

AMENDMENT NO:1

TO THE CONTRACT FOR

“Enhancing the Capacity of Turkey to Adapt to Climate Change Joint Programme”

AMONG

EMBASSY OF SPAIN

AND

UNITED NATIONS DEVELOPMENT PROGRAMME

AND

MINISTRY OF FOREIGN AFFAIRS, TURKEY

AND

MINISTRY OF ENVIRONMENT AND FORESTRY, TURKEY

AND

UNITED NATIONS ENVIRONMENT PROGRAMME

AND

UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

AND

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Reference is made to the Contract dated 03 April 2008 signed among the above stated institutions (REFERRED TO AS CONTRACTORS) with respect to the implementation of “Enhancing the Capacity of Turkey to Adapt to Climate Change” Joint Programme.

Due to the calculation and typing mistakes regarding the budget allocations, the Contract is hereby amended to reflect the following changes:

Change #1

I. Cover Page

Country: Turkey

UNDAF Outcome 1: By 2010, strengthen individual and institutional capacity for both democratic and environmental governance at local and central levels.

Outcome 1.1. Increased individual collective and institutional capacity for participation at all levels of decision making.

Outcome 1.2. Mechanisms for the implementation and monitoring of international norms and standards on human rights strengthened.

Outcome 1.3. Strengthened management and protection of ecosystems for sustainable development.

Joint Programme Outcomes:

- 1) Climate change adaptation mainstreamed in Turkey's national plans.
- 2) Institutional capacity developed for managing disasters induced by climate change.
- 3) Capacity for community-based adaptation in the Seyhan River Basin developed.
- 4) Climate change adaptation mainstreamed into the UN programming framework in Turkey.

<p>Prog/project Title: Enhancing the Capacity of Turkey to Adapt to Climate Change</p> <p>Programme/project duration: January 2008 to December 2010</p> <p>Fund Management Option: Pass-through</p> <p>Managing or Administrative Agent: UNDP</p>	<p>Total estimated prog/project budget: USD 7,000,000</p> <p>Out of which:</p> <p>1. Planned resources:</p> <ul style="list-style-type: none"> • Government _____ • Regular/Other Resources _____ • NGO or private _____ • UNDP 4,882,186 • UNEP 587,100 • UNIDO 684,800 • UNCT 117,700 • FAO 663,400 • AAF (Administering Agent Fee) 64,814 <p>2. Unfunded budget: _____</p>
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is amended to read as

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Change #2:

5. Results Framework

The core objective of the Joint Programme is to develop capacity for managing climate change risks to rural and coastal development in Turkey. The proposed program will apply a three-pronged approach to achieving fully fledged mainstreaming of climate change adaptation: (i) mainstreaming into the national development framework; (ii) mainstreaming through local pilot action; and (iii) mainstreaming into the UN country programmatic framework. As a cross-cutting methodological approach, adaptive capacity development will be applied at all levels (systemic, institutional and individual), to build on existing systems of knowledge, policy and institutional framework for long term sustainability.

In pursuant of the core objective, the Joint Programme will achieve the following outcomes:

Outcome 1. Climate change adaptation mainstreamed into Turkey's plans. (FAO/UNDP/UNIDO/UNEP/MOEF/MARA/SPO/MIT/UNIVERSITIES)

A National Climate Change Adaptation Strategy will be developed to address key requirements for climate change adaptation. Legislative and policy changes will be proposed to mainstream climate change risks into development and regional planning. Capacity will also be built for research and knowledge on adaptation to climate change in Turkish institutions.

Outcome 2. Institutional capacity developed for managing climate-risks, including disasters. (FAO/UNDP/UNIDO/UNEP/MOEF/MARA/SPO/MIT/UNIVERSITIES)

The capacity of national and regional institutions to respond to climate change risks in Turkey will be enhanced. In particular, capacity will be developed in the Turkish Government to ensure that appropriate climatic data is systematically collected and disseminated to relevant end-users via early warning systems. This will also include public health concerning water – borne diseases.

Outcome 3. Capacity for community-based adaptation in the Seyhan River Basin developed. (FAO/UNDP/UNIDO/UNEP/MOEF/MARA/SPO/MIT/UNIVERSITIES)

Present initiatives in the Seyhan River Basin to increase the resilience of communities to climate change will be further developed. The approach will be multi-faceted and will aim to maintain agricultural productivity, ecosystem goods and services, and the natural resource base in the context of a warming and drying climate. It will also focus on improving preparedness for an increase in the frequency of droughts and floods. Public private partnerships will be a key component of this outcome. Also activities to enhancing public awareness will be performed.

Outcome 4. Climate change adaptation mainstreamed into UN programming framework in Turkey. (UNCT and UNEP)

The UNDAF framework will be revised and used for mainstreaming climate change adaptation within MDG-based UN programming in Turkey. The focus will be on areas where the UN has a comparative advantage and can develop long-lasting in-country capacities at individual, institutional and societal levels. Adaptation to climate change will be integrated into all multi-agency projects targeted at achieving the MDGs.

Annex B provides further details on: i) strategies addressing the key causes of the problems which have been identified; ii) partners involved in each phase; iii) the intended manner in which the project should unfold; iv) the division of labor between the partners. Annex D provides details on the institutional framework; capacities and expertise of partners in the Joint Programme.

