

Projet FFEM – SupMed - N° du projet CZZ 2476.01G  
Stratégies collectives et contextualisées pour promouvoir une production agricole résiliente et durable dans les zones rurales Méditerranéennes

## **Terms of Reference for a Request for Quotation (RFQ) for the commissioning of a softwood cuttings nursery in Hermel - Lebanon**

### **1. Context and objectives of the SupMed project and context of the commissioning of a softwood cuttings nursery**

The SupMed project is funded by the French Facility for Global Environment (FFEM, or *Fond Français pour l'Environnement Mondial*) and coordinated by the CIHEAM-IAMM. It aims to support farmers in Egypt and Lebanon in the implementation of adaptation and mitigation strategies for climate change.

It concerns the Luxor Governorate in Egypt and the Beqaa valley in Lebanon, two areas marked by significant levels of poverty, public agricultural advisory systems undergoing restructuring and a risk of natural resource overexploitation (water and soil) aggravated by climate uncertainty. In Lebanon as in Egypt, private and public agricultural advisory services rely on capacity development as well as a frame of reference to a significant degree in relation to the implementation of strategies for dealing with climate change.

The SupMed project aims to structurally and sustainably reduce the overexploitation of water resources and improve the income of farm households. For that purpose, it will put forward, implement and assess integrated, agronomic and socio-economic initiatives based on agro-ecology in order to reduce water dependency in each of the project territories. These initiatives will be jointly developed with local stakeholders and adapted to the context of the two territories involved: the Luxor Governorate and the Beqaa valley.

The SupMed project also supports the development of a collective farmer support service structure. In Lebanon, we decided to set up a nursery dedicated to growing and providing farmers with stem cuttings (above all olive trees) that are both certified and adapted to local biophysical conditions.

The olive sector is considered as one of the main agricultural sectors in Lebanon. Olive orchards cover 62,000 hectares, which is equivalent to 23% of the total Utilized Agricultural Area of Lebanon, and 45% of the total area dedicated to permanent crops. These orchards spread from north (Akkar, Zogharta and Koura) to south (Tyre and Hasbay-Marjeoun), and have recently been found in regions not usually known for olive cultivation, such as Baallbeck and Hermel.

The rapid growth of olive planting in the Hermel area in the last two decades is remarkable. The farmers sourced olive seedlings from multiple sources, mainly from the following:

1. The Ministry of Agriculture, which used to purchase olive seedlings from nurseries in the Nabatieh region and distribute them to municipalities, local associations, cooperatives or directly to farmers in all Lebanese regions.
2. Syrian nurseries across the borders (public and private)
3. Private Lebanese nurseries.

However, there were always concerns about the quality of these seedlings, especially for lack of certification in terms of variety and pest/disease-free status.

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The Union of Cooperatives in Beqaa has been paying special attention to the olive sector in the region for many years. In addition to providing extension services to olive growers, the Union has set up a modern olive mill on its premises in the village of Qasr . It has also provided Organic Certification to organic olive producers.

#### **Objectives of the softwood cuttings nursery:**

Propagation is an integral part of the value chain of olive production and the first step towards the implantation of the olive tree crop or the renovation of existing orchards. The Union of Cooperatives in Beqaa aims to construct an olive tree nursery on its premises, which will use the technology of softwood cuttings propagation to supply farmers with high quality seedlings.

Providing quality seedlings by using softwood cuttings is crucial for farmers due to the main following reasons:

- a. It guarantees the uniformity and the reliable varietal origin of olive trees, and helps select varieties that are resilient to severe dry conditions which prevail in the Hermel region.
- b. This is essential for the successful establishment of healthy and productive orchards in the future, and for reducing the spread of pests and diseases, which influences the whole life of the orchard, its management and profitability.
- c. It helps determine the cultural practices needed within the dominating bio-physical context, in a region classified by the Ministry of Agriculture as the most desertification-prone area in the country.

Using softwood cuttings makes it possible to produce more seedlings per unit area, with lower costs compared to conventional seedling production practices, and over much shorter periods. The nursery would also help to propagate other types of trees, food and medical plants that have important economic value in addition to their adaptability and resilience to the harsh dry conditions and degraded soils which dominate most of the Hermel area (ex. grapes, figs, capers, thyme, ...etc).

