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**IJMAA – ODOR CONTROL SYSTEM**

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JEBB JENNINE SOLID WASTE TREATMENT FACILITY

TENDER DOCUMENTS

Bid Conditions and procedures  
Conditions of Contract

Qualifications, Eligibility and  
Evaluation Criteria

## **BIDDING DATA SHEET**

The works include but not limited to:

- The construction of an odor control and treatment unit composed of a biofilter odor control system working on the basis of biofiltration, equipped with a pre-scrubber to humidify the inlet fouled air and in provision for peak ammonia and/or H<sub>2</sub>S concentrations; complete including all associated civil, electrical and mechanical works and including the installation of air extraction fans (centrifugal fans to extract the air from the facility composting plant, and axial fans to push air from the sorting hangar to the composting hangar; with their associated air extraction and collection systems) and other associated amenities as described elsewhere in these Tender Documents
- The closure of the sorting hangar, currently partially open, as well as the closure of the composting hangar to allow efficient air extraction from them
  - Testing and commissioning
  - Preparation of all necessary shop drawings, material / equipment submittals, operation & maintenance manuals, as-built documentation
  - Obligations during defects liability

3.1 Eligible bidders are: Contractors with experience in the construction of industrial buildings and industrial plants, and/or odor control and treatment systems; who meet the additional qualifying criteria listed herebelow.

3.3 The Bidder is considered acquainted with and aware of the laws in force in the Republic of Lebanon.

4.1 The countries and territories eligible under the under the Lebanese Law.

5.1(a) The bidder shall submit an official document issued by the Lebanese Ministry of Economy and Trade proving that foreign companies: “Partnership Limited by Shares (Société en Commandite par Action)” (شركة ذات مسؤولية محدودة) or “Stock Companies” (شركة مساهمة) or their branches in Lebanon, are registered in the Ministry of Economy and Trade. This document should be submitted before signing the contract to the awarded Bidder, if applicable.

**5.1(b) See additional condition as stated in Appendix 3 to Condition of Contract.**

5.1(c) A Bank certificate for access to liquid assets and/or evidence of access to or

availability of credit facilities of not less than **Three Hundred Thousand Dollars (300,000 USD)** or equivalent sufficient to meet the construction cash flow for the above contract. The bidder is requested to submit an original bank certificate .

5.1(d) Submission of proof of:

- a. **Average Annual Turnover** in construction works of average **1,000,000 USD (One Million USD) or equivalent over the past Five years**. The bidder is requested to provide **legally certified copies** of original auditor's reports;
- b. **General experience of a minimum of ten (10) years in the performance as a prime Contractor in the construction of industrial buildings and/or industrial plants, and/or odor control and treatment systems**. Experience as Contract Management and as Subcontractor will not be considered. The Contractor must provide evidence showing the required number of years .
- c. **Particular Experience** within the past 10 years as a prime Contractor and/or Joint Venture member <sup>(1)</sup> who has successfully completed at least the construction of three (3) **industrial buildings and/or industrial plants, and/or odor control and treatment systems**. Experience as Contract Management and as Subcontractor will not be considered.
- b'. **General experience** of a minimum of ten (10) years in the supply and installation of odor control and treatment systems of a similar type to the one proposed in the present project (bio filter odor control systems equipped with pre-scrubber, for solid waste treatment facilities).

This experience could be met by the bidder, or a designated supplier of bio filter odor control systems equipped with pre-scrubber, for solid waste treatment facilities (**Note: the designated supplier shall be from a Western-European country and shall be designated as a subcontractor in the Tender offer at the Tender stage**), with experience the supply and installation of odor control and treatment systems of a similar type to the one proposed in the present project (bio filter odor control systems equipped with pre-scrubber, for solid waste treatment facilities).

In all cases, this required experience shall be also met by the supplier of the bio filter odor control systems equipped with pre-scrubber, for solid waste treatment facilities.

- c'. **Particular Experience** within the past 10 years, has successfully completed at least the supply and installation of (3) odor control and treatment systems of a similar type to the one proposed in the present project (bio filter odor control systems equipped with pre-scrubber, for solid waste treatment facilities) of at least similar airflow capacity each (40,000 m<sup>3</sup>/h).

This experience could be met by the bidder, or a designated supplier of bio filter odor control systems equipped with pre-scrubber, for solid waste treatment facilities (**Note: the designated supplier shall be from a**

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1 For contracts under which the Applicant participated as a joint venture member, only the Applicant's share, by value, shall be considered to meet this requirement.

