**Specifications**

1. **General information**

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| Assignment name | Expertise in Public-Private Partnership Projects in the Solid Waste Management Sector |
| Beneficiary | Local partners |
| Country | Philippines |
| Total estimated duration | 24 months |

1. **Context and justification of the need**

The economic dynamism of the Philippines has created significant gains in poverty reduction, with poverty rates dropping by over 50% in the last decades. The rapid growth of the middle class and domestic consumption in the Philippines, however have contributed towards significant levels of waste which the country is unable to manage.

Already one of the most climate vulnerable countries in the world, the Philippines seeks to secure its long-term socio-economic outlook by integrating more inclusive and sustainable models of development. To this end, the Philippines has recognized the importance of transitioning towards a circular economy, aiming to minimize waste, promote resource efficiency, and create a closed-loop system where resources are reused, recycled, or regenerated.

The circular economy approach involves the following facets:

* Reducing waste generation: Implementing waste management strategies such as recycling, composting, and waste reduction measures to minimize the amount of waste produced.
* Promoting resource efficiency: Encouraging the efficient use of resources through sustainable production and consumption practices, as well as adopting technologies and processes that optimize resource utilization.
* Encouraging circular business models: Supporting and promoting businesses that adopt circular principles, such as product redesign, remanufacturing, repair, and sharing economy models.
* Enhancing recycling and waste management infrastructure: Improving recycling facilities, waste segregation systems, and promoting proper waste disposal practices to facilitate the recycling and recovery of valuable resources.
* Fostering collaboration and partnerships: Encouraging collaboration between government agencies, private sector stakeholders, academia, and civil society to drive innovation, knowledge-sharing, and collective action towards a circular economy.

By transitioning to a circular economy, the Philippines aims to achieve sustainable and inclusive growth, reduce environmental impacts, create new economic opportunities, and improve the well-being of its people while preserving and restoring the country's natural resources.

**The Project**

The purpose of the EU-PH Partnership for Green Economy Programme is to support the Philippines’ transition towards a green economy, including circular economy, reducing waste and plastic, as well as to increase energy efficiency and renewable energy deployment to support climate change mitigation.

The action tackles three main levels:

1. Establishing a Policy Dialogue Platform at central government level to facilitate policy formulation, improve city to city collaboration through supporting the development of a National Circular Economy Strategy and Roadmap, extend dialogue to promote renewable energy/energy efficiency and to apply the dialogue’s outcomes (linked to Specific Objective 1 of the action);
2. Working with Local government units (LGUs) to define and implement circular economy, climate change and energy policies with a human rights and gender - responsive perspective, including outreach and support of local business and civil society (linked to Specific Objective 2 of the action);
3. Enhancing engagement of the private and financial sectors into the circular waste economy creating better conditions for private sector investment by supporting business driven waste reduction strategies and circular solutions in the production process (linked to Specific Objective 3 of the action).

Expertise France (EF) is engaged on Specific Objective 3 (SO3), related to private sector engagement. SO3 will include the following two outputs:

* Output 1: Support for the development of eco-enterprises, through entrepreneurship, innovation, and transformation of MSME’s
* Output 2: Support for the development of green infrastructure projects which delegate waste management services to the private sector

The Output 2 component aims to develop infrastructure and service projects in the solid waste management (SWM) sector towards the promotion of a circular economy. The project will focus on supporting the establishment of public-private partnership (PPP) projects in green infrastructure which delegate waste management services to the private sector. EF will provide expertise and finance feasibility studies in order to accompany these projects from the planning and pipeline development stage, through the transaction phase. In addition, the integration of informal waste workers (IWW) into green infrastructure projects will be taken into account throughout the implementation of project activities.

The implementation of the activities as part of Output 2 will be implemented in close collaboration with the Public-Private Partnership (PPP) Center of the Philippines. The PPP Center serves as the central coordinating and monitoring agency for all PPP projects in the Philippines. In accordance with the PPP Code and its implementing rules and regulations (IRR), the PPP Center is mandated to facilitate the implementation of the country’s PPP Program and Projects. It champions the country’s PPP Program by enabling implementing agencies in all aspects of project preparation, managing the Project Development and Monitoring Facility (PDMF), providing projects advisory and facilitation services, monitoring and empowering agencies through various capacity building activities.

1. **Objectives and desired results**
   1. **General objective**

The objective of the assignment is to support pilot local government units (LGUs) in charge of waste services to make better use of public contract tools (classic public procurement and PPPs) in the preparation of their projects as well as the PPP Center in charge of making available local authorities with tools and guidelines as well as organizing trainings.