Joint Programme partners will jointly conduct planning and review meetings (at least semi-annually) for all activities covered in the results framework and monitoring and evaluation plan. The meetings will include an assessment of the risks and assumptions to determine whether they are still holding. A new work plan and budget will be produced with the necessary adjustments made based on the lessons learned from the review of the risks and assumptions and the implementation progress achieved. The

new work plan will be approved in writing by the Programme Management Committee (PMC). Substantive changes in the Joint Programme scope will require revision of the Joint Programme Document. The amendments will need to be signed by all parties.

UNDAF Outcome: By 2010, strengthen individual and institutional capacity for both democratic and environmental governance at local and central levels, Outcome 1.3							
Strengthen management and protection of ecosystems for sustainable development (UNDP, UNIDO, FAD)							
Expected Results (Outputs)	SMART Outputs	Implementing Partner	Indicative activities for each Output	Resource allocation and indicative time frame			
				Y1	Y2	Y3	
JP Outcome 1. Climate change adaptation mainstreamed in Turkey's development plans.							
Output 1.1. A plan for education, training and public awareness on adaptation to climate change (UNFCCC Article 6) to support the objectives of the Joint Programme developed and implemented.	List of relevant target groups elaborated (e.g. the general public, media, industry, private sector, policy makers, women and vulnerable groups); Needs of target groups and means of training identified (e.g. tools such as workshops, seminars, information packages, handbooks for decision-makers).	MOEF	Activity 1.1.1. Assess the training needs and develop a plan for meeting them (UNEP).	50,000	0	0	
	The training plan implemented and follow up undertaken.	MOEF	Activity 1.1.2. Implement the plan (UNEP).	100,000	50,000	15,000	
Output 1.2. Long term knowledge in Turkish institutions developed. This serves both to develop capacity in country, and to increase Turkey's profile in international climate change collaboration, including IPCC.	Extra curricular activities for school children in primary and secondary schools in the Seyhan River Basin for awareness raising provided. These activities would include small projects with a budget to be implemented by the school children.	MOEF	Activity 1.2.1. Facilitate student training at school and university levels (UNDP).	27,700	83,300	24,200	
	Undergraduate short courses in climate change disaster events developed; Post-graduate studies in management of climate change risks initiated through provision of bursaries; Networking between Turkish and foreign climate change researchers that are actively involved in international scientific programmes (e.g. CLIVAR) promoted; Capacity of Turkish delegates to the climate change COP/MOP's to promote coherence between national and international policies developed; Assessment of Turkey's requirements for adoption to climate change with respect to EU accession undertaken.	MOEF	Activity 1.2.2. Build capacity for research and knowledge on adaptation to climate change in Turkish institutions (UNEP).	65,000	20,000	0	
Output 1.3. National adaptation to climate change strategy developed and submitted to the Government of Turkey for consideration. This will serve as a basis for altering existing policies and legislative framework.	Literature on vulnerability and impact of climate change in selected sectors and regions reviewed and synthesized.	MOEF	Activity 1.3.1. Review and synthesize existing literature on vulnerability and impact of climate change in relevant sectors and regions (UNEP).	10,000	0	0	
	Vulnerability assessment conducted in selected regions with the Adaptation Policy Frameworks for climate change guidelines.	MOEF	Activity 1.3.2. Undertake participatory vulnerability assessment with key stakeholders in relevant regions (including the Seyhan River Basin) and sectors. The Adaptation Policy Frameworks for climate change guidelines will be used (UNEP).	20,000	0	0	
	Information; Interpretation and prioritization of needs collected; Strategy designed.	MOEF	Activity 1.3.3. Prepare Strategy with government and support from FAO, UNDP and UNIDO (UNEP).	10,000	0	0	
	Institutional information workshops conducted on the strategy.	MOEF	Activity 1.3.4. Disseminate strategy proposal to appropriate stakeholders for feedback (UNEP).	5,000	0	0	
	Strategy revised and adopted based on feedback from the relevant stakeholders.	MOEF	Activity 1.3.5. Revise the strategy based on feedback (UNEP).	4,000	0	0	
	Official signature obtained by all stakeholders; Strategy submitted to the Government.	MOEF	Activity 1.3.6. Submit to the Government of Turkey for consideration (UNEP).	3,000	0	0	
Output 1.4. Amends to policy and appropriate policy tools will be developed and proposed for reducing vulnerability to climate change through the government's development activities and private sector. A package of policies, legislative, regulatory and other policy instruments is produced and agreed to be submitted to the Government of Turkey for consideration to address climate change risks foreseen in the climate change models/scenarios to be developed during the programme implementation.	Relevant national policies and regulatory frameworks as entry points for reform identified and reviewed; Institutional mapping undertaken; Draft amendments prepared and capacity needs identified; Regional adaptation strategy for the Seyhan River Basin developed; Stakeholders consulted; Human resources training needs developed to facilitate the implementation of amended relevant laws and regulations; Action plan programme for the appropriate capacity building and awareness raising with regard to the amended policies and legislation elaborated. Effectiveness of the existing monitoring and evaluation mechanisms analysed and reviewed. Recommendations on adjustments of monitoring and evaluation mechanisms to incorporate climate change adaptation into national, regional and local level structures developed.	MOEF	Activity 1.4.1. Undertake a legal and institutional review i.e. assess the Turkish legal and policy frameworks to identify the key entry points for adaptation mainstreaming (with a particular focus on the four themes (water, disaster management, coastal management, natural resource management) and cross cutting tools such as EIA) (UNEP).	70,000	0	0	
	Proposals negotiated, agreed upon and submitted.	MOEF	Activity 1.4.2. Submit proposals developed in Activity 1.4.1 for integrating climate change adaptation into the national legal framework to relevant stakeholders (UNEP).	70,000	0	0	
	Staff responsible for climate change adaptation in agriculture trained.	MOEF	Activity 1.4.3. Undertake targeted capacity building for those responsible for implementing changes as they relate to agriculture (with particular focus on women's groups) (FAO).	7,500	7,500	15,000	
	Staff responsible for climate change adaptation in industry trained.	MOEF	Activity 1.4.4. Undertake targeted capacity building for those responsible for implementing changes as they relate to industry (UNIDO).	7,500	8,800	3,700	
Output 1.5. Industrial practices amended to reduce vulnerability to climate change.	Geographical area/s selected; Baseline of water section analysis; Appropriate industrial processes to be altered identified; Appropriate technological changes identified.	MIT	Activity 1.5.1. Prepare a business plan for an eco-efficiency centre, which focuses on adaptation of industry to climate change risks, especially reduction of water consumption (UNIDO).	34,000	0	0	
	The eco-efficiency center established.	MIT	Activity 1.5.2. The eco-efficiency centre, with 6 demonstration sites to reduce water consumption, established (UNIDO).	119,000	200,000	0	
	Report prepared on lessons learnt with a cost-benefit analysis of processes implemented in the demonstration sites, the progress on MDG targets, and how the results can feed into national policies.	MIT	Activity 1.5.3. Prepare report on lessons learnt, a cost-benefit analysis of processes implemented in the demonstration sites, the progress on MDG targets, and how the results can feed into national policies. This information will be used as input into Output 1.4 (UNIDO).	103,000	125,000	39,000	

