

Fund-level impacts				
<i>M1.0 Reduced emissions through increased low-emission energy access and power generation</i>				
<i>A1.0 Increased resilience and enhanced livelihoods of the most vulnerable people, communities and regions</i>				
<i>A2.0 Increased resilience of health and well-being, and food and water security</i>				
<i>A3.0 Increased resilience of infrastructure and the built environment to climate change</i>				
Project-level outcomes				
Outcome 1: Increased water availability for women and men farmers through Improved water conveyance efficiency by investing in a closed irrigation systems and producing low carbon emission renewable energy; (ii) (iii)				
Outcome 2: Increased adoption of practices and technologies to address climate risks by men and women farmers through training to increase water use efficiency and crop water productivity, strengthened public sector extension services and enhanced awareness of climate resilient practices and training of a cadre of women as change agents for climate adaptation;				
Outcome 3: Policy environment for efficient water and energy management is enabled through incorporation of climate change adaptation into key national water and energy management policy frameworks and development of a gender sensitive climate resilient water allocation strategy and rural electrification Road Map.				
Component 1: Strengthening resilience against Climate induced water-scarcity				
Output 1.1.1.: Open canals shifted from to closed systems benefiting 8,457 people				
Activities	Indicators and Targets	Timeline	Responsibilities	Budget
Develop job description for Senior Technical Assistance on Irrigation and Drainage aspects/Project Coordinator detailing responsibility for mainstreaming gender in SRVALI	Indicators: List of responsibilities for mainstreaming gender in the project Targets: List of responsibilities for mainstreaming gender included in job description of Senior Technical Assistance on Irrigation and Drainage aspects and Project Coordinator	By year 1	FAO in consultation with MoE, MoWR and MoA	No budget implication. The gender expert (budgeted under line 114, ANNEX 4) will ensure the task.
Ensure gender sensitive design of closed canal systems through consultations with women on their use of canal water and incorporate any feature required to address their needs.	Indicators: Number of gender-sensitive technical designs specifying result of consultations with women and design features that will provide women with access to water (e.g. drinking water for livestock, washing of clothes) where required. Targets: 13 technical designs with evidence of consultation with women and design features addressing women's needs incorporated where required.	By year 1	FAO, MOWR, DOWR & Service provider contracted under competitive bidding	No budget implication. The bidding documents will include this as a clause and the gender expert (budgeted under line 114, ANNEX 4) will ensure the task.

Ensure construction of features in the closed canals identified in technical design to enable women to access canal water where required.	Indicators: Number of canals and water courses constructed with features identified in technical design allowing women access to canal water for their needs Targets: 13/ 68 km of canals and water courses constructed with features identified in technical design allowing women access to canal water for their needs	By year 4	FAO & Service provider contracted under competitive bidding, MOWR & DOWR.	No budget implication. The bidding documents will include this as a clause and the gender expert (budgeted under line 114, ANNEX 4) will ensure the task.
Output 1.2.1. Water canals covered with solar panels, providing 1,000 kW of renewable energy				
Activities	Indicators & targets	Timelines	Responsibilities	Budget
Develop gender sensitive design of canals covered with solar system The terms of reference for consulting firm will specify mandatory consultations with women and require that their interest is safeguarded in the design	Indicators: Number of gender- sensitive technical designs specifying result of consultations with women and design feature that will safeguard women's needs where required. Targets: Technical design for 1 km with evidence of consultation with women and design features addressing women's needs incorporated if required.	By year 1	FAO & Service provider contracted under competitive bidding, MOWR & DOWR.	No budget implication. The bidding documents will include this as a clause and the gender expert (budgeted under line 114, ANNEX 4) will ensure the task.
Incorporate any features required to safeguard women's needs in construction of canal covered with solar system	Indicators: Construction feature required to safeguard women's needs Targets: Construction feature required to safeguard women's needs constructed on canal covered by solar panels	By year 3	FAO & Service provider contracted under competitive bidding, MOWR & DOWR.	No budget implication. The bidding documents will include this as a clause and the gender expert (budgeted under line 114, ANNEX 4) will ensure the task.