* 1. **Specific objectives**

The technical support will be carried out via knowledge sharing, seminars, trainings, technical studies and municipalities’ team mentoring on the operationalizations of the projects.

Specific objectives are:

* Technical capacity building: capacity building through the design and delivery of trainings, workshops and webinars on PPP projects in the SWM sector;
* Knowledge sharing and institutional cooperation: peer sharing experience for local government units (LGUs) and the PPP Center of the Philippines through supporting the organization of a study tour (destination to be confirmed);
* Technical support to pilot projects: provision of technical assistance to local government units (LGUs) in the assessment of needs and identification of green infrastructure projects, as well as in the structuring of the PPP projects and in the transaction and procurement phases of the solid waste management infrastructure projects;
* Technical support to PPP Center and local government units (LGUs): elaboration of step-by-step technical guides and notes relevant to the preparation of PPP projects in the SWM sector.
* Preliminary study of Waste to Energy (WtE) technologies options for MSW management : the objective is to develop a preliminary assessment of relevant WtE technologies for MSW management, and their applicability to the Philippines’ context. The study will provide a preliminary analysis of potential opportunities, challenges, and critical considerations for the deployment of WtE solutions, while evaluating their environmental, economic, and social impacts.
  1. **Anticipated results**

The following results are anticipated to be achieved through the present assignment:

* 2 capacity building events (training workshops and/or webinars) have been successfully designed and delivered to target beneficiaries (LGUs and PPP Center);
* 2-3 Local government units (LGUs) are provided with specific tools and technical guidelines and notes for the use of public contract tools in the SWM sector (PPP or classic public procurement based on results and recommendations from a feasibility study);
* 2-3 pilot green infrastructure projects have been supported from project identification to procurement phase;
* A study tour is conducted to promote peer sharing experience on PPP projects in SWM;
* A preliminary study on Waste to Energy (WtE) technologies is developed.

1. **Description of the assignment**
   1. **Planned activities**

The service provider must support the implementation of Output 2 interventions in line with the overall work plan and defined methodology in order to perform the following activities:

**Assignment preparation:**

* Activity 1: Examine the pertinent documentation, and review of baseline data collected on the current status of municipal solid waste management (MSWM) infrastructure in target LGUs and territories;
* Activity 2: Identification and consolidation of specific needs of the LGUs in terms of green infrastructure for an enhanced MSWM system;
* Activity 3: Preliminary recommendations on potential PPP projects solutions meeting the needs of the target LGUs and territories, taking into account specific contexts, waste characterization and volumes. This includes an initial recommendation of suitable technologies for the management and treatment of MSW, with related technical considerations on applicability, viability and implications, as well as expected environmental benefit and eventual associated risks to be considered;
* Activity 4: Participate in eventual consultations with relevant stakeholders. This may include, but not limited to, local authorities, private sector entities, and the PPP Center of the Philippines.

**Part I: Technical Capacity Building:**

* Activity 5: In close collaboration with the EF team in Manila and the PPP Center of the Philippines, design and implement a capacity building trainings and workshops on PPP projects in the SWM sector, with LGUs as main target beneficiaries. The trainings and workshops may encompass several aspects of the development and implementation of PPP projects. This may include, but not limited to: i) overview of PPP projects characteristics and specificities for the SWM sector; ii) PPP projects lifecycle and specific issues and challenges for the SWM sector; iii) presentation of successful case studies on PPP projects in SWM; iv) processes and best practices for the identification of PPP projects in SWM; v) key aspects for the redaction of PPP projects concept notes for the definition of PPP projects; vi) facilitation of practical exercises and group-work for the development of projects’ concept note;
* Activity 6: Provide follow-up support to target beneficiaries in their effort to redact concept notes for their PPP projects in SWM.
* Activity 7: Provision of technical support for the organization of a study tour. This includes:
  + Identification of relevant PPP infrastructure projects in SWM to be considered for an institutional peer-exchange study tour (based on similarities with shortlisted projects as output of Activity 9). Preference is given to infrastructure projects implemented by European private sector actors in ASEAN or EU countries;
  + In close collaboration with EF team, support the coordination with relevant institution and private sector actors for the organization and implementation of a study tour.

