**Establishment of Regional Waste Management System for the City of Novi Sad and Municipalities of Bačka Palanka, Bački Petrovac, Beočin, Žabalj, Srbobran, Temerin and Vrbas**

**Lot 1: Construction of the Regional Waste Management Centre in the City of Novi Sad**

**VOLUME 1**

**SECTION 4**

# FORMS 4.6.1 TO 13

# TECHNICAL QUALIFICATIONS

VOLUME 1

SECTION 4

# FORM 4.6.1.1 OVERVIEW OF THE TENDERER’S -PERSONNEL

i - Overview

a - Directors and management ........................

b - Administrative personnel ........................

c - Technical personnel

- Engineers ........................

- Surveyors

- Foremen ........................

- Mechanics

- Technicians ........................

- Machine operators

- Drivers ........................

- Other skilled personnel

- Labourers and unskilled personnel ........................

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Total ===========

ii - Site operatives to be employed on the contract (if relevant)

a - Site management ........................

b - Administrative personnel ........................

c - Technical personnel

- Engineers ........................

- Surveyors

- Foremen ........................

- Mechanics

- Technicians ........................

- Machine operators

- Drivers ........................

- Other skilled personnel

- Labourers and unskilled personnel ........................

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Total ===========

Signature ....................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date ............................................

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SECTION 4

# FORM 4.6.1.2

# PERSONNEL TO BE EMPLOYED ON THE CONTRACT

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Position/Name** | **Nationality** | **Age** | **Education** | **Years of experience (with the company/in construction)** | **Major works for which responsible (project/value)** | **Employed by (in case of a joint tender, indicate the name of the consortium member employing the personnel)** |
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| **Quality control .........................................** |  |  |  | / |  |  |
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| **Others responsible for .........................................** |  |  |  | / |  |  |
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| **Others responsible for .........................................**  **.........................................** |  |  |  | / |  |  |

Signature ......................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date.........................................

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SECTION 4

# FORM 4.6.1.3

# PROFESSIONAL EXPERIENCE OF KEY PERSONNEL

# CURRICULUM VITAE

(maximum 3 pages + 3 pages of annexes)

Proposed position in the contract:

1. Surname:

2. Name:

3. Education:

|  |  |
| --- | --- |
| **Institutions:** |  |
| **Date:**  **From (month/year)**  **To (month/year)** |  |
| **Degree or qualification:** |  |

4. Language skills

Indicate on a scale of A1 to C2 (from A1 (beginner) to C2 (proficient))**[[1]](#footnote-1)**:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Language** | **Level** | **Passive** | **Spoken** | **Written** |
|  | **Mother tongue** |  |  |  |
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5. Membership of professional bodies:

6. Other skills (e.g. computer literacy):

7. Current position:

8. Years of professional experience:

9. Key qualifications:

10. Specific experience in developing countries:

|  |  |  |
| --- | --- | --- |
| **Country** | **Date: from (month/year) to (month/year)** | **Name and brief description of the project** |
|  |  |  |
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11. Professional experience:

|  |  |
| --- | --- |
| **Date: from (month/year) to (month/year)** |  |
| **Place** |  |
| **Company/organisation** |  |
| Position |  |
| Job description |  |

12. Others:

12a. Publications and seminars:

12b. References:

Signature ............................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date...........................

VOLUME 1

SECTION 4

# FORM 4.6.2

# PLANT

Plant proposed and available for implementation of the contract[[2]](#footnote-2)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **DESCRIPTION (type/make/model)** | **Power/ capacity** | **No of units** | **Age (years)** | **Owned (O) or hired (H)/ and percentage of ownership** | **Origin (country)** | **Current approximate value in euro or national currency** | **Proposed by (in case of a joint tender, indicate the name of the consortium member proposing the plant)** |
| ***A)*** | **CONSTRUCTION PLANT** |  |  |  |  |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- |
|  | DESCRIPTION (type/make/model) | Power/ capacity | No of units | Age (years) | Owned (O) or hired (H)/ and percentage of ownership | Origin (country) | Current approximate value in euro or national currency |
| ***B)*** | **VEHICLES AND TRUCKS** |  |  |  |  |  |  |
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| ***C)*** | **OTHER PLANT** |  |  |  | / |  |  |
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Signature ...........................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date...............................................