## **2. Objectives of the Request for Quotation**

The present Terms of Reference concerns the modalities for the commissioning of a softwood cuttings nursery in the Hermel Farm Service Centre (FSC) of Kaser-Hermel, Lebanon. This nursery is reserved for the production and sale of trees seedlings (primarily organic) and/or adapted to the desert climate of the Baalbek-Hermel governorate.

The request for quotation concerns the following items:

- a) The construction of a 412-square meter vertical greenhouse with an irrigation system.
- b) The installation of a solar pumping system to provide the project with power. The region of Hermel is seldom provided with electricity, and using a diesel generator would be costly, both economically and environmentally.

The nursery will be located within the Hermel Farming Service Center (FSC) (see plans and plot location in Appendix 1).

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**The nursery should be operational by June 2022.**

Candidate service providers must meet the requirements of the ToR for the commissioning of these facilities.

The service provider must be able to use the materials and equipment indicated in the technical specifications described in Appendix 1, as well as the know-how needed for the commissioning of the nursery and the solar power supply system. He/she must respect the delivery and completion schedule defined with the CIHEAM IAMM coordinator and project owner upon signature of the contract.

**3. Description of the services required**

The service provider will be required to provide the following services and equipment:

- The supply and installation of equipment as described in the technical specifications in Appendix 1
- The execution or supervision of the on-site assembly of the equipment, and its commissioning.
- Carrying out the necessary tests and inspections for the commissioning of the equipment
- Supplying the necessary tools for the assembly and/or maintenance of the equipment
- Supplying the detailed operation and maintenance manual for each relevant item of equipment
- The on-site training of the Hermel FSC staff for the assembly, commissioning, operation, maintenance and repair of the equipment (greenhouse, irrigation system, solar system).
- The transport and insurance of the equipment, including insurance paid to destination (Incoterms CIP Carriage Insurance Paid to). The insurance of supplies and equipment against loss or damage arising from their manufacture or acquisition, transportation, storage, delivery and installation.
- The equipment shall be guaranteed for a period of 10 years.

**4. Provisional delivery and completion schedule:**

The dates given in the present ToR are tentative and will be firmly and definitely updated upon signature of the contract.

- 15<sup>th</sup> April to 30<sup>th</sup> April: finalisation of the contract between CIHEAM IAMM and the contractor
- 1<sup>st</sup> to 30<sup>th</sup> May: delivery and installation of the nursery, irrigation system and solar power system
- 1<sup>st</sup> to 15<sup>th</sup> June: testing of materials and equipment and on-site training of workers and engineers
- 15<sup>th</sup> to 30<sup>th</sup> June: commissioning of the nursery, irrigation system and solar power system.

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#### 5. Profile required

The service provider must:

- have a status allowing him/her to organise and commission similar equipment and supplies in the project area and/or in Lebanon.
- have a status allowing him/her to: organise and order/deliver, ensure and guarantee the commissioning of such equipment or equivalent activities
- have experience in the commissioning of equivalent equipment and supplies in the project area, the Beqaa valley and target villages and/or in Lebanon. At least 5 years of experience.
- be able to receive payments in euros into his/her bank account and to issue invoices in euros.

#### 6. How to apply?

The applicant should send the following address: [cobacho@iamm.fr](mailto:cobacho@iamm.fr)

- A technical proposal describing
  - o The different stages of the construction of the greenhouse and the solar power system
  - o The supplier's recent references and experience for similar services (maximum 3 pages)
  - o The CVs of those involved and the sharing of responsibilities
- A quotation specifying the cost (VAT-exclusive and VAT-inclusive) of the equipment, supplies and working time invoiced according to the format in Appendix 2; the price must be firm and definitive.

The quotation must include the following documents:

- The company registration number or its local equivalent as proof of its legal existence.
- Full bank details of the service provider: IBAN, SWIFT code, name and address of his/her bank
- A dated and signed copy of the document entitled "*Declaration of integrity, eligibility and social and environmental responsibility of the beneficiary*" (see Appendix 3 of the ToR) in accordance with the AFD procurement guidelines referred to by the FGEF, the SupMed project's financial backer.

