number of participants in	20 a) 10	<i>Head count at the training workshops (at</i>	Total sum of all participants (i.e. the

	trainings organized by proponents and implementing partners a) Men b) Women	b) 10	<i>every workshop)</i>	same participant is counted separately for each event)
	Percentage of participants reporting satisfaction with training a) Men b) Women	60%		Feedback form will be developed (scale from 1 to 5) Satisfied= 4+ on 5-pt scale
	Percentage of participants reporting increased knowledge, capacity and/or understanding as a result of training a) Men b) Women	60%		Feedback form will be developed (scale from 1 to 5) Increased knowledge, capacity and/or understanding= 4+ on 5-pt scale
	Total number of deliverables produced during the assistance a) Number of communication materials, including news releases, newsletters, articles, presentations, social media postings, etc. b) Number of tools and technical documents c) Number of other information materials (For example training and workshop reports)	14 a) 6 (after each TNA Committee meeting) b) 0 c) 8 (6 meeting reports and 1 stakeholder analysis report and 1 report on training)	<i>Count the number of publications (quarterly)</i>	Excluding mission, Progress and internal reports
<b>Outcome 2: Country Programming process</b>				
Activity 2. Prioritization of technologies and relevant action for	Total number of events organized by proponents and implementing	5	<i>Count of number of events carried out (quarterly)</i>	- 4 TNA validation workshops (one per sector) - 1 TAP validation

increased access to finance	partners			workshop
	Number of participants in events organized by proponents and implementing partners: a) Men b) Women	30 a) 15 b) 15	<i>Head count at the events (at every event)</i>	Total sum of all participants (i.e. the same participant is counted separately for each event)
	Total number of deliverables produced during the assistance a) Number of communication materials, including news releases, newsletters, articles, presentations, social media postings, etc. b) Number of tools and technical documents c) Number of other information materials (For example training and workshop reports)	9 a) 2 b) 2 TNAs (adaptation and mitigation) and 1 TAP c) 5 meeting reports	<i>Count the number of publications (quarterly)</i>	Excluding mission, Progress and internal reports
	Total number of policies, strategies, plans, laws, agreements or regulations supported by the assistance a) Adaptation related b) Mitigation related c) Both	5 a) 1 (National Adaptation Plan) b) 1 (NAMA Roadmap) c) 3 (NDC, GCF Country Programme, 2 <sup>nd</sup> National Communication)		
	Anticipated number of climate technologies deployed as a result of support	8		2 technologies in each of 4 sectors (energy, industry, water and agriculture)
	Anticipated metric	Quantitative	<i>The difference</i>	A quantitative

	tons of CO2 equivalent (CO2e) emissions reduced or avoided on annual basis as a result of CTCN Technical assistance	value (on annual basis and in total)  GHG assessment boundary (project emissions)  Baseline emissions  Methodology description  Assumptions made	<i>between project emissions and baseline emissions (in the absence of project) will be calculated in two key mitigation sectors that will be analysed (energy and industry). For baseline emissions, existing assessments of GHG emissions will be used (e.g. 1<sup>st</sup> or 2<sup>nd</sup> National Communication of Iraq to UNFCCC)</i>  <i>Project emissions will be estimated for selected technologies during development of TAPs.</i>	estimation will be provided later in the project, as soon as the concrete projects are identified
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**Outcome 3: Climate finance strategies strengthened, private sector mobilized and project pipeline enhanced**

Activity 3. Reviving the SME atmosphere and enabling environment through innovative new business identification training programme	Total number of events organized by proponents and implementing partners	2	<i>Count of number of events carried out (quarterly)</i>	Including training workshops (separate indicator): - 2 training workshops for private sector
	Number of participants in events organized by proponents and implementing partners: a) Men b) Women	30 a) 15 b) 15	<i>Head count at the events (at every event)</i>	Total sum of all participants (i.e. the same participant is counted separately for each event)  Including training workshops (separate indicator)
	Number of training organized by proponents and implementing partners	2	<i>Count of number of training workshops delivered (quarterly)</i>	2 training workshops for private sector
	Number of	30	<i>Head count at the</i>	Total sum of all

	participants in trainings organized by proponents and implementing partners a) Men b) Women	a) 15 b) 15	<i>training workshops (at every workshop)</i>	participants (i.e. the same participant is counted separately for each event)
	Percentage of participants reporting satisfaction with training c) Men d) Women	60%		Feedback form will be developed (scale from 1 to 5) Satisfied= 4+ on 5-pt scale
	Percentage of participants reporting increased knowledge, capacity and/or understanding as a result of training c) Men d) Women	60%		Feedback form will be developed (scale from 1 to 5) Increased knowledge, capacity and/or understanding= 4+ on 5-pt scale
	Total number of deliverables produced during the assistance a) Number of communication materials, including news releases, newsletters, articles, presentations, social media postings, etc. b) Number of tools and technical documents c) Number of other information materials (For example training and workshop reports)	9 a) 1 b) 0 c) 2 meeting reports	<i>Count the number of publications (quarterly)</i>	Excluding mission, Progress and internal reports

*Note: The Response Plan may contain information useful for the section below. The information in the table below will be used by the CTCN for public communication of the achieved and expected results of the Technical Assistance through the CTCN website [www.ctc-n.org](http://www.ctc-n.org) and other*

communication channels. See for example: [https://www.ctc-n.org/sites/www.ctc-n.org/files/benin\\_a\\_ag\\_forestry.final\\_.pdf](https://www.ctc-n.org/sites/www.ctc-n.org/files/benin_a_ag_forestry.final_.pdf)