VOLUME 1

SECTION 4

# FORM 4.6.3

# WORK PLAN AND PROGRAMME

4.6.3.1 State the proposed location of your main office on the site, stations (steel/concrete/asphalt structures), warehouses, laboratories, accommodation, etc. (sketches to be attached as required).

4.6.3.2 Give a brief outline of your programme for completing the works in accordance with the required method of construction and stated time of completion.

4.6.3.3 Attach a critical milestone bar chart (schedule of execution) representing the construction programme and detailing relevant activities, dates, allocation of labour and plant resources, etc.

4.6.3.4 If the tenderer plans to subcontract part of the works, he must provide the following details:

|  |  |  |  |
| --- | --- | --- | --- |
| **Work intended to be subcontracted** | **Name and details of subcontractors** | **Value of subcontracting as percentage of the total cost of the project** | **Experience in similar work (details to be specified)** |
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Signature .......................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date .....................................

VOLUME 1

SECTION 4

# FORM 4.6.4

# EXPERIENCE AS CONTRACTOR

**4.6.4.1** List of contracts of similar nature and scale performed during the past 7 years

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of project/type of works** | **Total value of works the contractor was responsible for2** | **Period of contract** | **Start date** | **Percentage of works completed** | **Contracting authority and place** | **Prime contractor (P) or subcontractor (S)** | **Final acceptance issued? - Yes - Not yet (current contracts) – No** |
| **A) In home country** |  |  |  |  |  |  |  |
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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of project/type of works** | **Total value of works the contractor was responsible for[[3]](#footnote-3)** | **Period of contract** | **Start date** | **Percentage of works completed** | **Contracting authority and place** | **Prime contractor (P) or subcontractor (S)** | **Final acceptance issued? - Yes - Not yet (current contracts) – No** |
| **B) Abroad** |  |  |  |  |  |  |  |
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**4.6.4.2[[4]](#footnote-4)** Please attach here available references and certificates from the relevant contracting authorities

Signature .......................................................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date ..................

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SECTION 4

# FORM 4.6.5

# DATA ON JOINT VENTURES

|  |
| --- |
| **4.6.5.1** Name ....................................................................................... |
| **4.6.5.2** Managing board’s address .......................................................  ..................................................................................................  Telephone .........................Fax.................................................  E-mail......................................................................................... |
| **4.6.5.3** Agency in the state of the contracting authority, if any (for joint ventures/consortia with a foreign lead member )  Office address ...........................................................................  ...................................................................................................  Telephone ..............................Fax.............................................  E-mail......................................................................................... |
| **4.6.5.4** Names of members  i) ..............................................................................................  ii) ..............................................................................................  iii) ..............................................................................................  Etc. ............................................................................................ |
| **4.6.5.5** Name of lead member  ..................................................................................................  .................................................................................................. |
| **4.6.5.6** Agreement governing the formation of the joint venture/consortium  i) Date of signature: ................................................................  ii) Place: ...................................................................................  iii) Enclosure — joint venture/consortium agreement |
| **4.6.5.7** Proposed division of responsibilities between members (in %) with an indication of the type of work to be performed by each  ..................................................................................................  ..................................................................................................  ..................................................................................................  ..................................................................................................  .................................................................................................. |

Signature: ..................................................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date: .....................

VOLUME 1

SECTION 4

# FORM 4.6.6

# LITIGATION HISTORY

Please provide information on any history of litigation or arbitration resulting from contracts executed, whether as main contractor or as consortium-member, during the last 5 years or currently under execution.

A separate sheet should be used for each partner of a joint venture/consortium.

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Ruling FOR or AGAINST tenderer** | **Name of client, cause of litigation, and matter in dispute** | **Disputed amount (current value in euro or NC)** |
|  |  |  |  |

Signature ......................................................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date ..................

**VOLUME 1**

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# FORM 4.6.7

# QUALITY ASSURANCE SYSTEM(S)

Please provide details of the quality assurance system(s) you propose using to ensure successful completion of the works.

Signature .................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date ..................