#### 7. Selection procedure and method:

**The deadline for sending the quotations is April 15<sup>th</sup> 2022**

The selection will be based on the lowest bid method.

**The prices must be fixed and final, the offer will be valid until December 2022.**

The candidates will be informed by e-mail of the results of the selection 10 days after the submission of the offers at the latest.

The selected candidate will be issued a contract with the CIHEAM IAMM specifying the final delivery and completion schedule for the nursery and solar panel installation, as well as the



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terms of payment. This contract will be valid until all the services requested have been provided.

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## **Appendix 1: Technical specifications for the commissioning of a greenhouse and a solar power system in the Hermel FSC**

### **I. ARTICLE: Vertical Greenhouse ( 1 greenhouse )**

The structure has an area of:  $8\text{m} \times 51.5 = 412 \text{ sqm}$

#### **A. Dimensions and options:**

- Width of the greenhouse	8 m
- Length of the greenhouse	41.5 m
- Total Area	412 m <sup>2</sup>
- Distance between arches	2.50 m (except the first and the last one of 2.0 m)
Maximum Height	4 m

#### **B. Technical specifications of the greenhouse Structures**

##### 1- GALVANIZED TUBES:

- All metal frames are made of tubes made of galvanized steel according to EN10142, zinc coating 275 gr/m<sup>2</sup>, dimensions according to EN10219 or Din 17162.  
All items are tested in the laboratory according to ISO EN17025:
  - a- Mechanical test according to EN 10002-1
  - b- Chemical test according to CR-10261
  - c- Bending test according to ISO 8491
  - d- Flattening test according to ISO 8492
  - e- Impact test according to EN 10045

##### 2- PILLARS

Pillars are made of galvanized tubes 60mm x 1.8mm  
Pillars are set in bases. Bases fixed by a concrete foundation 55 cm deep in the soil.

##### 3- ARCHES

Arches are made of galvanized tubes 60mm x 1.5 mm.

##### 4- CROP HOLDERS:

Crop holder, at each truss, at the top of the pillars, is constituted of 32mm x 1.5mm steel tubes.

##### 5- HOOK:

Hook for crop holder constituted of a 32mm x 1.5 mm steel tube

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**6- POLYESTER WIRE**

Polyester wires all over the arches 32 lines/greenhouse to fix the cover.

**7- COVER**

The greenhouse will be covered by Polyethylene 200 microns, made in Lebanon with the following specifications:

- a- 200 microns
- b- 3 layers, thermal
- c- 33 months' guarantee

**8- DOORS**

1 “sliding door” 2m width will be installed per greenhouse, covered by polyethylene.

**9- SIDE OPENING**

2 side openings will be installed without gear box

All the openings will be equipped with European-made nets (16x10) .

**II. ARTICLE: Irrigation system for the greenhouse**

Description	Quantity	Unit
1- Wise pipe 50mm – PN6	15	Meter
2- Wise pipe 25mm – PN4	175	Meter
3- Aquamist complete with blue nozzle	75	Pieces
4- Saddle 50 x 3/4”	3	Pieces
5- Nipple 3/4” x 3/4”	3	Pieces
6- Plastic valve 3/4”	3	Pieces
7- Male Adapter 25x3/4”	3	Pieces
8- Elbow coupling 25x25	3	Pieces
9- Terminal Adaptor 50mm	1	Pieces
10- Male Adaptor 50 x 1 1/2”	1	Pieces
11- Plastic valve 1 1/2”	1	Pieces
12- Coupling 25x 25	3	Pieces