Output 1.3.1.: 500 technical staff trained in design, installation and maintenance of irrigation, drainage and energy technologies.

Activities	Indicators & targets	Timelines	Responsibilities	Budget
Gender-sensitive and inclusive capacity building of technical staff	<p>Indicators:</p> <p>ToR for service provider developing capacity building program includes requirement to consult women and development of gender-sensitive capacity development plan</p> <p>Women consulted during needs assessment</p> <p>Gender issues identified and addressed in capacity building program</p> <p>Number of women technicians trained</p> <p>Percentage of women trained in climate adaptation reporting an increase in knowledge and skills</p> <p>Targets:</p> <p>ToR includes requirement to consult with women and address gender issues</p> <p>Minimum of 25 percent of persons consulted for TNA are women</p> <p>Capacity building programme designed with gender issues identified and addressed</p> <p>125 women technicians trained.</p>	By year 5	FAO, & Service provider contracted under competitive bidding	\$54,750
Develop gender-sensitive training module and include women teachers in capacity building on solar energy in agricultural production and water saving technologies	<p>Indicators:</p> <p>Gender aspects incorporated in module</p> <p>Number of women teachers trained in new module</p> <p>Targets:</p> <p>Module developed with gender aspects incorporated</p>	By year 4		No budget implication. The gender expert (budgeted under line 114, ANNEX 4) will ensure the task.

	Minimum of 5 women teachers trained in new module			
Output 1.3.2. 15 WUAs supported in developing and adopting more efficient and climate sensitive water-distribution plans				
Activities	Indicators & targets	Timelines	Responsibilities	Budget
Develop gender-sensitive ToR for the Service Provider contracted by specifying the following: <ul style="list-style-type: none"> - Prepare a gender strategy for mainstreaming gender in the institutional and functional strengthening of WUAs based on a situational analysis of the role of women in on-farm and off-farm irrigation - Conduct gender training workshops for DOA and DOWR staff in WUA units - Hiring of gender expert for the inclusion of women in WUAs - Develop a sex-disaggregated M&E framework - Review legal framework, management rules, institutional arrangements from the gender perspective and mainstreaming gender in recommendations 	Indicators: Steps for mainstreaming gender specified in ToR for Technical Assistance (TA) Targets: ToR for TA specifies requirements for mainstreaming gender	By year 1	FAO, MoWR, DoWR, DoA & Service Provider contracted under competitive bidding	No budget implication. The gender expert (budgeted under line 114, ANNEX 4) will ensure the task.
Hire a Gender Specialist to assist in mainstreaming gender in the institutional and function aspects of WUA with the following responsibilities: <ul style="list-style-type: none"> - Designing and conducting the study on Women in Irrigation - Identifying strategies for the inclusion of women, especially women-headed households in WUAs - Supervise mobilization of women for WUA membership and level of participation - Supervise mapping of women-headed households in the domain of each WUA - Design and delivering gender sensitization training to WUAs and relevant government staff 	Indicators: Hiring of Gender Specialist Targets: Gender Specialist hired	By year 1		\$39,720