VOLUME 1

SECTION 4

# FORM 4.6.8

# ACCOMMODATION FOR THE SUPERVISOR

Please attach sketches and data detailing the accommodation and facilities intended to be provided by the tenderer under the relevant items in the breakdown of the overall price.

Signature .................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date .............

VOLUME 1

SECTION 4

# FORM 4.6.9.1

# TECHNICAL SOLUTION

The concept for the Regional Waste Management Centre (RWMC) Novi Sad shall be based on MSW separation technology for dry and wet waste, on technology of MSW drying (aerobic treatment) and production of RDF, technology of anaerobic digestion of biowaste and energy recovery from biogas and inert MSW disposal. The concept includes treatment of process wastewater and landfill leachate, as well as treatment of fecal wastewater generated on site.

The technical proposal shall be prepared in accordance with the Employer’s Requirements and shall as a miminum include the following:

* Detailed process description
* Process calculations for dimensioning of waste, wastewater and leachate treatment facilities. For RO process calculations shall include report from the software package used for dimensioning
* Hydraulic Calculations
* List of equipment
* Detailed technical specification of major equipment intended for use in the works (Form 4.6.9.2)
* List of power consumers (motor list)
* Calculation of annual electricity consumption
* Calculation of annual consumption of chemicals
* Specification of civil, mechanical and electrical works
* General layout with piping and road infrastructure
* Schematic process diagrams showing the process layout and process flows (PFD) of waste and wastewaters/leachate;
* Initial P&ID for the proposed plant/processes;
* Civil engineering and architectural general arrangements and drawings for each process unit and buildings of sufficient detail, to enable the understanding of the civil engineering works associated with the Contractor’s Proposal;
* Single line diagrams of the electrical installation at medium and low voltage, up to and including local miniature circuit breakers;
* Outline configuration diagrams of the plant/RWMC control and automation systems;
* A landscaping layout.
* Equipment catalogues

The Tenderer shall prepare documentation of sufficient detail, as a basis for his financial offer and to allow a proper evaluation of the submitted bid. The documentation shall include information, which shall indicate the adequacy of the design and the performance of the processes, and individual items of equipment.

The technical proposals found to be non-compliant (i.e., inadequate for the required works) will be rejected.

# FORM 4.6.9.2

# LIST OF MAJOR EQUIPMENT

**The Tenderer shall complete the data sheets for major equipment**:

**Table 1: Data sheet for System for detection of radioactive waste**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| WEIGHBRIDGE: **SYSTEM FOR DETECTION OF RADIOACTIVE WASTE** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| ***Plastic scintillation detector*** | No |  |
| Detector | Type |  |
| Compliant with standard |  |  |
| Working temperature | oC |  |
| Main power supply from the central unit | VDC |  |
| Protection grade |  |  |
| ***Central processing unit*** | No |  |
| Main power supply as single-phase feeder | VAC |  |
| Protection grade |  |  |
| ***UPS*** | No |  |
| Voltage | VA |  |
| ***A software pack*** | Specification |  |

**Table 2: Data sheet for Weighbridge**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| WEIGHBRIDGE: **WEIGHBRIDGE** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Weighbridge | No |  |
| Dimension, LxW, minimum | m |  |
| Maximum load | t |  |
| Measurement scale division | kg |  |
| Measuring bridge structure | Specification |  |
| Weighments per day | No |  |

**Table 3: Data sheet for the new Bag opener/shredder that shall be provided for the existing Macpresse sorting line**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| MACPRESSE SORTING PLANT: **BAG OPENER/SHREDDER** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity, in bags, minimum | t/h |  |
| Installed power, maximum | kW |  |
| Rotations (Inverter integrated), maximum | rpm |  |
| Main dimensions (L x W x H), minimum | mm |  |
| Infeed hopper volume, minimum | m3 |  |
| Type of shredder | Specification |  |
| Material of hammers | Specification |  |

**Table 4: Data sheet for the new Disc separator that shall be provided for existing Macpresse sorting line**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| MACPRESSE SORTING PLANT: **DISC SEPARATOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity, minimum | t/h |  |
| Dimensions, (L x W x H), minimum | mm |  |
| Installed power, maximum | kW |  |
| Material output size, underscreen | mm |  |
| Material outputsize, overscreen | mm |  |