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<b>Specifications (Based on formula given in DIN 8074)</b>								
<b>Nominal O.D. of pipe (mm)</b>	<b>Series 3 (W.P. = 4 Bar)</b>		<b>Series 4 (W.P. = 6 Bar)</b>		<b>Series 5 (W.P. = 10 Bar)</b>		<b>Series 6 (W.P. = 16 Bar)</b>	
	<b>W.T. (mm)</b>	<b>Weight (Kg/m)</b>	<b>W.T. (mm)</b>	<b>Weight (Kg/m)</b>	<b>W.T. (mm)</b>	<b>Weight (Kg/m)</b>	<b>W.T. (mm)</b>	<b>Weight(Kg/m)</b>
16	–	–	–	–	2.0	0.091	2.9	0.121
20	–	–	–	–	2.0	0.117	2.9	0.158
25	–	–	2.0	0.150	2.3	0.171	3.6	0.245
32	–	–	2.0	0.196	3.0	0.279	4.5	0.393
40	2.0	0.248	2.3	0.285	3.7	0.430	5.7	0.617
50	2.0	0.314	2.9	0.440	4.6	0.666	7.1	0.961
63	2.5	0.494	3.6	0.688	5.8	1.05	8.9	1.51
75	2.9	0.675	4.3	0.976	6.9	1.48	10.6	2.14
90	3.5	0.978	5.1	1.39	8.2	2.12	12.7	3.07
110	4.3	1.46	6.3	2.08	10.0	3.14	15.5	4.58
125	4.9	1.88	7.1	2.66	11.4	4.08	17.6	5.90
160	6.2	3.04	9.1	4.35	14.6	6.67	22.5	9.67
180	–	–	10.2	5.43	16.4	8.42	–	–
200	7.7	4.69	11.4	6.79	18.2	10.4	27.6	14.9
225	8.7	5.96	12.8	8.55	20.5	13.1	–	–
250	9.7	7.37	14.2	10.50	22.8	16.2	34.5	23.2

<b>ISO 4427, DIN 8074</b>		
<b>PE 100</b>		
<b>O.D. (mm)</b>	<b>PN 10 W.T(mm)</b>	<b>PN 16 W.T(mm)</b>
32	2.3	3.0
40	2.4	3.7
50	3.0	4.6
63	3.8	5.8
75	4.5	6.8
90	5.4	8.2
110	6.6	10.0
125	7.4	11.4
140	8.3	12.7
160	9.5	14.6
180	10.7	16.4
200	11.9	18.2
225	13.4	20.5
250	14.8	22.7



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### **III. ARTICLE: Other**

- **PERLITE:**  
Composition of perlite: Silicium , Aluminium oxide , Iron oxide, Titanium dioxide, Lime, Magnesium oxide, Sodium oxide, Potassium.
- Peat (Tourbe):
- Hormone for roots
- Tank for water: 4,000 Litres, polyethylene 2 layers,
- Pump for water: pressure pump for irrigation system
- Plastic bag 1 litre and 3 litres: 1000 from each
- **Galvanized steel G 90:DIN EN 10220**
  - 1-Square tube 50mm x 50mm galvanized steel, Thickness: 2mm, length 6m.
  - 2-Steel tool: Length: 2m, width: 1m, thickness: 1mm.
  - 3-Grill galvanized steel: length: 2m, width: 1m, thickness:2.5mm.

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#### IV. SOLAR POWER SYSTEM

##### 1- INVERTER: (one inverter), POWER (nominal output: 5.5 KW)

##### A. Function parameters

AC Input Voltage (V)	220 (-15%) – 240 (+10%) (3PH)
MAX. DC Input Voltage (V)	440
Start-up voltage (V)	200
Lowest working voltage (V)	150
Recommended DC input voltage range (V)	200-400
Recommended MPP voltage (V)	330
Rated output voltage (V)	220 (3PH)
Output frequency range (Hz)	0-400
MPPT	99%
Environment temperature	-10°C - +50°C, if above 40°C, derate 2% for every additional 1°C
Altitude	Below 1000 m, if above 1000 m derate 1% for every additional 100m
Cooling manner	Fan cooling
Protection level	IP20, IP54 (Cabinet)

##### B. Rated specification parameters

Rated output power (KW)	Rated Input current (A)	Rated Output (A)
5.5	19.5A	14.0A

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## **2- SOLAR PANNEL: Monocrystallin PV Module (420) (40 PV modules)**

### **A. Mechanical Specifications**

Outer dimensions (L x W x H)	2015 x 996 x 35mm 79.33 x 39.21 x 1.38 in
Frame technology	Aluminium, silver anodized
Module composition	Glass / EVA/Backsheet (white)
Weight (module only)	23 kg/50.71 lbs
Front glass thickness	3.2 mm/0.13 in
Junction box IP rating	IP 65/67
Cable Length (IEC)	300/400 mm / 11.82/15.76 in
Cable diameter	12 AWG/4mm <sup>2</sup>
Maximum load capacity	5400 Pa
Fire performance (IEC)	Class c
Connector type (IEC)	MC4 compatible