JP Outcome 2: Institutional capacity developed for managing climate risks, including disasters						
Output 2.1. Technical capacity for data management is developed. This will improve the quality of drought and flood early warnings across Turkey. UNEP's Division of Early Warning and Assessment can provide guidance.	Selection of relevant stakeholders; Needs assessment conducted.	MARA/MOEF	Activity 2.1.1. Identify the stakeholders at the local to decision-making levels; and identify their information needs (FAO).	5,000	5,000	10,000
	Assessment undertaken of current environmental monitoring and data management in national, regional and local government, the private sector, universities, NGOs, Civil Societies Organizations (CSO) and Community Based Organizations (CBOs) in terms of climate change/seasonal forecasting data collection, assessment and distribution.	MARA/MOEF	Activity 2.1.2. Assess the existing technical capacity and gaps for providing early warnings of floods and droughts (FAO).	5,000	5,000	10,000
	Recommend methods of data standardization, quality control, and feedback loops between data producers and data users; Develop and implement an environmental information management system; Identify and agree to roles and responsibilities of relevant institutions in relation to monitoring, and general management of the information system; Develop and implement training materials for the data users.	MARA/MOEF	Activity 2.1.3. Prepare an implementation plan for an environmental information management system that can integrate available climate change data across all relevant institutions and disseminate this information to end-users (FAO).	87,500	87,500	175,000
Output 2.2. Technical capacity for analysis and interpretation of data developed.	Identify the type of data required for strengthening and building upon the project; Provide biological expertise to the MARA in order to further develop environmental observing systems to provide the necessary data to improve climate change forecasts; Facilitate collaboration with TEFER to incorporate flood warnings into the MARA Early Warning System.	MARA	Activity 2.2.1. Expand and strengthen MARA's Turkish Agriculture Drought Masterplan in order to increase capacity to deliver early warnings for floods and droughts. This activity will build on the multi-agency Global Terrestrial Observing System (GTOS) (FAO).	50,000	50,000	100,000
	Currently available regional climate models accessed through comparative studies; A series of training activities to help capacity projections developed and executed; A prototype of adaptive data for climate change data analysis, projects, scenario analysis and information dissemination developed and implemented; An information dissemination system developed; Capacity to interpret the data analyses and make appropriate recommendations for decision makers at all scales developed.	ITU	Activity 2.2.2. Design and implement a sustainable modeling framework, in harmony with IPCC/AR4, to continually provide downscale climate projections for Turkey at spatial-temporal scales appropriate for climate change preparedness and planning (UNDP).	54,000	162,000	54,000
Output 2.3. Capacity of end-users to respond to early warnings developed.	Collaboration between experts who are responsible for managing the Seyhan River Basin and international centres focusing on risk reduction promoted; Relevant local stakeholders identified; A set of procedures to respond to early warnings and seasonal forecasts with these stakeholders developed; Environmental management as a tool for risk reduction piloted.	MOEF	Activity 2.3.1. Implement a pilot project in the Seyhan River Basin to build capacity to respond to early warnings and seasonal forecasts (i.e. risk reduction) (UNDP).	22,100	65,800	22,100
	Roadmap developed with detailed procedures to undertake during drought and flood events (i.e. crisis management) and presented to the Turkish government.	MOEF	Activity 2.3.2. Establish a set of procedures for the Turkish government and local stakeholders to undertake during drought and flood events (i.e. crisis management) (UNDP).	26,900	51,200	26,900
JP Outcome 3: Capacity for community-based adaptation in the Seyhan River Basin developed.						
Output 3.1. Proposals for community-based adaptation projects developed and selected.	Key problems reviewed in the Seyhan River basin; Adaptation strategy developed for the region; Stakeholder analysis and engagement plan developed, with a special emphasis on women's groups and other marginalized groups; Baseline information documented and available adaptation options assessed; Workshops, expert meetings, and consultations held with local stakeholders to review options; Livelihood analysis undertaken to identify the gaps to increase the adaptive capacity of local communities and municipalities; Current available methodologies and ongoing projects identified which may be strengthened by MDG-F fundings; Project selection methodology developed (i.e. eligibility and selection criteria established for funding of projects) by using the Information collected in this activity; Criteria selected by the Technical Advisory Committee and endorsed by the Programme Management Committee; Monitoring and evaluation methodologies/strategies for the pilot projects developed.	MOEF	Activity 3.1.1. Prepare guidelines on climate change adaptation projects that will be eligible for funding. This will be undertaken by the TAC (UNDP).	25,900	77,700	46,400
	Communication undertaken with local newspaper; "Restricted Call for Proposals" advertised in local newspapers.	Local Newspapers	Activity 3.1.2. Advertise a "Restricted Call for Proposals" in local newspapers. A concept note including a budget and logframe will be required in the proposal (UNDP).	2,000	6,000	2,000
	Communication strategy developed; Training provided to local communities, government and other relevant stakeholders on adaptation to climate change through interactive workshops; The workshops opened to the general public and advertised in local newspapers; Information provided to local and national government on the process of project selection; Local community preferably selected as the implementing agent with local government as the executing agent.	Local Communities	Activity 3.1.3. Inform the public and government on the eligibility criteria and the selection process, and build local capacity on climate change adaptation projects (UNDP).	22,900	48,700	38,400
	Concept notes selected according to criteria developed in activity 3.1.1. This has been undertaken by the Technical Advisory Committee, and endorsed by the Programme Management Committee (PMC); Appropriate expertise provided to successful applicants to develop concept note into full project proposal; This has been undertaken by Regional Project Manager (RPM) within the PMC in cooperation with the Technical Advisory Committee.	UNDP	Activity 3.1.4. Development of concept notes into full project proposals (UNDP).	17,000	51,000	17,000
Output 3.2. Pilot projects awarded, initiated, monitored and evaluated.	Pilot projects awarded.	UNDP	Activity 3.2.1. Award pilot projects the start up funds (UNDP).	577,300	1,919,882	577,300
	Local institutional arrangements set up and pilot projects initiated.	MOEF	Activity 3.2.2. Facilitate start-up of pilot projects (UNDP).	11,700	21,600	11,700
	Project progress evaluated i.e. mid-term review and final evaluation taken place based on a reporting mechanism established.	MOEF	Activity 3.2.3. Monitor, evaluate and audit project progress (UNDP).	53,000	37,519	45,481
	Final report of the project elaborated with all lessons learned captured.	MOEF	Activity 3.2.4. Prepare final report on projects (UNDP).	15,300	45,900	23,800
Output 3.3. Lessons captured and up-scaled by feeding into upstream policy level outcomes.	Project data and final reports analyzed; Meetings with project participants conducted; Policy amendments tested with the relevant pilot project partners.	MOEF	Activity 3.3.1. Document lessons learned (UNDP).	20,800	38,400	20,800
	National policy makers informed to facilitate incorporation of successful new strategies and/or to revise present strategies. Outcome 3 outputs taken into account; Information provided to UNDP's Adaptation Learning Mechanism.	MOEF	Activity 3.3.2. Develop and implement a dissemination strategy (UNDP).	19,400	58,200	22,400
	Technical needs determined; relevant staff selected; technical assistance provided.	MOEF	Activity 3.3.3. Provides technical assistance to the pilot projects (UNDP, UNEP).	20,000	20,000	23,000