**Part II: Technical Support to Pilot Projects**

* Activity 8: Revision and provision of technical input for the finalization of a multi-criteria screening methodology and tool for the selection and shortlisting of PPP projects to be subjected to a comprehensive feasibility study;
* Activity 9: In line with the processes and methodology adopted by the PPP Center of the Philippines, support the evaluation and shortlisting of PPP projects to be further supported with a technical feasibility study. This includes a field mission to potential PPP projects sites, with and pre-feasibility assessment of the potential PPP projects;
* Activity 10: Based on the context of selected pilot PPP projects, redaction of a preliminary set of recommendations for key aspects to consider for further assessment through in-depth feasibility studies for 2-3 shortlisted PPP projects in SWM;
* Activity 11: Provision of follow-up support to shortlisted PPP projects undergoing feasibility study. This includes the elaboration of step-by-step technical guides and notes relevant to the preparation of PPP projects in the SWM sector (focus of the technical guides and notes will be identified in collaboration with EF team, the target beneficiaries, and the PPP Center of the Philippines based on specific identified needs).
* Activity 12: Based on key findings from pilot PPP projects feasibility studies, compilation of a set of recommendations for the promotion of the engagement of informal waste workers (IWW) in local green infrastructure projects.

**Part III: Preliminary Study on WtE Technologies**

* Activity 13: preliminary assessment of relevant WtE technologies for MSW management, and their applicability to the Philippines’ context. The study will provide a preliminary analysis of potential opportunities, challenges, and critical considerations for the deployment of WtE solutions, while evaluating their environmental, economic, and social impacts. The preliminary study shall focus on:
  + Technologies review and benchmarking: analysis of key WtE technologies (such as incineration, anaerobic digestion, refuse-derived fuel (RDF), gasification, and pyrolysis), detailing their key operational and technical requirements, efficiency, environmental footprint;
  + Criticalities and Challenges: Identification of potential issues, such as waste composition suitability, investment costs, community acceptance, environmental risks, and governance challenges;
  + Opportunities and Benefits: Evaluation of potential advantages for the MSWM sector, including energy recovery potential, landfill diversion, greenhouse gas reduction, and contribution to circular economy objectives.
  + Comparative Pros & Cons Analysis: a short comparative assessment of each WtE technology, highlighting the economic, technical, and environmental trade-offs for the Philippines.
  1. **Anticipated deliverables**

Please refer to the table below as an indicative timeframe for the assignment.

|  |  |
| --- | --- |
| Deliverables | End date |
| 1. Deliverable 1 (for Activities 1-2-3-4): Analytical report of reviewed baseline data on the current status of MSWM infrastructure in target LGUs. The report shall include the review and identification of specific infrastructure needs and a preliminary set of recommendations for PPP interventions and related applicability for waste treatment technologies. The report shall be accompanied by a simplified presentation to facilitate stakeholder consultation and validation. | T0 + 1 month |
| 1. Deliverable 2 (Activity 5): Finalization of a trainings and workshops material design and successful delivery of a trainings and workshop sessions on PPP projects in SWM as defined in Activity 5. For each training/worshop organized and implemented, key deliverables are: i) technical training content in the form of a .ppt presentation; ii) list of attendees to the training/workshop; iii) Narrative report of the activities implemented as part of the training/workshop session. | T0 + 12 months |
| 1. Deliverable 3 (Activity 6): Successful development of PPP projects concept notes to be subjected to a multi-criteria screening and shortlisting process (at least five concept notes from five LGUs). | T0 + 4 months |
| 1. Deliverable 4 (Activity 7): Successful implementation of a peer-exchange study tour to an ASEAN or EU country (including a study tour report documentation). | T0 + 12 months |
| 1. Deliverable 5 (Activity 8): technical input and review of a multi-criteria screening methodology and tool for the shortlisting of potential PPP projects in SWM. | T0 + 2 months |
| 1. Deliverable 6 (Activities 9-10): Review of submitted concept notes and results from multi-criteria analysis of proposed PPP projects and preparation of a summary report containing an initial set of recommendation for key aspects to be assessed during in-depth feasibility studies on 2-3 shortlisted PPP projects. | T0 + 5 months |
| 1. Deliverable 7 (Activity 11): Comprehensive report including developed step-by-step technical guides and notes relevant to the preparation of PPP projects in the SWM sector (focus of the technical guides and notes will be identified in collaboration with EF team, the target beneficiaries, and the PPP Center of the Philippines based on specific identified needs) | T0 + 24 months |
| 1. Deliverable 8 (Activity 12): Summary report including a set of recommendations for the engagement of informal waste workers (IWW) in the envisaged PPP projects (in alignment with available results from implemented feasibility studies). | T0 + 20 months |
| 1. Deliverable 9 (Activity 13): Summary report of preliminary study on WtE technologies. | T0 + 7 months |

* 1. **Coordination**

The service provider shall designate a single contact person for project implementation purposes.