<p>Conduct a study on Women in Irrigation (On-farm and Off farm) in Karbala, Najaf and Muthanna: Situational Analysis and Strategies for Gender Mainstreaming in SRVALI</p> <p>This study will include the following: Situation analysis, key challenges and barriers faced by women in Irrigation, capacity building required for developing for women's effective and direct participation in WUAs, institutional arrangements required for strengthening women's role in irrigation management leadership roles for women, policies, legal framework and management rules required to facilitate women's engagement in WUAs.</p>	<p>Indicators: Study on 'Women in Irrigation and Strategies for Gender Mainstreaming in SRVALI'</p> <p>Targets: Study on 'Women in Irrigation and Strategies for Gender Mainstreaming in SRVALI' published</p>	By Year 2		\$ 20,000
<p>Conduct gender training workshops for DoA and DoWR staff in WUA units in each Governorate</p> <p>These half-day workshops will present the findings of the study on Women and Irrigation in a half-day workshop to the staff of DoA and DoWR in each workshop. They will be conducted by the Gender Specialist in the DoA / DoWR office</p>	<p>Indicators: Number of Gender Orientation Workshops conducted</p> <p>Targets: 3 Gender Orientation Workshops (one per Governorate)</p>	By year 2		\$ 300 (tea and snacks)
<p>Identify women-headed farming households' members for each of the 15 WUAs as part of the social mobilization process for establishing WUAs</p>	<p>Indicators: List of potential women headed household members for each WUA</p> <p>Targets: 15 lists of women-headed households for 15 WUAs</p>			No budget implication. The gender expert (budgeted under line 114, ANNEX 4) will ensure the task.
<p>Enlist women as members of WUA with inclusion of women-headed households based on information collected during social mobilization process and through giving joint membership to women from the same household as male WUA members.</p>	<p>Indicators: Number of women-headed households per WUA</p> <p>Number of women with joint membership per WUA</p> <p>Arrangements for segregated space for women in General Body/Board Meetings</p> <p>Percentage of women members attending GB/Board Meetings</p> <p>Targets: Minimum of 5 women-headed households per WUA</p>	By year 2		No budget implication. The gender expert (budgeted under line 114, ANNEX 4) will ensure the task.

	supported by the project Minimum of 30 women members per WUA Minimum of 30 percent of women WUA members attend meetings			
Reinforce technical and managerial capacities of Women WUA members	Indicators: Number and percentage of women WUA members attending WUA training Targets: Minimum of 17 % of participants of WUA training / Minimum of 15 women per Governorate	By year 5		\$16,650
Ensure a segregated space for women is available to enable women to attend General Body/Board meetings by making it a condition for block grant to a WUA.	Indicators: Availability of segregated space for women Targets: 15 WUAs have segregated space in place for women to attend General Body/Board Meetings	By year 2		No budget implications. The gender expert (budgeted under line 114, ANNEX 4) will ensure the task.
Component 2: Climate Resilient Agriculture Production				
Output 2.1.1.: 400 Extension Staff trained on climate resilient agricultural practices and technologies to train 10,000 farmers in adaptive practices and technologies.				
Ensure Gender sensitive technical oversight This will entail developing job descriptions specifying responsibility of technical experts Agronomist and Climate Change Adaptation Specialist/ M&E Specialist/M*E officer and accountability for mainstreaming gender in project and ensuring progress reports disaggregate findings ad lessons learnt by gender.	Indicators List of responsibilities for mainstreaming gender in Component 2 Findings and lessons learnt disaggregated by gender Targets: Job descriptions of technical experts (Agronomist and Climate Change Adaptation Specialist/ M&E Specialist/M*E officer) includes list of responsibilities and for mainstreaming gender in Component 2	Year 1	Executing Agency FAO, MoA	No budget implications. The gender expert (budgeted under line 114, ANNEX 4) will ensure the task.
Gender-sensitive mid-term and final survey	Indicator Percentage of women in survey sample Findings and lessons learnt disaggregated by gender	By year 6	Executing Agency FAO, MoA and Service Provider	\$19800