JP Outcome 4. Climate change adaptation mainstreamed into UN programming framework in Turkey						
Output 4.1. Revision of UNDAF with a coordinated approach to mainstreaming climate change undertaken.	Consultative meetings held among UNCT and stakeholders.	UNCT	Activity 4.1.1. Hold consultative meetings among UNCT and stakeholders (UNCT, UNEP).			
	UN programme staff trained on Climate Change Adaptation measures.	UNCT	Activity 4.1.2. Provide training on Climate Change Adaptation measures and on climate change related disaster management to UN Staff (UNCT, UNEP).			
	Each agency's adaptation to climate change section of UNDAF presented at the mid-term review meeting of UNDAF in 2008.	UNCT	Activity 4.1.3. Hold mid-term review meeting of UNDAF in 2008 (UNCT, UNEP).	10,000	10,000	7,000
	Main conclusions on UNDAF review compiled.	UNCT	Activity 4.1.4. Validate conclusions of mid-term review meeting and obtain signature on revised UNDAF (UNCT, UNEP).			
	UNDAF with amendments on climate change signed.	UNCT	Activity 4.1.5. Assess the options for outcome objectives through the UNEP - UNDP Partnership on Adaptation (CC-DAREY) (UNCT, UNEP).			
Output 4.2. Screening mechanism on climate change (with a gender approach) agreed upon and established among UNCT agencies.	One climate change focal point per agency designated.	UNCT	Activity 4.2.1. Designation of focal point in each relevant agency (UNCT, UNEP).			
	A group of projects/programs identified for climate change crosscutting review.	UNCT	Activity 4.2.2. Identify priority projects/programs for climate change crosscutting review (UNCT, UNEP).			
	The screening tool with a checklist applied to selected MDG-based programmes.	UNCT	Activity 4.2.3. Test screening tool using a project/programme design checklist on selected MDG-based programs (UNCT, UNEP).	6,000	6,000	9,000
	The lessons learned from the screening exercise collected and used to further develop the tool.	UNCT	Activity 4.2.4. Document lessons learned from the screening exercise and use these to further develop the tool (UNCT, UNEP).			
	The screening tool for application to all MDG-based UN programmes officially validated.	UNCT	Activity 4.2.5. Validate screening tool for application to all MDG-based UN programmes (UNCT, UNEP).			
	UNCT Annual Reports prepared with Climate Change screening.	UNCT	Activity 4.2.6. Prepare UNCT Annual Reports on Climate Change screening (UNCT, UNEP).			
				21,500	6,500	17,000
Reporting	UNDP		20,000			
Project Preparation/Formulation	UNDP		1,857,000	3,766,301	1,356,181	
Total without Management Fees (Overhead)			18,570	32,683	13,562	
Administrative Agency Fee 1% of Project Cost			129,990	228,781	94,933	
Management Fee (Overhead) 7% of Project Cost			2,005,560	3,529,766	1,464,676	
TOTAL:						