**Table 5: Data sheet for the Bag opener/shredder for the New sorting line**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| NEW SORTING PLANT: **BAG OPENER/SHREDDER** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity, in bags, minimum | t/h |  |
| Installed power, maximum | kW |  |
| Rotations (Inverter integrated), maximum | rpm |  |
| Main dimensions (L x W x H), minimum | mm |  |
| Infeed hopper volume, minimum | m3 |  |
| Type of shredder | Specification |  |
| Material of hammers | Specification |  |
| Switch box, type | Specification |  |

**Table 6: Data sheet for Chain belt conveyor for New sorting line**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| NEW SORTING PLANT: **CHAIN BELT CONVEYOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Type of belt | Specification |  |
| Width of belt | mm |  |
| Total length | mm |  |
| Infeed hopper, WxL | mm |  |
| Chain strength | N |  |
| Load | kg per m² |  |
| Drive power | kW |  |

**Table 7: Data sheet for the Disc separator for the New sorting line**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| NEW SORTING PLANT: **DISC SEPARATOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity, minimum | t/h |  |
| Dimensions, (L x W x H) minimum | mm |  |
| Installed power, maximum | kW |  |
| Material output size, underscreen | mm |  |
| Material outputsize, overscreen | mm |  |

**Table 8: Data sheet for Slide roller belt conveyor for New sorting line**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| NEW SORTING PLANT: **SLIDE ROLLER BELT CONVEYOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Type of belt | Specification |  |
| Dimensions of belt (WxL) for conveyor which collect under-screen waste | mm |  |
| Dimensions of belt (WxL) for conveyor which transport the under-screen waste out of hall | mm |  |
| Power | kW |  |
| Speed of belt | m/s |  |

**Table 9: Data sheet for the Sorting belt conveyor for the New sorting line**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| NEW SORTING PLANT: **SORTING BELT CONVEYOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Type of belt | Specification |  |
| Width of belt, minimum | mm |  |
| Power, maximum | kW |  |
| Speed of belt | m/s |  |
| Sorting chutes | No |  |

**Table 10: Data sheet for the Sorting cabin for the New sorting line**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| NEW SORTING PLANT: **SORTING CABIN** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Overall dimensions -- total length, external -- total width, external -- total height, external | m  m  m |  |
| High thermal-insulation values | m2 K/W |  |
| Minimum number of workplaces (equally distributed on either side of the conveyor belt) | No. |  |
| Clearance height to bottom of steel support structure (container support surface) | m |  |
| Proportion of windows  - referred to total wall area  - referred to total floor area | %  % |  |
| Insulation  - noise level inside  - temperature range inside | dB(A)  °C |  |
| Air exchange rate | Per hour |  |

Table 11: Data sheet for Bio-drying Hall

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIO-DRYING PLANT: **BIO-DRYING HALL** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Overall dimensions -- total length, external -- total width, external | m  m |  |
| Structure | Specification |  |
| Foundation | Specification |  |
| Type | Specification |  |
| Functions of tunnels | Specification |  |
| Number of tunnels | No |  |
| Tunnel internal dimensions, LxWxH | m |  |
| Tunnel structure | Specification |  |
| Tunnels floor system | Specification |  |
| Tunnel aeration spigot tubes | Specification |  |
| Inlet capacity | t/day |  |
| Temperature of the process | 0C |  |
| Filling system | Specification |  |
| Emptying system | Specification |  |
| Installations | Specification |  |

**Table 12: Data sheet for Air handling system/Ventilators**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIO-DRYING PLANT: **AIR HANDLING SYSTEM/ VENTILATORS** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Centrifugal fan | No |  |
| Type | Specification |  |
| Centrifugal fan structure | Specification |  |
| Centrifugal fans casing | Specification |  |
| Motor type | Specification |  |
| Motor power | kW |  |
| Voltage | V |  |
| Air distribution manifold tunnels | Specification |  |
| Air volume | m3/h |  |
| Air handling sections | Specification |  |
| Flexible connections | Specification |  |
| Supporting frame | Specification |  |
| Fresh air damper | Specification |  |