	Targets: Minimum of 30 percent of women in survey sample for mid-term and final survey Minimum of 8 percent women-headed households in survey sample for mid-term and final survey Mid-term and final survey findings and lessons learnt disaggregated by gender		contracted under competitive bidding	
Develop training manual and materials that address the specific needs and interests of women farmers	Indicators: Modules and materials responding to women's needs Targets: Training incorporates modules and materials responding to women's needs	By year 1	Executing Agency FAO, MoA and Technical Assistance	\$27,000
Train women as master trainers for Climate Resilient Agriculture	Indicators: Number of women Master trainers Percentage of CWW reporting increased self-confidence, knowledge, and skills in taking on leadership roles in climate adaptation and resilience Targets: 4 / minimum 33 % of 12 Master trainers	By year 1	Executing Agency FAO Agency & MoA	\$5000
Train women extensionists to build their capacities and train farmers on Climate Resilient Agriculture	Indicators: Number of women extensionists trained Percentage of CWW reporting increased self-confidence, knowledge and skills in taking on leadership roles in climate adaptation and resilience Targets: 60 / minimum 15 percent of 400 extension staff trained	By year 1	Executing Agency FAO Agency & MoA	\$28,500
Output 2.1.2: Enhanced capacity of 10,000 farmers in Climate Resilient Agriculture				
Organize FFS for women customized to suit women's specific interests in agriculture / agri-food processing accommodating their preferences in terms of frequency, duration, timing, location	Indicators: Number and percentage of women farmers trained in FFS Number and percentage of women-headed households among women FFS participants Percentage of women and men in CWW communities with positive perceptions of the role of CWWs in their	By year 3	Executing Agency FAO & MoA.	\$18,000

	communities Targets: Minimum 3000 / 30 percent of 10,000 farmers minimum 330/ 11 percent of women FFS participants			
Set up project demonstration farms or plots that focus on validating the benefits of the selected Climate Resilient Agri practices and technologies addressing in particular the interests of women farmers	Indicators: Number and percentage of demonstration farms with a focus on CRA practices and technologies relevant for women farmers Targets: Minimum 120 / 30 percent of 400 demonstration farms with a focus on CRA practices and technologies relevant for women farmers	By year 4		\$978,000
Output 2.1.3: 100,000 farmers reached through ICT4CC technologies				
Activities	Indicators and Targets	Timeline	Responsibilities	Budget
Conduct a gender smart rapid assessment of the use of ICT options in the Iraqi agriculture sector.	Indicators: Percentage of women consulted for assessment. Findings disaggregated by gender in technical report. Targets: 30 per cent of persons consulted. Technical report presents findings disaggregated by gender.	By year 2	Executing Agency FAO and Service Provider contracted under competitive bidding	\$69,000
Develop and disseminate ICT products relevant to women farmers in the three governorates.	Indicators: Percentage of women farmers interviewed for the interim evaluation who accessed at least one ICT product. Percentage of women who accessed an ICT product and considered it relevant to their needs. Targets:	By year 5	Executing Agency FAO and Service Provider contracted under competitive bidding	

	<p>The project ICT4CC action plan specifies strategies for targeting women farmers through ICT products</p> <p>25 percent of women farmers interviewed for the interim evaluation accessed at least one ICT product</p> <p>70 percent of women who accessed an ICT product considered it relevant to their needs</p>			
Output 2.2.1: Technical Capacities of 90 stakeholders and knowledge of 12,000 citizens on solar energy increased through trainings and awareness raising events				
Organize participation of women, including extensionists and other stakeholders on training in Solar Powered Irrigation systems (SPIS).	<p>Indicators:</p> <p>Percentage of women participants</p> <p>Number and percentage and of women participants of SPIS training</p> <p>Targets:</p> <p>Minimum of 30 percent of participants of training on SPIS</p> <p>27 / 30 percent of participants of SPIS training</p>		Executing Agency FAO and MoA	\$28,400
Awareness-raising for women on solar energy through participation in open energy days	<p>Indicators:</p> <p>Identification of delivery channels for informing women about 'open energy days'</p> <p>Gender inclusive awareness raising material</p> <p>Number and Percentage of women participating in Open Energy days</p> <p>Targets:</p> <p>Delivery channels for informing women about 'open energy days' identified in communication plan</p>			\$25,100