### **B. Electrical specifications**

STC rated output (Pmpp)	420 Wp
PV Module size	2015*996*35MM
Standard sorted ouput	0/+5Wp
Warranted power output STC (Pnominal)	420 Wp
Rated voltage (Vmpp) at STC	41.3 V
Rated current (Impp) at STC	10.17 A
Open circuit voltage (Voc) at STC	49.7 V
Short circuit current (Isc) at STC	10.61 A
Module efficiency	20.93%
Rated output (Pmpp) at NOCT	316 Wp
Rated voltage (Vmpp) at NOCT	40.6 V
Rated current (Impp) at NOCT	7.79 A
Open circuit voltage (Voc) at NOCT	48.1 V
Short circuit current (Is) at NOCT	8.35 A
Maximum system voltage (IEC)	1000 V dc/1500 v dc
Number of diodes	3
Maximum series fuse rating	20 A

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## V. Plans of the FSC and plot location for the nursery

### A. Localization: Hermel (Lebanon)

- Latitude: 34.46354°
- Longitude: 36.42225°



Figure 1 Total surface area of the Centre

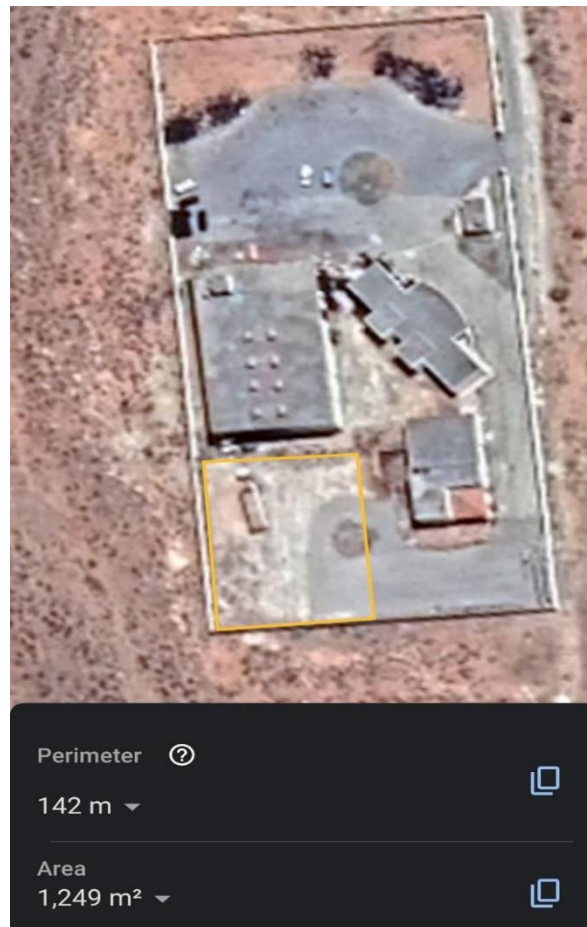


Figure 2 Planned surface area for the nursery

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*Figure and 4 : photos of the area*

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**Appendix 2: Quotation template**

Description of the equipment (see Appendix 1)	Dimensions	Unit (*)	Number of units	Unit Price CIP	Total cost in € excluding tax	Cost in €, including tax (**)
<b><i>I VERTICAL GREENHOUSE COMMISSIONING</i></b>						
1-GALVANIZED TUBES:						
<i>.... describe the equipment in accordance with the technical specifications in Appendix 1</i>						
...						
2-PILLARS						
...						
3-ARCHES						
....						
4-CROP HOLDERS						
....						
5-HOOK:						
...						

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6 POLYESTER WIRE						
....						
7- COVER						
....						
8- DOORS						
...						
9-SIDE OPENINGS						
....						
<b><i>II. IRRIGATION SYSTEM FOR THE GREENHOUSE</i></b>						
1 Wise pipe						
....						