**Table 13: Data sheet for Centrifugal fan for Air recirculation**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIO-DRYING PLANT: **CENTRIFUGAL FAN FOR AIR RECURCILATION** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Centrifugal fan | No |  |
| Type | Specification |  |
| Centrifugal fan structure | Specification |  |
| Centrifugal fans casing | Specification |  |
| Motor power, maximum | kW |  |
| Voltage | V |  |
| Air volume | m3/h |  |
| Supporting frame | Specification |  |
| Air dampers | Specification |  |

**Table 14: Data sheet for Centrifugal fan for Air scrubber**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIO-DRYING PLANT: **CENTRIFUGAL FAN FOR AIR SCRUBBER** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Centrifugal fan | No |  |
| Type | Specification |  |
| Centrifugal fan structure | Specification |  |
| Centrifugal fans casing | Specification |  |
| Motor power, maximum | kW |  |
| Voltage | V |  |
| Air volume | m3/h |  |
| Supporting frame | Specification |  |
| Air dampers | Specification |  |

**Table 15: Data sheet for Central computer control system**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIO-DRYING PLANT: **CENTRAL COMPUTER CONTROL SYSTEM** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Pentium processor, complete | No |  |
| Pentium processor, complete | Specification |  |
| CD-rom drive and burner, complete | No |  |
| CD-rom drive and burner, complete | Specification |  |
| Hard drive, complete | No |  |
| Hard drive, complete | Specification |  |
| Keyboard, complete | No |  |
| Keyboard, complete | Specification |  |
| Printer, complete | No |  |
| Printer, complete | Specification |  |
| Monitor, complete | No |  |
| Monitor, complete | Specification |  |
| Network card, complete | No |  |
| Network card, complete | Specification |  |
| Visualisation software pre-installed, complete | No |  |
| Visualisation software pre-installed, complete | Specification |  |
| Communication device and software, complete | No |  |
| Communication device and software, complete | Specification |  |

**Table 16: Data sheet for Hopper with shredder**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **HOPPER WITH SHREDDER** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity of shredder | t/h |  |
| Installed power | kW |  |
| Main motor power | kW |  |
| Rotations (Inverter integrated) | rpm |  |
| Main dimensions (L x W x H), | mm |  |
| Infeed hopper volume | m3 |  |

**Table 17: Data sheet for Slide roller belt conveyor towards fine sieve**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **CONVEYOR BELT TOWARDS FINE SIEVE** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Number of conveyors | No |  |
| Belt material | Specification |  |
| Belt speed | m/min |  |
| Motor drive | kW |  |
| Voltage | Specification |  |
| Dimensions (WxL) | mm |  |
| Mass flow from the intake hopper toward fine screen | t/h |  |
| Belt cleaning | Specification |  |

**Table 18: Data sheet for Fine sieve 50 mm/15 mm**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **FINE SIEVE** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Mass flow of the fine screen | t/h |  |
| Dimensions (L x W) | mm |  |
| Installed power | kW |  |
| Fine sieve separates | mm |  |

**Table 19: Data sheet for Conveyor belt towards air separator**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **CONVEYOR BELT TOWARDS AIR SEPARATOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Number of conveyors | No |  |
| Belt material | Specification |  |
| Belt speed | m/min |  |
| Motor drive | kW |  |
| Voltage | Specification |  |
| Type of protection | Specification |  |
| Dimensions (WxL) | mm |  |
| Mass flow from the sieve toward air separator | t/h |  |
| Belt cleaning | Specification |  |

**Table 20: Data sheet for Conveyor belt from air separator towards optic separator**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **CONVEYOR BELT FROM AIR SEPARATOR TOWARDS OPTIC SEPARATOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Number of conveyors | No |  |
| Belt material | Specification |  |
| Belt speed | m/min |  |
| Motor drive | kW |  |
| Voltage | Specification |  |
| Type of protection | Specification |  |
| Dimensions (WxL) | mm |  |
| Mass flow from air separator towards optic separator | t/h |  |