	Awareness raising material printed is gender inclusive 3600 / 30 percent of participants of open energy days			
Output 2.3.1.: A cadre of Climate Wise Women (CWW) trained as change agents for climate adaptation				
Activities	Indicators & targets	Timelines	Responsibilities	Budget
Ensure gender-sensitive technical assistance for Climate Wise Women (CWW) sub-component. Hiring of: 1. National Consultant on Gender and Social Inclusion 2. International Consultant/Expert on Gender and Climate Adaptive Agriculture	Indicators: Hiring of National and International Specialists Targets: National and International Specialists are hired	By year 2	Executing Agency FAO with Technical Assistance, MoA/DoA	\$506,894
Develop Social and Behaviour Change Communication Strategy for CWW	Indicators: Hiring of SBCC Specialist Hiring of third-party service provider/media company to design and print SBCC material Social and Behaviour Change Communication Strategy for CWW Targets: SBCC Specialist hired Production of designed SBCC material (brochures, posters, badges, social media campaign) Social and Behaviour Change Communication Strategy produced	By year 2		\$29,128
Design of Training Modules for Master Trainers and CWW	Indicators: Training Needs Assessment Number of Peer Review Workshops with agricultural extension staff Field testing of CWW Training Modules	By year 2		\$46,000

	<p>Number of Validation workshops</p> <p>Design and printing of training material</p> <p>Targets: One Training Needs Assessment completed 6 Peer Review Workshops, each workshop 2 days long</p> <p>1 field testing workshop (5 days)</p> <p>1 Validation Workshop</p> <p>Translated and printed material</p>			
Provide Training to Master Trainers (Sessions will be held at times and locations that are safe and convenient for women and childcare will be provided. Childcare will be provided during these trainings.)	<p>Indicators: Number of Master Trainers</p> <p>Number of trainer kits</p> <p>Targets: 7 Training workshops</p> <p>15 Master Trainers trained</p>	By year 2	Executing Agency FAO with Technical Assistance, MoA/DoA	\$102,500
Select and train CWW (Sessions will be held at times and locations that are safe and convenient for women and childcare will be provided. Childcare will be provided during these trainings.)	<p>Indicators: Number of field visits for social mobilization to spread awareness about CWW in target areas</p> <p>Selection of CWW</p> <p>Training of CWW</p> <p>Number of training kits provided to CWW</p> <p>Targets: 12 field days per Master Trainer (15 trainers) for social mobilization and raising awareness</p> <p>50 CWW selected per governorate</p>	By year 4		\$585,804

	12 workshops per batch of 25 CWW (2 batches in each governorate) 150 Training Kits provided to CWWs			
Design and conduct study on 'Women & Climate Change: Impact, Challenges and Coping Strategies in Kerbala, Muthanna and Najaf' This study will be designed by the International and National Gender Specialist for Climate Adaptive Agriculture & Gender. It will be conducted through the CWW and capture women's experience with climate change at the grassroots in addition to the impact of CWWs.	Indicator: Study on 'Women & Climate Change: Impact, Challenges and Coping Strategies in Kerbala, Muthanna and Najaf' Target: Study on 'Women & Climate Change: Impact, Challenges and Coping Strategies in Kerbala, Muthanna and Najaf' completed			No budget implication. The gender expert (budgeted under line 114, ANNEX 4) with the support of the M7E unit of the project will ensure the task.
Output 2.3.2. 40,500 women sensitized for climate adaptive measures.				
Activities	Indicators & targets	Timelines	Responsibilities	Budget
Disseminate climate resilient practices through CWW	Indicators: Number of Community dialogues Number of home visits Number of monitoring meetings with CWW by Master Trainers Targets: 27000 Community dialogues conducted by CWW 9000 House visits conducted by CWW One monthly monitoring meeting conducted by Master Trainers (10 CWW per trainer) and attended by CWW	Year 3 to 5		\$472,050
Organize multi-stakeholder CWW Forums	Indicators: Number of CWW forums organized Targets: One CWW forum per year for 3 years	Year 3 to 5	FAO with Service Provider contracted under competitive bidding, MoA/DoA	\$30,000