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<b>III OTHERS</b>						
<i>Perlite</i>						
...						
<b>IV COSTS OF INSURANCE, MAINTENANCE, GUARANTEE for the vertical greenhouse and irrigation system</b>						
....						
<b>TOTAL COSTS FOR GREENHOUSE COMMISSIONING (I+II+III+•IV)</b>						
<b>V SOLAR SYSTEM COMMISSIONING</b>						
1- INVERTER						
....						
2- SOLAR PANNEL:						



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....						
<b>3 OTHER: insurance, maintenance, guarantee..(for the solar power system)</b>						
....						
<b>TOTAL COSTS for solar power system (1+2+...)</b>						
<b>TOTAL COSTS FOR GREEN HOUSE + SOLAR POWER SYSTEM COMMISSIONING</b>						

(\*) meters, pieces...

(\*\*) exchange rate to be applied: <https://www.reuters.com/markets/curre>

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**APPENDIX 3 - Project SupMed n°CZZ2476.01G - Statement of Integrity, Eligibility and Environmental and Social Responsibility**

Reference name of the bid or proposal: \_\_\_\_\_ for a Request for Quotation – “commissioning of a softwood cuttings nursery with a solar power system in Hermel” – *SupMed project n°CZZ 2476.01G financing by the Fond Français pour l’Environnement Mondial (FFEM)* (the "Contract")

To: **Centre International De Hautes Etudes Agronomiques Mediterraneenne De Montpellier – CIHEAM IAMM** (the "Contracting Authority")

1. We recognise and accept that *Agence Française de Développement ("AFD")* only finances projects of the Contracting Authority subject to its own conditions which are set out in the Financing Agreement which benefits directly or indirectly to the Contracting Authority. As a matter of consequence, no legal relationship exists between AFD and our company, our joint venture or our suppliers, contractors, subcontractors, consultants or subconsultants. The Contracting Authority retains exclusive responsibility for the preparation and implementation of the procurement process and performance of the contract. The Contracting Authority means the Purchaser, the Employer, the Client, as the case may be, for the procurement of goods, works, plants, consulting services or non-consulting services.

2. We hereby certify that neither we nor any other member of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations:

2.1 Being bankrupt, wound up or ceasing our activities, having our activities administered by the courts, having entered into receivership, reorganisation or being in any analogous situation arising from any similar procedure;

2.2 Having been:

a) convicted, within the past five years by a court decision, which has the force of *res judicata* in the country where the Contract is implemented, of fraud, corruption or of any other offense committed during a procurement process or performance of a contract (in the event of such conviction, you may attach to this Statement of Integrity supporting information showing that this conviction is not relevant in the context of this Contract);

b) subject to an administrative sanction within the past five years by the European Union or by the competent authorities of the country where we are constituted, for fraud, corruption or for any other offense committed during a procurement process or performance of a contract (in the event of such sanction, you may attach to this Statement of Integrity supporting information showing that this sanction is not relevant in the context of this Contract);

c) convicted, within the past five years by a court decision, which has the force of *res judicata*, of fraud, corruption or of any other offense committed during the procurement process or performance of an AFD-financed contract;

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2.3 Being listed for financial sanctions by the United Nations, the European Union and/or France for the purposes of fight-against-terrorist financing or threat to international peace and security;

2.4 Having been subject within the past five years to a contract termination fully settled against us for significant or persistent failure to comply with our contractual obligations during contract performance, unless this termination was challenged and dispute resolution is still pending or has not confirmed a full settlement against us;

2.5 Not having fulfilled our fiscal obligations regarding payments of taxes in accordance with the legal provisions of either the country where we are constituted or the Contracting Authority's country;

2.6 Being subject to an exclusion decision of the World Bank and being listed on the website <http://www.worldbank.org/debarr> (in the event of such exclusion, you may attach to this 33 ope-R2011a – Guidelines for the Procurement of AFD-Financed Contracts in Foreign Countries – V7

Statement of Integrity supporting information showing that this exclusion is not relevant in the context of this Contract);

2.7 Having created false documents or committed misrepresentation in documentation requested by the Contracting Authority as part of the procurement process of this Contract.