Ms Marie Maylis Charlat of the Sustainable and Inclusive Economy Department will be the service provider’s sole contact person for Expertise France

Tel:

E-mail: maylis.charlat@expertisefrance.fr

A launch meeting shall be held approximately 2 – 5 days after the contract award has been notified.

Close collaboration must take place with the project team based in Manila, the support team from EF headquarters in Paris, and Philippines PPP Center personnel from assignment preparation right up to completion.

1. **Place, duration and terms of performance**
   1. **Implementation period:** 2 years
   2. **Start date:** 01 June 2025
   3. **End date:** 30 June 2027
   4. **Effective duration per assignment:**  Please refer to the table below for the indicative duration per assignment
   5. **Schedule/programme:**

The provisional programme for assignment implementation is as follows:

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| --- | --- | --- | --- |
| **Activity** | **Place** | **Period** | **Duration (man/days) Indicative** |
| Activity 1: Examine the pertinent documentation, and review of baseline data collected on the current status of municipal solid waste management (MSWM) infrastructure in target LGUs and territories | Remote | June-July 2025 | 10 |
| Activity 2: Identification and consolidation of specific needs of the LGUs in terms of green infrastructure for an enhanced MSWM system | Remote + Field Mission to the Philippines | June-July 2025 | 10 |
| Activity 3: Preliminary recommendations on potential PPP projects solutions meeting the needs of the target LGUs and territories, taking into account specific contexts, waste characterization and volumes | Remote | June-July 2025 | 10 |
| Activity 4: Participate in eventual consultations with relevant stakeholders. This may include, but not limited to, local authorities, private sector entities, and the PPP Center of the Philippines | Remote + Field Mission to the Philippines | June-July 2025 | 10 |
| Activity 5: In close collaboration with the EF team in Manila and the PPP Center of the Philippines, design and implement a capacity building trainings and workshop on PPP projects in the SWM sector, with LGUs as main target beneficiaries. | Remote + Field Mission to the Philippines | September 2025-July 2026 | 20 |
| Activity 6: Provide follow-up support to target beneficiaries in their effort to redact concept notes for their PPP projects in SWM | Remote | July-October 2025 | 20 |
| Activity 7: Provision of technical support for the organization of a study tour. | Remote + Mission to Study Tour Destination Country (to be identified) | November 2025 – June 2026 | 15 |
| Activity 8: Revision and provision of technical input for the finalization of a multi-criteria screening methodology and tool for the selection and shortlisting of PPP projects | Remote | June-July 2025 | 5 |
| Activity 9: Support the evaluation and shortlisting of PPP projects to be further supported with a technical feasibility study | Remote | July-October 2025 | 5 |
| Activity 10: Redaction of a preliminary set of recommendations and attention points for further assessment through in-depth feasibility studies for 2-3 shortlisted PPP projects in SWM | Remote | September – November 2025 | 10 |
| Activity 11: Provision of follow-up support to shortlisted PPP projects undergoing feasibility study. This includes the elaboration of step-by-step technical guides and notes relevant to the preparation of PPP projects in the SWM sector | Remote + Field Mission to the Philippines | November 2025 – May 2027 | 30 |
| Activity 12: Based on key findings from pilot PPP projects feasibility studies, compilation of a set of recommendations for the promotion of the engagement of informal waste workers (IWW) in local green infrastructure projects. | Remote | December 2025 – March 2027 | 5 |
| Activity 13: Preliminary study on WtE technologies for MSW management | Remote | June 2025 – December 2026 | 25 |
| **Total** | **Remote + Field Missions** | **June 2025 – May 2027** | **175** |

1. **Required expertise and profile**

The selected service provider must possess strong expertise in solid waste management (SWM), circular economy, and Public-Private Partnerships (PPP), particularly in the context of infrastructure project development, feasibility studies, and capacity building for local governments. The expert(s) must also demonstrate experience in working with international development projects, private sector engagement, and public-sector institutions, ideally in the Southeast Asian region, with a focus on the Philippines.

* 1. **Number of experts per assignment:** 1
  2. **Profile of the designated expert(s) responsible for contract execution**

1. Qualifications and skills:

* Advanced university degree (Master’s level or higher) in engineering, environmental sciences, economics, public policy, finance, or a related field.
* Strong knowledge of PPP models, public procurement mechanisms, and waste management infrastructure projects.
* Excellent analytical and problem-solving skills, with the ability to conduct feasibility assessments and financial/economic analyses of infrastructure projects.
* Strong communication and facilitation skills, with experience in delivering trainings, workshops, and technical assistance.