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5. Results Framework

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The capacity of national and regional institutions to respond to climate change risks in Turkey will be enhanced. In particular, capacity will be developed in the Turkish Government to ensure that appropriate climatic data is systematically collected and disseminated to relevant end-users via early warning systems. This will also include public health concerning water – borne diseases.

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agricultural productivity, ecosystem goods and services, and the natural resource base in the context of a warming and drying climate. It will also focus on improving preparedness for an increase in the frequency of droughts and floods. Public private partnerships will be a key component of this outcome. Also activities to enhancing public awareness will be performed.

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The UNDAF framework will be revised and used for mainstreaming climate change adaptation within MDG-based UN programming in Turkey. The focus will be on areas where the UN has a comparative advantage and can develop long-lasting in-country capacities at individual, institutional and societal levels. Adaptation to climate change will be integrated into all multi-agency projects targeted at achieving the MDGs.

Annex B provides further details on: i) strategies addressing the key causes of the problems which have been identified; ii) partners involved in each phase; iii) the intended manner in which the project should unfold; iv) the division of labor between the partners. Annex D provides details on the institutional framework; capacities and expertise of partners in the Joint Programme.

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Expected Results (Outputs)	SMART Outputs	Implementing Partner	Indicative activities for each Output	Resource allocation and Indicative time frame		
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Output 1.1. A plan for education, training and public awareness on adaptation to climate change (UNFCCC Article 6) to support the objectives of the Joint Programme developed and implemented.	List of relevant target groups elaborated (e.g. the general public, media, industry, private sector, policy makers, women and vulnerable groups); Needs of target groups and means of training identified (e.g. tools such as workshops, seminars, information packages, handbooks for decision-makers).	MOEF	Activity 1.1.1. Assess the training needs and develop a plan for meeting them (UNEP).	50.000	0	0
	The training plan implemented and follow up undertaken.	MOEF	Activity 1.1.2. Implement the plan (UNEP).	100.000	50.000	15.000
Output 1.2. Long term knowledge in Turkish institutions developed. This serves both to develop capacity in country, and to increase Turkey's profile in international climate change collaboration, including IPCC.	Extra curricular activities for school children in primary and secondary schools in the Seyhan River Basin for awareness raising provided. These activities would include small projects with a budget to be implemented by the school children.	MOEF	Activity 1.2.1. Facilitate student training at school and university levels (UNDP).	27.700	83.100	24.200
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Output 1.3. National adaptation to climate change strategy developed and submitted to the Government of Turkey for consideration. This will serve as a basis for altering existing policies and legislative framework.	Literature on vulnerability and Impact of climate change in selected sectors and regions reviewed and synthesized.	MOEF	Activity 1.3.1. Review and synthesise existing literature on vulnerability and Impact of climate change in relevant sectors and regions (UNEP).	10.000	0	0
	Vulnerability assessment conducted in selected regions with the Adaptation Policy Frameworks for climate change guidelines.	MOEF	Activity 1.3.2. Undertake participatory vulnerability assessment with key stakeholders in relevant regions (including the Seyhan River Basin) and sectors. The Adaptation Policy Frameworks for climate change guidelines will be used (UNEP).	20.000	0	0
	Information; Interpretation and prioritization of needs collected; Strategy designed.	MOEF	Activity 1.3.3. Prepare Strategy with government and support from FAO, UNDP and UNIDO (UNEP).	10.000	0	0
	Institutional information workshops conducted on the strategy.	MOEF	Activity 1.3.4. Disseminate strategy proposal to appropriate stakeholders for feedback (UNEP).	5.000	0	0
	Strategy revised and adapted based on feedback from the relevant stakeholders.	MOEF	Activity 1.3.5. Revise the strategy based on feedback (UNEP).	4.000	0	0
	Official signature obtained by all stakeholders; Strategy submitted to the Government.	MOEF	Activity 1.3.6. Submit to the Government of Turkey for consideration (UNEP).	1.000	0	0