Component 3: Scaling-up climate adaptation through policy formulation and planning				
Output 3.1.1.: A climate resilient water allocation strategy and its action/legal/coordination plan developed				
Activities	Indicators & Targets	Timelines	Responsibilities	Budget
Hire a Gender Specialist to assist in mainstreaming gender in Climate Resilient Water Allocation Strategy	Indicators: Recruitment of Gender Specialist Targets: Gender Specialist Recruited		FAO, Ministry of Health and Environment MoE, MoWR and MoA	\$ 113,000
Develop a Gender Smart Climate Resilient Water Allocation Strategy	Indicators: ToR of TA specifies requirement for identifying gender issues in desk research, gender inclusive consultations and drafting a climate resilient water allocation strategy which identifies and addresses gender issues. Percentage of women consulted during field research Session on gender issues in multi-stakeholder workshops Gender Issues identified and addressed in gender smart climate resilient water allocation strategy Targets: ToR of TA specifies requirement for identifying gender issues in desk research, gender inclusive consultations and drafting a climate resilient water allocation strategy which identifies and addresses gender issues. 25 percent women of persons consulted during field research Session on gender issues held in each multi-stakeholder workshops Gender Issues identified and addressed in Gender smart Climate Resilient Water Allocation strategy document			

Output 3.1.2. Improved national compliance practices for management of irrigation water supply				
Incorporate women water users perspectives in identifying and establishing improved national compliance practices for management of irrigation water supply	Indicator: Identification of gender issues and strategies to address bottlenecks and establish new service-delivery performance targets for women water users Target: Gender issues and strategies to address bottlenecks and establish new service-delivery performance targets for women water users identified and addressed in action plan		FAO, Ministry of Health and Environment MoE, MoWR and MoA	\$71,000
Ensure representation of women in knowledge exchange visits on managing and maintain irrigation water supply and drainage	Indicator: Number and percentage of women on knowledge exchange visits/webinars Targets: 30/ 30 percent of 100 participants webinars Minimum of 7/30 percent of participants of knowledge exchange visits			\$ 72,600
Output 3.2.1. Enhanced planning for solar rural electrification				
Activities	Indicators & Targets	Timelines	Responsibilities	Budget
Develop ToRs for national policy expert and national energy expert specifying requirement for developing a gender sensitive solar rural electrification plan	Indicators: Requirement for identifying gender issues and strategies in ToR of National Policy and National Energy Expert Targets: ToRs of national policy expert and national energy include requirement for identifying gender issues and strategies		FAO, Ministry of Health and Environment MoE, MoWR and MoA	No budget implication

Develop a gender-sensitive Road Map for solar rural electrification	Indicators: Gender issues and strategies identified Targets: Road Map for solar rural electrification highlights gender issues and specifies any strategies required for addressing them			
Project Management Unit				
Activities	Indicators & Targets	Timelines	Responsibilities	Budget
Conduct Workshop on Gender & Sexual Harassment Prevention	Indicator: Workshop on Gender & Anti-Sexual Harassment Target: One workshop on Gender & Anti-Sexual Harassment	By year 1	FAO	\$2,400
Conduct Communication Campaign on Climate Change and Women The objective of this communication campaign will be to highlight the role of women in climate change and their leadership potential through disseminating the studies on Women in Irrigation. 'Women & Climate Change: Impact, Challenges and Coping Strategies in Kerbala, Muthanna and Najaf'. The studies will be disseminated and discussed at the Climate Wise Women Forums and in Universities of Agriculture in the three target Governorates.	Indicator: Number of copies of studies on Women in Irrigation & 'Women & Climate Change Women and Climate Change Events Target: 1000 copies disseminated of studies on Women in Irrigation & 'Women & Climate Change 3 Women and Climate Change Events	By year		\$12,000
Conduct Gender Inclusive Communication Campaigns Communication campaigns conducted by the project will ensure that women and men are targeted equally and that messages, media and delivery channels used are gender inclusive	Indicator Gender inclusion strategies Target Gender inclusion strategies listed in 5 communication campaign plans			\$30,000