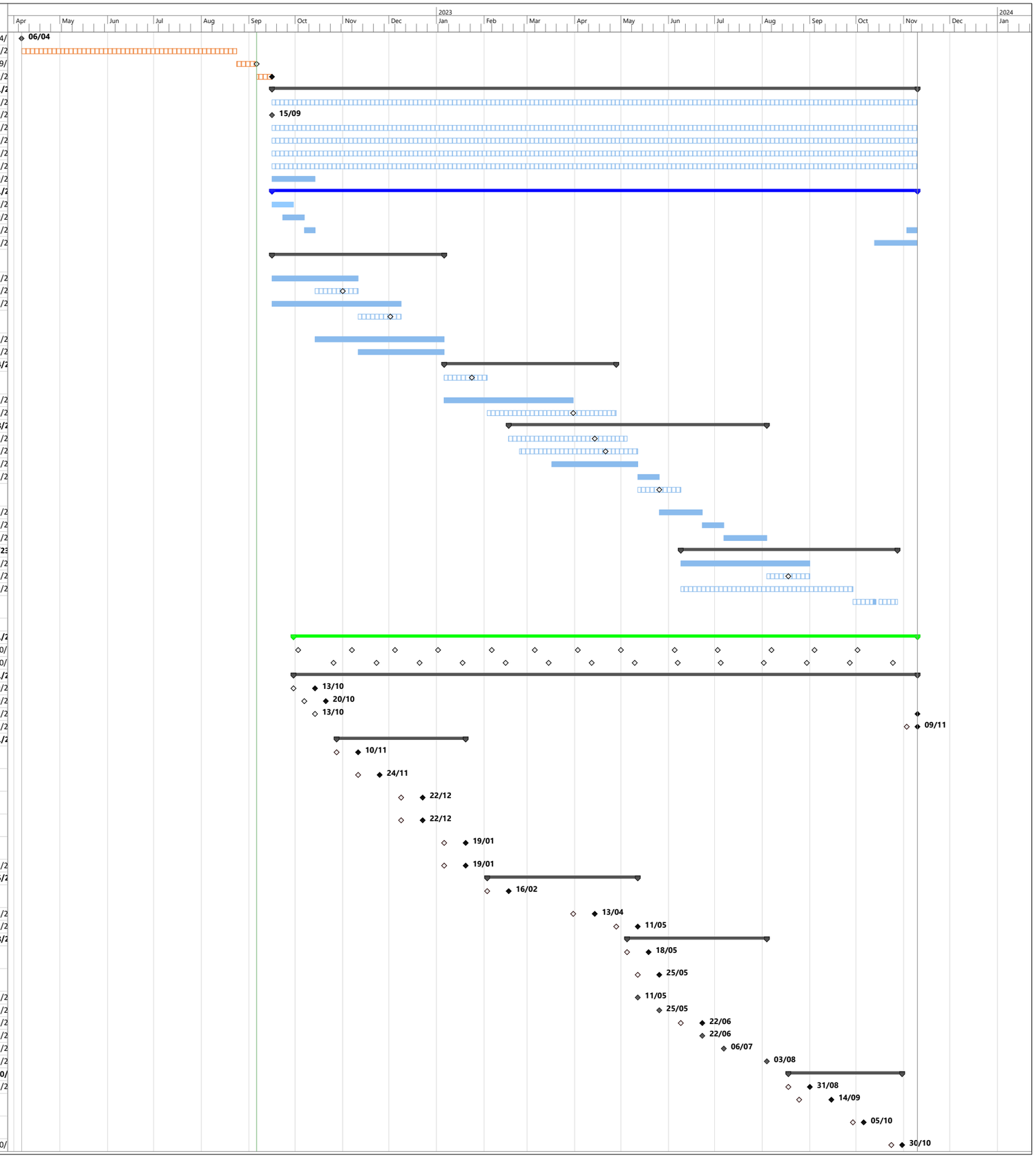ID	Task Name	Duration	Start	Finish
1	Proposal Submission	0 days	Wed 06/04/22	Wed 06/04/
2	Technical Evaluation, No Objection, Financial Opening, No Objection	5 mons	Wed 06/04/22	Tue 23/08/2
3	Negotiation and Award of Contract	9 days	Wed 24/08/22	Mon 05/09/
4	Mobilisation and Commencement	8 days	Tue 06/09/22	Thu 15/09/2
5	**Preparation and Project Management**	**300 days**	**Thu 15/09/22**	**Thu 09/11/2**
6	Leadership and Communications	15 mons	Fri 16/09/22	Thu 09/11/2
7	Kick-off Meeting	0 days	Thu 15/09/22	Thu 15/09/2
8	Quality Assurance	15 mons	Fri 16/09/22	Thu 09/11/2
9	Environmental Management	15 mons	Fri 16/09/22	Thu 09/11/2
10	Health & Safety, and Security	15 mons	Fri 16/09/22	Thu 09/11/2
11	Ethics and Gender	15 mons	Fri 16/09/22	Thu 09/11/2
12	Literature Review	1 mon	Fri 16/09/22	Thu 13/10/2
13	**Mandatory Output: Development of implementation planning and communication documents**	**300 days**	**Fri 16/09/22**	**Thu 09/11/2**
14	Activity i: Develop detailed work plan (activities, deliveries, outputs, deadlines and responsible persons/organisations and budget)	0.5 mons	Fri 16/09/22	Thu 29/09/2
15	Activity ii: Develop a Monitoring and Evaluation Plan	0.5 mons	Fri 23/09/22	Thu 06/10/2
16	Activity iii: Impact description document (Initial and Final)	285 days	Fri 07/10/22	Thu 09/11/2
19	Activity iv: A CTCN Closure and Data Collection report	1 mon	Fri 13/10/23	Thu 09/11/2
20	**Output 1: Benchmark Solar Powered Irrigation Technologies Suitable to Smallholder Farmers in Ghana and Assess their Respective Cost-Benefits**	**80 days**	**Fri 16/09/22**	**Thu 05/01/23**
21	Activity 1.1: Map relevant stakeholders and establish a stakeholder working group	2 mons	Fri 16/09/22	Thu 10/11/2
22	Activity 1.2: Conduct an inception meeting (Preparation, Facilitation, Reporting)	20 days	Fri 14/10/22	Thu 10/11/2
26	Activity 1.3: Desk analysis of the agricultural and irrigation practices in Ghana	3 mons	Fri 16/09/22	Thu 08/12/2
27	Activity 1.4: Organize a stakeholder workshop to introduce the SPIS to Ghana´s future users, national officers, investors and private sector (Preparation, Facilitation, Reporting)	20 days	Fri 11/11/22	Thu 08/12/22
31	Activity 1.5: Elaborate a guide of solar irrigation technology systems that could be used in Ghana	3 mons	Fri 14/10/22	Thu 05/01/2
32	Activity 1.6: Cost analysis of the technologies and SPIS architectures	2 mons	Fri 11/11/22	Thu 05/01/2
33	**Output 2: Define a Business Model Targeting Smallholder Farmers for the Use of Solar Pumping Irrigation Systems in Ghana**	**80 days**	**Fri 06/01/23**	**Thu 27/04/2**
34	Activity 2.1: Organize a stakeholder meeting with representative of local smallholder farmers as well as financial institutions (Preparation, Facilitation, Reporting)	20 days	Fri 06/01/23	Thu 02/02/23
38	Activity 2.2: Define business model(s) that would enable the use of SPIS by smallholder farmers in Ghana	3 mons	Fri 06/01/23	Thu 30/03/2
39	Activity 2.3: Business model validation workshop (Preparation, Facilitation, Reporting)	60 days	Fri 03/02/23	Thu 27/04/2
43	**Output 3: National Framework on Solar Powered Irrigation Technology**	**120 days**	**Fri 17/02/23**	**Thu 03/08/2**