Output. 1.4. Amends to policy and appropriate policy tools will be developed and proposed for reducing vulnerability to climate change through the government's development activities and private sector. A package of policies, legislative, regulatory and other policy instruments is produced and agreed to be submitted to the Government of Turkey for consideration to address climate change risks foreseen in the climate change models/scenarios to be developed during the programme implementation.	Relevant national policies and regulatory frameworks as entry points for reform identified and reviewed; Institutional mapping undertaken; Draft amendments prepared and capacity needs identified; Regional adaptation strategy for the Seyhan River Basin developed; Stakeholders consulted; Human resources training needs developed to facilitate the implementation of amended relevant laws and regulations; Action plan programme for the appropriate capacity building and awareness raising with regard to the amended policies and legislation elaborated. Effectiveness of the existing monitoring and evaluation mechanisms analysed and reviewed. Recommendations on adjustments of monitoring and evaluation mechanisms to incorporate climate change adaptation into national, regional and local level structures developed.	MOEF	Activity 1.4.1. Undertake a legal and institutional review i.e. assess the Turkish legal and policy frameworks to identify the key entry points for adaptation mainstreaming (with a particular focus on the four themes (water, disaster management, coastal management, natural resource management) and cross cutting tools such as EIA) (UNEP).	70.000	0	0
	Proposals negotiated, agreed upon and submitted.	MOEF	Activity 1.4.2. Submit proposals developed in Activity 1.4.1 for integrating climate change adaptation into the national legal framework to relevant stakeholders (UNEP).	70.000	0	0
	Staff responsible for climate change adaptation in agriculture trained.	MOEF	Activity 1.4.3. Undertake targeted capacity building for those responsible for implementing changes as they relate to agriculture (with particular focus on woman's groups) (FAO).	7500	7500	15000
	Staff responsible for climate change adaptation in industry trained.	MOEF	Activity 1.4.4. Undertake targeted capacity building for those responsible for implementing changes as they relate to industry (UNIDO).	7.500	8.800	3.700

	Staff responsible for climate change adaptation in other relevant sectors trained.	MOEF	Activity 1.4.5. Undertake targeted capacity building for those responsible for implementing changes as they relate to sectors other than agriculture and industry (UNEP).	60.000	0	0
Output 1.5. Industrial practices amended to reduce vulnerability to climate change.	Geographical area/s selected; Baseline of water section analysed; Appropriate industrial processes to be altered identified; Appropriate technological changes identified.	MIT	Activity 1.5.1. Prepare a business plan for an eco-efficiency centre, which focuses on adaptation of industry to climate change-risks, especially reduction of water consumption (UNIDO).	34.000	0	0
	The eco-efficiency center established.	MIT	Activity 1.5.2. The eco-efficiency centre, with 6 demonstration sites to reduce water consumption, established (UNIDO).	119.000	200.000	0
	Report prepared on lessons learnt with a cost-benefit analysis of processes implemented in the demonstration sites, the progress on MDG targets, and how the results can feed into national policies.	MIT	Activity 1.5.3. Prepare report on lessons learnt, a cost-benefit analysis of processes implemented in the demonstration sites, the progress on MDG targets, and how the results can feed into national policies. This information will be used as input into Output 1.4 (UNIDO).	103.000	125.000	39.000
JP Outcome 2: Institutional capacity developed for managing climate-risks, including disasters.						
Output 2.1. Technical capacity for data management is developed. This will improve the quality of drought and flood early warnings across Turkey. UNEP's Division of Early Warning and Assessment can provide guidance.	Selection of relevant stakeholders; Needs assessment conducted.	MARA/MOEF	Activity 2.1.1. Identify the stakeholders at the local to decision-making levels, and identify their information needs (FAO).	5.000	5.000	10.000
	Assessment undertaken of current environmental monitoring and data management in national, regional and local government, the private sector, universities, NGOs, Civil Societies Organizations (CSO) and Community Based Organizations (CBO) in terms of climate change/seasonal forecasting data collection, assessment and distribution.	MARA/MOEF	Activity 2.1.2. Assess the existing technical capacity and gaps for providing early warnings of floods and droughts (FAO).	5.000	5.000	10.000
	Recommend methods of data standardization, quality control, and feedback loops between data producers and data users; Develop and implement an environmental information management system; Identify and agree to roles and responsibilities of relevant institutions in relation to monitoring, and general management of the information system; Develop and implement training materials for the data users.	MARA/MOEF	Activity 2.1.3. Prepare an implementation plan for an environmental information management system that can integrate available climate change data across all relevant institutions and disseminate this information to end-users (FAO).	87.500	87.500	175.000
Output 2.2. Technical capacity for analysis and interpretation of data developed.	Identify the type of data required for strengthening and building upon the project; Provide biological expertise to the MARA in order to further develop environmental observing systems to provide the necessary data to improve climate change forecasts; Facilitate collaboration with TEFER to incorporate flood warnings into the MARA Early Warning System.	MARA	Activity 2.2.1. Expand and strengthen MARA's Turkish Agriculture Drought Masterplan in order to increase capacity to deliver early warnings for floods and droughts. This activity will build on the multi-agency Global Terrestrial Observing System (GTOS) (FAO).	50.000	50.000	100.000