Demonstrated ability to coordinate multi-stakeholder processes, including public authorities, private sector actors, and development partners.

* Proficiency in English (written and spoken) is required.

1. General professional experience

* At least 10 years of professional experience in infrastructure project development, public-private partnerships, or solid waste management.
* Proven experience in advising local government units (LGUs) or public agencies on waste management strategies, PPP project structuring, and policy development.
* Experience in technical capacity building, including the design and facilitation of workshops, seminars, and peer-learning events.
* Experience in working with international donors and public-sector institutions on infrastructure or waste management projects.

1. Specific professional experience

* At least 5 years of direct experience in solid waste management infrastructure projects, preferably including PPP feasibility studies, procurement processes, and project structuring.
* Experience in conducting multi-criteria analysis and pre-feasibility assessments for infrastructure projects.
* Experience in supporting or advising PPP Centers, municipal authorities, or public institutions on PPP project identification, design, and implementation.
* Demonstrated experience in the integration of informal waste workers (IWW) into municipal solid waste management systems is an asset.
* Experience in organizing and leading study tours or peer-learning exchanges on PPP projects related to SWM is desirable.
* Experience working in the Philippines or Southeast Asia is strongly preferred.

1. **Assignment reports**

Reports developed for each specific deliverable will be reviewed by EF team for final approval of satisfactory quality of results achieved. The service provider must ensure all input, comments, and suggested revisions from EF team are incorporated in the final reports.

A final report following the model provided must be forwarded by e-mail on conclusion of the assignment. The final report must include a comprehensive narrative and reporting of all reports developed during the assignment for all deliverables.

1. **Monitoring-evaluation**

**Performance indicators**

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| --- | --- | --- |
| Deliverables | Immediate effects | Verification sources |
| Deliverable 1 (for Activities 1-2-3-4) | Baseline data on current status of MSWM in target LGUs are analyzed. A set of recommendations is proposed for PPP interventions in SWM for target LGUS, which includes a review of potential waste treatment technologies applicable for the context. | * Activity report * PPT presentation for dissemination of key findings and recommendations |
| Deliverable 2 (Activity 5) | Training and workshop sessions on PPP projects in SWM are successfully designed and delivered (at least 2) to target beneficiaries. | * Training materials in the form of a .ppt presentation; * list of attendees to the training/workshop; * Narrative report of the activities implemented as part of the training/workshop session. |
| Deliverable 3 (Activity 6) | PPP projects concept notes are developed and submitted by LGUs | * At least 5 PPP projects concept notes documents |
| Deliverable 4 (Activity 7) | Study tour to an ASEAN or EU country is successfully organized and implemented | * Narrative report of the study tour |
| Deliverable 5 (Activity 8) | A draft multi criteria screening methodology for the shortlisting of PPP pilot projects for feasibility study is reviewed, and technical input are provided | * Document containing list of technical input to an existing draft screening methodology |
| Deliverable 6 (Activities 9-10) | A list of recommendations is developed for key aspects to be considered and assessed during technical feasibility studies for 2-3 shortlisted PPP pilot projects. | * Document containing list of recommendations for key aspects of feasibility studies |
| Deliverable 7 (Activity 11) | Technical guidelines and notes are developed to support the development of PPP projects in SWM in target LGUs | * Technical guidelines document report * PPT presentation for dissemination of technical guidelines to target audience |
| Deliverable 8 (Activity 12) | Recommendations for the engagement of informal waste workers into SWM infrastructure projects are developed and disseminated. | * Narrative report * PPT presentation for dissemination of recommendations to target audience |
| Deliverable 9 (Activity 13) | Preliminary study for WtE technologies for MSW management is developed | * Report * PPT presentation for dissemination of recommendations |

1. **Practical information**

The service provider must ensure regular and effective coordination with EF team in Manila, under the overall supervision of the SO3\_Output 2 leader and SO3 Project Lead.

Field missions to the Philippines, including international and domestic travel arrangements, will be organized and covered by Expertise France. In addition, a per diem will be provided to experts during their missions in accordance with Expertise France’s travel policy. Therefore, the consultant(s) should not include travel-related costs (flights, accommodation, per diem) in their financial proposal, as these will be managed directly by Expertise France.