<b>Impact Statement</b>	
Challenge	<i>The Republic of Iraq is one of the most vulnerable Middle Eastern countries. National political strategies reflect a context of widespread desertification vulnerability, poor access to energy, and negative economic impacts. Iraq’s development policy has identified “environmental sustainability” as one of the key objectives, supported by a climate mitigation and adaptation plan outlined in the country’s Intended Nationally Determined Contribution.</i>
CTCN assistance	<ul style="list-style-type: none"> <li>• <i>Conduct a technology prioritization process in key sectors (energy, industry, water and agriculture) that is aligned with country’s NDC and other strategies</i></li> <li>• <i>Perform cost-benefit technical assessment for selected technologies and identify barrier for implementation</i></li> <li>• <i>Develop associated technology action plans for selected technologies</i></li> <li>• <i>Provide capacity building activities for relevant stakeholders on climate change mitigation and adaptation technologies</i></li> </ul>
Anticipated impact	<p><i>This technical assistance will enable Iraq to:</i></p> <ul style="list-style-type: none"> <li>• <i>develop comprehensive Technology Needs Assessments and action plans</i></li> <li>• <i>improve its climate resilience through implementation of national climate targets using most appropriate technologies</i></li> <li>• <i>achieve emission reductions in two key mitigation sectors: energy and industry</i></li> <li>• <i>strengthen its pipeline of projects for environmental finance</i></li> </ul>
Anticipated co-benefits from the TA	<ul style="list-style-type: none"> <li>• <i>Development of a pipeline of projects to target the international climate and carbon finance opportunities that help accelerate project implementation;</i></li> <li>• <i>Institutional strengthening that will enable effective coordination of action and will reflect a country-driven, participatory approach from the relevant ministries and agencies;</i></li> <li>• <i>Training and information exchange will help building national capacity related to climate change in general, and development / application of climate technologies among regulators, policy makers and private sector and general public;</i></li> <li>• <i>Promoting gender equality through gender mainstreaming of planned activities.</i></li> </ul>
Gender aspects of the TA	<i>Gender mainstreaming is at the core of the technical assistance. Gender aspects will be also taken into account through equal representation of women and men as well as through participation of gender focal points and associations that promote gender equality and the empowerment of women in Iraq. A designated project member from the local team is appointed to oversee these activities.</i>
Anticipated contribution to NDC	<p><i>This assistance supports Iraq in:</i></p> <ul style="list-style-type: none"> <li>• <i>Categorization and prioritization of technologies that will enable NDC implementation and reaching national targets</i></li> <li>• <i>Developing a pipeline of projects ready for implementation using national or international environmental funding</i></li> <li>• <i>Quantification of mitigation impacts achievable through implementation</i></li> </ul>

	<i>of measures in Energy and Industry sectors</i>
The narrative story	<p><i>Iraq is one of the most vulnerable Middle Eastern countries and is experiencing challenges resulting from rising temperature and declining precipitation. Agriculture, water and even energy sectors are highly impacted by the changing climate. In 2015, the Government of Iraq has formulated an economy-wide plan to cut GHG emission by around 14% between 2020 by 2035, conditional to receiving international technical and financial support, as part of its Intended Nationally Determined contribution. The INDC also envisages important adaptation measures. However, implementation of these plans is hindered by significant economic challenges resulting from years of conflicts and collapse in the international oil market in 2015.</i></p> <p><i>The CTCN Technical Assistance will support national stakeholders in prioritizing key technologies in four key sectors: energy, industry, water and agriculture. On this basis, technology action plans will be developed to identify specific actions to be undertaken to meet the Iraq's climate objectives. Through this work, Iraq's pipeline of projects will be strengthened, facilitating application for national support and international climate funding. The TA will consider existing implementation barriers and suggest ways of lifting those.</i></p>
Contribution to SDGs	<p><i>STG 5: Gender Equality</i>  <i>The TA will contribute to gender equality in Iraq through involvement of women in the process of prioritization of technologies for climate change adaptation and mitigation. During stakeholder analysis and engagement, the special focus will be on providing equal platform for both women and men to express their views and share experiences.</i></p> <p><i>STG 7: Affordable and Clean Energy</i>  <i>Through identification of key technologies for mitigation in the energy sector of Iraq, the technical assistance will aim to promote solutions that will ensure sustainable development of the country's energy sector, providing citizens with reliable and affordable energy while limiting its carbon footprint.</i></p> <p><i>STG 13: Climate Action</i>  <i>Technical assistance will directly support implementation of country's NDC through identification and prioritization of concrete activities within mitigation and adaptation. It will enable Iraq to implement its climate targets while utilizing existing know-how and attracting climate financing, as needed.</i></p>
Reference to knowledge products	<ol style="list-style-type: none"> <li><i>1) TEC Brief 4: Technologies for Adaptation in the Agriculture Sector</i></li> <li><i>2) TEC Brief 5: Technologies for Adaptation in the Water Sector</i></li> <li><i>3) TEC Brief 13: Enhancing implementation of the results of technology needs assessments</i></li> <li><i>4) Innovative approaches to accelerating and scaling up climate technology implementation for mitigation and adaptation</i></li> <li><i>5) Enhancing Implementation of Technology Needs Assessments: Guidance for Preparing a Technology Action Plan</i></li> <li><i>6) Good Practices of Technology Needs Assessments</i></li> </ol>