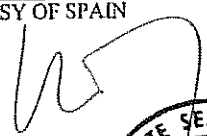
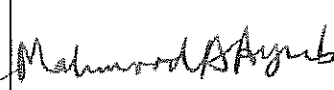
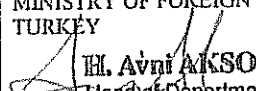

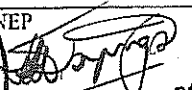
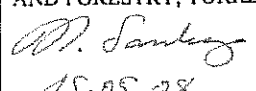

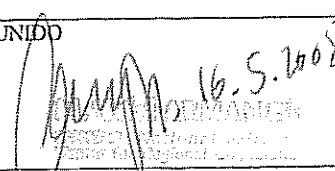
	Currently available regional climate models accessed through comparative studies; A series of training activities to help capacity building among government agencies in using regional climate projections developed and executed; A prototype of adaptive data for climate change data analysis, projects, scenario analysis and information dissemination developed and implemented; An information dissemination system developed; Capacity to interpret the data analyses and make appropriate recommendations for decision makers at all scales developed.	ITU	Activity 2.2.2. Design and implement a sustainable modeling framework, in harmony with IPCC/AR4, to continually provide downscale climate projections for Turkey at spatial-temporal scales appropriate for climate change preparedness and planning (UNDP).	54.000	162.000	54.000
Output 2.3. Capacity of end-users to respond to early warnings developed.	Collaboration between experts who are responsible for managing the Seyhan River Basin and international centres focusing on risk reduction promoted; Relevant local stakeholders identified; A set of procedures to respond to early warnings and seasonal forecasts with these stakeholders developed; Environmental management as a tool for risk reduction piloted.	MOEF	Activity 2.3.1. Implement a pilot project in the Seyhan River Basin to build capacity to respond to early warnings and seasonal forecasts (i.e. risk reduction) (UNDP).	22.100	65.800	22.100
	Roadmap developed with detailed procedures to undertake during drought and flood events (i.e. crisis management) and presented to the Turkish government.	MOEF	Activity 2.3.2. Establish a set of procedures for the Turkish government and local stakeholders to undertake during drought and flood events (i.e. crisis management) (UNDP).	26.900	51.200	26.900
JP Outcome 3: Capacity for community-based adaptation in the Seyhan River Basin developed.						
Output 3.1. Proposals for community-based adaptation projects developed and selected.	Key problems reviewed in the Seyhan River Basin; Adaptation strategy developed for the region; Stakeholder analysis and engagement plan developed, with a special emphasis on women's groups and other marginalized groups; Baseline information documented and available adaptation options assessed; Workshops, expert meetings, and consultations held with local stakeholders to review options; Livelihood analysis undertaken to identify the gaps to increase the adaptive capacity of local communities and municipalities; Current available methodologies and ongoing projects identified which may be strengthened by MDG-F funding; Project selection methodology developed (i.e. eligibility and selection criteria established for funding of projects) by using the information collected in this activity; Criteria selected by the technical Advisory Committee and endorsed by the Programme Management Committee; Monitoring and evaluation methodologies/strategies for the pilot projects developed.	MOEF	Activity 3.1.1. Prepare guidelines on climate change adaptation projects that will be eligible for funding. This will be undertaken by the TAC (UNDP).	25.900	77.700	46.400
	Communication undertaken with local newspaper; "Restricted Call for Proposals" advertised in local newspapers.	Local Newspapers	Activity 3.1.2. Advertise a "Restricted Call for Proposals" in local newspapers. A concept note including a budget and logframe will be required in the proposal (UNDP).	2.000	6.000	2.000
	Communication strategy developed; Training provided to local communities, government and other relevant stakeholders on adaptation to climate change through interactive workshops; The workshops opened to the general public and advertised in local newspapers; Information provided to local and national government on the process of project selection; Local community preferably selected as the implementing agent with local government as the executing agent.	Local Communities	Activity 3.1.3. Inform the public and government on the eligibility criteria and the selection process, and build local capacity on climate change adaptation projects (UNDP).	22.900	50.008	38.400