**Western-European country and shall be designated as a subcontractor in the Tender offer at the Tender stage),** with experience the supply and installation of odor control and treatment systems of a similar type to the one proposed in the present project (bio filter equipped with pre-scrubber, supplied for solid waste treatment facilities).

In all cases, this required experience shall be also met by the supplier of the bio filter odor control system equipped with pre scrubber, for solid waste treatment facilities.

**The identity and company profile of the supplier of the bio filter odor control system, and the evidence to the experience mentioned here above must be submitted at the Tender stage,** including among others:

- The project certificates as described hereafter
- Qualification
- Schedule
- Schedule (Manufacturers)
- Detailed description, details and characteristics of the complete odor treatment process as well as the associated various components of the system.

***f. Projects Certificates:*** Bidders shall furnish, as part of their bid, the following documents related to the projects certificates:

- i. A copy of the contract signed with the bidder.
- ii. A copy (to be compared to the original) of a certificate issued by the private or public authority that awarded the project and/or signed the contract, stating the location, date, type and value of works that the bidder executed or participated in its execution. The said certificate should also state the contractual role of the bidder during the execution of the said works, in addition to the name and address of the consultant supervising the works, where applicable, and the employer who supervised the works or whom the works were executed on his behalf. This certificate shall be valid only if it mentions that the project has been provisionally accepted or if it is attached to the provisional acceptance certificate.

**g. Evidence of suitable personnel** consisting of a prime and alternate candidate for the minimum key positions meeting the minimum experience requirement specified below. The bidder is requested to submit a detailed curriculum vitae according to the attached qualification form 3 signed by the candidate;

Position	Total Work / Business Experience (Years)	In similar Work (Years)
Project Manager ( <i>Civil Engineer</i> )	12	8
Resident civil works engineer	7	5
Mechanical Engineer	7	5

Topographic Surveyor	10	5
Engineer specialized in the design of odor control systems, notably bio filters equipped with pre-scrubber, for solid waste treatment facilities (similar type to the one proposed in the present project)	15	10
Personnel specialized in the installation of bio filter equipped with prescrubber, for solid waste treatment facilities (similar type to the one proposed in the present project)	10	8

#### **h. Equipment**

The Contractor shall include in Schedule No. 1 (Refer to Forms & Schedules) his proposed equipment required on site for completing the Works including testing and commissioning, all in accordance with the requirements of the Contract.

The Contractor should submit full proof (i.e. equipment registration, lease contract...) and details of the arrangement he shall follow to make his proposed equipment in Schedule 1 above available on site. Arrangements may be agreement with local firms, lease, purchase, others, etc.

#### **i. Identity and qualifications of supplier**

**The identity and company profile of the supplier of the biofilter odor control system, and the evidence to the experience mentioned hereabove must be submitted at the Tender stage**, including among others:

- The project certificates as described hereafter
- Qualification
- Schedule (Manufacturers)
- Detailed description, details and characteristics of the complete odor treatment process as well as the associated various components of the system.

- 5.2 In order for a joint venture to qualify each of the partners must meet the following criteria:
- a) The lead partner (partner in charge) and each of the other partners including designated subcontractors must meet the qualifying criteria listed in Sub-Clause 3.1
  - b) The figures for each partner of a joint venture shall be added together to determine the bidder's compliance with the minimum qualifying criteria

set out in Sub-Clauses 5.1(k) and 5.1q(a) above. However, the lead partner (partner in charge) must meet a minimum of **70%** of the qualifying criteria listed in sub-clause 5.1q(a) and 5.1(k), while each of the other partners must meet a minimum of **40%** of the qualifying criteria listed in sub-clause 5.1q(a) and 5.1 (k).

- c) The lead partner (partner in charge) and each of the other partners must meet **100%** of the qualifying criteria listed in sub-clause 5.1q(b).
- d) The lead partner (partner in charge) must have successfully completed within the past 10 years as a prime Contractor and/or Joint Venture member the construction of at least (3) **industrial buildings and/or industrial plants, and/or odor control and treatment systems**, for a total value of 350,000 USD minimum. Experience as Contract Management and as Subcontractor will not be considered.
- e) Each of the other partners must have successfully completed within the past 10 years as a prime Contractor and/or Joint Venture member at least (3) **construction of industrial buildings and/or industrial plants, and/or odor control and treatment systems**, for a total value of 200,000 USD minimum. Experience as Contract Management and as Subcontractor will not be considered

Failure to comply with these requirements will result in rejection of the joint venture's Bid. Subcontractor's experience and resources will not be taken into account in determining the Bidder's compliance with the qualifying criteria.