3. We hereby certify that neither we, nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants are in any of the following situations of conflict of interest:

3.1 Being an affiliate controlled by the Contracting Authority or a shareholder controlling the Contracting Authority, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;

3.2 Having a business or family relationship with a Contracting Authority's staff involved in the procurement process or the supervision of the resulting Contract, unless the stemming conflict of interest has been brought to the attention of AFD and resolved to its satisfaction;

3.3 Being controlled by or controlling another bidder or consultant, or being under common control with another bidder or consultant, or receiving from or granting subsidies directly or indirectly to another bidder or consultant, having the same legal representative as another bidder or consultant, maintaining direct or indirect contacts with another bidder or consultant which allows us to have or give access to information contained in the respective applications, bids or proposals, influencing them or influencing decisions of the Contracting Authority;

3.4 Being engaged in a consulting services activity, which, by its nature, may be in conflict with the assignments that we would carry out for the Contracting Authority;

3.5 In the case of procurement of goods, works or plants:

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a) Having prepared or having been associated with a consultant who prepared specifications, drawings, calculations and other documentation to be used in the procurement process of this Contract;

b) Having been recruited (or being proposed to be recruited) ourselves or any of our affiliates, to carry out works supervision or inspection for this Contract.

4. If we are a state-owned entity, and to compete in a procurement process, we certify that we have legal and financial autonomy and that we operate under commercial laws and regulations.

5. We undertake to bring to the attention of the Contracting Authority, which will inform AFD, any change in situation with regard to points 2 to 4 here above.

6. In the context of the procurement process and performance of the corresponding contract:

6.1 We have not and we will not engage in any dishonest conduct (act or omission) deliberately intended to deceive others, to intentionally conceal items, to violate or vitiate someone's consent, to make them circumvent legal or regulatory requirements and/or to violate their internal rules in order to obtain illegitimate profit;

6.2 We have not and we will not engage in any dishonest conduct (act or omission) contrary to our legal or regulatory obligations or our internal rules in order to obtain illegitimate profit;

6.3 We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to (i) any Person who holds a legislative, executive, administrative or judicial mandate within the State of the Contracting Authority regardless of whether that Person was nominated or elected, regardless of the permanent or temporary, paid or unpaid nature of the position and regardless of the hierarchical level the Person occupies, (ii) any other Person who performs a public function, including for a State institution or a State-owned company, or who provides a public service, or (iii) any other person defined as a Public Officer by the national laws of the Contracting Authority's country, an undue advantage of any kind, for himself or for another Person or entity, for such Public Officer to act or refrain from acting in his official capacity; 34

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6.4 We have not promised, offered or given and we will not promise, offer or give, directly or indirectly to any Person who occupies an executive position in a private sector entity or works for such an entity, regardless of the nature of his/her capacity, any undue advantage of any kind, for himself or another Person or entity for such Person to perform or refrain from performing any act in breach of its legal, contractual or professional obligations;

6.5 We have not and we will not engage in any practice likely to influence the contract award process to the detriment of the Contracting Authority and, in particular, in any anti-competitive practice having for object or for effect to prevent, restrict or distort competition, namely by limiting access to the market or the free exercise of competition by other undertakings;

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6.6 Neither we nor any of the members of our joint venture or any of our suppliers, contractors, subcontractors, consultants or subconsultants shall acquire or supply any equipment nor operate in any sectors under an embargo of the United Nations, the European Union or France;

6.7 We commit ourselves to comply with and ensure that all of our suppliers, contractors, subcontractors, consultants or subconsultants comply with international environmental and labour standards, consistent with laws and regulations applicable in the country of implementation of the Contract, including the fundamental conventions of the International Labour Organisation (ILO) and international environmental treaties. Moreover, we shall implement environmental and social risks mitigation measures when specified in the environmental and social commitment plan (ESCP) provided by the Contracting Authority.

7. We, as well as members of our joint venture and our suppliers, contractors, subcontractors, consultants or subconsultants authorise AFD to inspect accounts, records and other documents relating to the procurement process and performance of the contract and to have them audited by auditors appointed by AFD.

Name: \_\_\_\_\_ In the capacity of:

\_\_\_\_\_

Signature:

\_\_\_\_\_

Dated:

\_\_\_\_\_

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