44	Activity 3.1: High level governmental meeting (Preparation, Facilitation, Reporting)	55 days	Fri 17/02/23	Thu 04/05/2
48	Activity 3.2: Stakeholder consultation with the private sector (solar tech providers and distributors) (Preparation, Facilitation, Reportir	55 days	Fri 24/02/23	Thu 11/05/2
52	Activity 3.3: Draft policy framework to set up a compliance standards and certification for solar irrigation technology.	2 mons	Fri 17/03/23	Thu 11/05/2
53	Activity 3.4: Circulate first draft of the policy framework and collect official feedback	2 wks	Fri 12/05/23	Thu 25/05/2
54	Activity 3.5: Conduct an official review workshop with the concerned national ministries, governing authorities and to the stakeholder working group (Preparation, Facilitation, Reporting)	20 days	Fri 12/05/23	Thu 08/06/23
58	Activity 3.6: Incorporate comments and develop second draft of the policy framework	1 mon	Fri 26/05/23	Thu 22/06/2
59	Activity 3.7: Circulate second draft and collect official feedback	2 wks	Fri 23/06/23	Thu 06/07/2
60	Activity 3.8: Incorporate comments and develop final draft of the policy framework	1 mon	Fri 07/07/23	Thu 03/08/2
61	**Output 4: Capacity Training to Raise Awareness on the Benefits of Solar Pumping Irrigation Systems for Smallholder Farmers in Ghana**	**101 days**	**Fri 09/06/23**	**Fri 27/10/23**
62	Activity 4.1: Design the comprehensive training modules targeting smallholder farmers and investors	3 mons	Fri 09/06/23	Thu 31/08/2
63	Activity 4.2: Validation of the modules through a meeting with the stakeholder working group (Preparation, Facilitation, Reporting)	20 days	Fri 04/08/23	Thu 31/08/2
67	Activity 4.3: Creation of a webpage about SPIS to be hosted in the Environmental Protection Agency (EPA)	4 mons	Fri 09/06/23	Thu 28/09/2
68	Activity 4.4: Dissemination of the training modules through 3 stakeholder´s workshops (Smallholder Farmers, Private sector, EPA officers) (Preparation, Facilitation, Reporting)	21 days	Fri 29/09/23	Fri 27/10/23
74				
75	**Reporting/Deliverables**	**290 days**	**Thu 29/09/22**	**Thu 09/11/2**
76	Progress Reports	260 days	Mon 03/10/22	Mon 02/10/
90	Stakeholder Working Group Meetings (Virtual/Physical, as necessary, minimum every 4 weeks)	260 days	Wed 26/10/22	Wed 25/10/
105	**Mandatory Output (Deliverable 0)**	**290 days**	**Thu 29/09/22**	**Thu 09/11/2**
106	Detailed Work Plan and Budget (Draft and Approved)	10 days	Thu 29/09/22	Thu 13/10/2
109	Technical Assistance Monitoring & Evaluation Plan (Draft and Approved)	10 days	Thu 06/10/22	Thu 20/10/2
112	Impact Description Document (Initial and Final)	280 days	Thu 13/10/22	Thu 09/11/2
115	CTCN Closure and Data Collection Report	1 wk	Fri 03/11/23	Thu 09/11/2
116	**Deliverable 1**	**60 days**	**Fri 28/10/22**	**Thu 19/01/2**
117	Stakeholder Mapping Report (containing a complete stakeholder list as well as a description of the stakeholder working group, with name, position, institution, gender and role of each member) (Draft and Approved)	2 wks	Fri 28/10/22	Thu 10/11/22
118	Inception Meeting Report (with materials, list of participants disaggregated by gender, bibliography and planning of bilateral meetings to be held by the international expert in Ghana) (Draft and Approved)	2 wks	Fri 11/11/22	Thu 24/11/22