	Concept notes selected according to criteria developed in activity 3.1.1.; This has been undertaken by the Technical Advisory Committee, and endorsed by the Programme Management Committee (PMC); Appropriate expertise provided to successful applicants to develop concept note into full project proposal; This has been undertaken by Regional Project Manager (RPM) within the PMC in cooperation with the Technical Advisory Committee.	UNDP	Activity 3.1.4. Development of concept notes into full project proposals (UNDP).	17.000	51.000	17.000
Output 3.2. Pilot projects awarded, initiated, monitored and evaluated.	Pilot projects awarded.	UNDP	Activity 3.2.1. Award pilot projects the start up funds (UNDP).	577.300	1.980.455	577.300
	Local institutional arrangements set up and pilot projects initiated.	MOEF	Activity 3.2.2. Facilitate start-up of pilot projects (UNDP).	11.700	21.600	11.700
	Project progress evaluated i.e. mid-term review and final evaluation taken place based on a reporting mechanism established.	MOEF	Activity 3.2.3. Monitor, evaluate and audit project progress (UNDP).	53.000	37.519	46.481
	Final report of the project elaborated with all lessons learned captured.	MOEF	Activity 3.2.4. Prepare final report on projects (UNDP).	15.300	45.900	23.800
Output 3.3. Lessons captured and up-scaled by feeding into upstream policy level outcomes.	Project data and final reports analyzed; Meetings with project participants conducted; Policy amendments tested with the relevant pilot project partners.	MOEF	Activity 3.3.1. Document lessons learned (UNDP).	20.800	38.400	20.800
	National policy makers informed to facilitate incorporation of successful new strategies and/or to revise present strategies. Outcome 1 outputs taken into account; Information provided to UNDP's Adaptation Learning Mechanism.	MOEF	Activity 3.3.2. Develop and implement a dissemination strategy (UNDP).	19.400	58.200	22.400
	Technical needs determined; relevant staff selected; technical assistance provided.	MOEF	Activity 3.3.3. Provide technical assistance to the pilot projects (UNCT, UNEP).	20.000	20.000	23.000
JP Outcome: 4. Climate change adaptation mainstreamed into UN programming framework in Turkey						
Output 4.1. Revision of UNDAF with a coordinated approach to mainstreaming climate change undertaken.	Consultative meetings held among UNCT and stakeholders.	UNCT	Activity 4.1.1. Hold consultative meetings among UNCT and stakeholders (UNCT, UNEP).	10.000	10.000	7.000
	UN programme staff trained on Climate Change Adaptation measures.	UNCT	Activity 4.1.2. Provide training on Climate Change Adaptation measures and on climate change related disaster management to UN Staff (UNCT, UNEP).			
	Each agency's adaptation to climate change section of UNDAF presented at the mid-term review meeting of UNDAF in 2008.	UNCT	Activity 4.1.3. Hold mid-term review meeting of UNDAF in 2008 (UNCT, UNEP).			
	Main conclusions on UNDAF review compiled.	UNCT	Activity 4.1.4. Validate conclusions of mid-term review meeting and attain signature on revised UNDAF (UNCT, UNEP).			
	UNDAF with amendments on climate change signed.	UNCT	Activity 4.1.5. Assess the options for outcome objectives through the UNEP - UNDP Partnership on Adaptation (CC - DARE) (UNCT, UNEP).			
Output 4.2. Screening mechanism on climate change (with a gender approach) agreed upon and established among UNCT agencies.	One climate change focal point per agency designated.	UNCT	Activity 4.2.1. Designation of focal point in each relevant agency (UNCT, UNEP).	6.000	6.000	8.000
	A group of projects/programs identified for climate change crosscutting review.	UNCT	Activity 4.2.2. Identify priority projects/programs for climate change crosscutting review (UNCT, UNEP).			

The screening tool with a checklist applied to selected MDG-based programmes.	UNCT	Activity 4.2.3. Test screening tool using a project/programme design checklist on selected MDG-based programs (UNCT, UNEP).			
The lessons learned from the screening exercise collected and used to further develop the tool.	UNCT	Activity 4.2.4. Document lessons learned from the screening exercise and use these to further develop the tool (UNCT, UNEP).			
The screening tool for application to all MDG-based UN programmes officially validated.	UNCT	Activity 4.2.5. Validate screening tool for application to all MDG - based UN programmes (UNCT, UNEP).			
UNCT Annual Reports prepared with Climate Change screening.	UNCT	Activity 4.2.6. Prepare UNCT Annual Reports on Climate Change screening (UNCT, UNEP).			
Reporting	UNDP		21.500	6.500	17.000
Project Preparation/Formulation	UNDP		20.000		
Total without Management Fees (Overhead)			1.057.000	3.328.075	1.356.181
Management Fee (Overhead) 7% of Project Cost			129.990	233.021	94.933
TOTAL:			1.986.990	3.561.896	1.451.114

All clauses, paragraphs of and attachments to the Contract remain unchanged and in full force.

This Contract Amendmend No: 1 has been signed as ten originals on the date of April 18,2008.

	UN Organizations	National Partners
EMBASSY OF SPAIN 	UNDP 	MINISTRY OF FOREIGN AFFAIRS, TURKEY  H. Avni AKSOY Head of Department Multilateral Economic Affairs
	UNEP  21.05.2008 O.T	MINISTRY OF ENVIRONMENT AND FORESTRY, TURKEY  15.05.08
	FAO	 Tsukasa Kimoto FAO Representative in Turkey a.i
	UNIDO  16.5.2008	

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