119	Agricultural and Irrigation Practices Assessment (including minutes of interviews, names of participants, type of meeting, themes treated, questions raised) (Draft and Approved)	2 wks	Fri 09/12/22	Thu 22/12/22
120	Minutes of the stakeholder working group´s workshop, including materials, list of participants (disaggregated by gender), photos, conclusions (Draft and Approved)	2 wks	Fri 09/12/22	Thu 22/12/22
121	Guide of most appropriate solar irrigation technology systems that could be efficiently and sustainably implemented for smallholder farmers in remote areas of Ghana (including a list of accredited suppliers and distributors) (Draft and Approved)	2 wks	Fri 06/01/23	Thu 19/01/23
122	Cost analysis of at least 3 technologies and system architectures presented in the previous deliverable	2 wks	Fri 06/01/23	Thu 19/01/2
123	**Deliverable 2**	**70 days**	**Fri 03/02/23**	**Thu 11/05/2**
124	Report of the meeting (with list of participants disaggregated by gender, photos, materials used and SWOT analysis of the access to financial mechanisms from smallholder farmers for the purchase of solar pumping irrigation systems)	2 wks	Fri 03/02/23	Thu 16/02/23
125	At least 1 and up to 3 Business models targeting smallholder farmers for SPIS with their respective architecture	2 wks	Fri 31/03/23	Thu 13/04/2
126	Minute of Stakeholder workshop	2 wks	Fri 28/04/23	Thu 11/05/2
127	**Deliverable 3**	**65 days**	**Fri 05/05/23**	**Thu 03/08/2**
128	High Level Governmental minute (with photos, a list of participants disaggregated by gender materials used, conclusions of the meeting and definitions of the policy framework vision and mission, objectives and goals and guiding principles)	2 wks	Fri 05/05/23	Thu 18/05/23
129	Minutes of private sector consultation (with photos, list of participants, disaggregated by gender, materials, conclusions, identification of barriers, discussion on standards, certification, financial incentives, and actions)	2 wks	Fri 12/05/23	Thu 25/05/23
130	Draft policy framework to set up a compliance standards and certification for solar irrigation technology	0 days	Thu 11/05/23	Thu 11/05/2
131	Compiled feedback and comments on first draft of the policy framework	0 days	Thu 25/05/23	Thu 25/05/2
132	Official workshop review report	2 wks	Fri 09/06/23	Thu 22/06/2
133	Second draft of the policy framework	0 days	Thu 22/06/23	Thu 22/06/2
134	Compiled feedback and comments on revised draft of the policy framework	0 days	Thu 06/07/23	Thu 06/07/2
135	Final draft of the policy framework	0 days	Thu 03/08/23	Thu 03/08/2
136	**Deliverable 4**	**52 days**	**Fri 18/08/23**	**Mon 30/10/**
137	Draft Training modules designed	2 wks	Fri 18/08/23	Thu 31/08/2
138	Minute of the validation meeting with the SWG and revised training modules, including modules translated into one local language (if considered necessary by the SWG)	3 wks	Fri 25/08/23	Thu 14/09/23
139	Draft EPA webpage and minutes of the meeting with the SWG to validate the content, with confirmation that the webpage is operational and the main reports and training modules are uploaded	1 wk	Fri 29/09/23	Thu 05/10/23
140	Minutes of the meeting with the list of participants disaggregated by gender, photos, materials used	1 wk	Tue 24/10/23	Mon 30/10/