**Table 21: Data sheet for Ballistic air separator**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **BALLISTIC AIR SEPARATOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Mass flow of waste | t/h |  |
| Ballistic separator structure | Specification |  |
| Dimensions (WxL) | mm |  |
| Installed power | kW |  |
| Voltage | Volt, Hz |  |
| Type of protection | Specification |  |
| Separation efficiency of heavy fractions | % |  |
| Ventilator type | Specification |  |
| Ventilator structure | Specification |  |
| Motor drive of ventilator | kW |  |
| Voltage | Volt, Hz |  |
| Air capacity | m3/h |  |
| Speed regulation | Specification |  |

**Table 22: Data sheet for Conveyor from sieve towards optic separator for oversized fraction**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **CONVEYOR BELT FROM SIEVE TOWARDS OPTIC SEPARATOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Number of conveyors | No |  |
| Belt material | Specification |  |
| Belt speed | m/min |  |
| Motor drive | kW |  |
| Voltage | Specification |  |
| Type of protection | Specification |  |
| Dimensions (WxL) | mm |  |
| Mass flow from sieve toward optic separator | t/h |  |

**Table 23: Data sheet for Optic NIR separator**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **OPTIC NIR SEPARATOR** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity | t/h |  |
| Material size | mm |  |
| Recovery rate | % |  |
| Sorting width | mm |  |
| Speed of the in-feed conveyor adjustable to | m/s |  |

**Table 24: Data sheet for Mill with pre-shredder**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **MILL WITH PRE-SHREDDER** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| *Pre-shredder* |  |  |
| Capacity of pre-shredder | t/h |  |
| Inlet material size | mm |  |
| Specific weight of the material | kg/m3 |  |
| Efficiency of size reduction | % |  |
| *Granulator/grinders* |  |  |
| Motor power | kW |  |
| Rotor revolutions | rpm |  |
| Counter blades | Specification |  |
| Interchangeable blades | No |  |
| Blades | No |  |
| Selection sieve, interchangeable with holes of | mm |  |
| Hydraulic unit for pusher | kW |  |

**Table 25: Data sheet for Conveyor belt towards RDF container**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **CONVEYOR BELT TOWARDS RDF container** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Number of conveyors | No |  |
| Belt material | Specification |  |
| Belt speed | m/min |  |
| Motor drive | kW |  |
| Voltage | Specification |  |
| Type of protection |  |  |
| Dimensions (WxL) | mm |  |
| Mass flow from the Mill toward RDF container | t/h |  |
| Belt cleaning | Specification |  |

**Table 26: Data sheet for Conveyor belt towards Baling press**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **CONVEYOR BELT TOWARDS BALING PRESS** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Number of conveyors | No |  |
| Belt material | Specification |  |
| Belt speed | m/min |  |
| Motor drive | kW |  |
| Voltage | Specification |  |
| Type of protection | Specification |  |
| Dimensions (WxL) | mm |  |
| Mass flow from the RDF container towards Baling press | t/h |  |
| Belt cleaning | Specification |  |

**Table 27: Data sheet for Baling press**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **BALING PRESS** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Infeed hopper, dimensions, L x W | mm |  |
| Specific weight of the inlet material | kg/m3 |  |
| Noise level | dB(A) |  |
| Press channel dimensions, W x H | mm |  |
| Bale length | mm |  |
| Bale weight indication | kg |  |
| *Drive hydraulic power unit* |  |  |
| Main pumps | kW |  |
| Operational voltage | Specification |  |
| Insulation class | Specification |  |
| Operational hydraulic pressure | bar |  |
| Press force | t |  |

**Table 28: Data sheet for Bale wrapper**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| RDF PREPARATION PLANT: **BALE WRAPPER** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity, wrapping cycle speed | s/bale |  |
| Bale, W x H | mm |  |
| Bale length (min – max) | mm |  |
| Bale weight max | kg |  |
| Bale weight min | kg |  |
| Baled material | Specification |  |
| Wrapping film, stretch film | micron |  |
| Total motor power | kW |  |
| Electricity consumption | kW |  |

**Table 29: Data sheet for Screw press with feeding hopper and mixer**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **SCREW PRESS** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Infeed hopper, volume | m3 |  |
| Capacity | t/h |  |
| Content of solid part in substrate/filtrate | % |  |
| Number of mixers | No |  |
| Motor power of the press | kW |  |
| Voltage | Specification |  |
| Motor power of the mixers | kW |  |
| Frequency converter for control of the power and torque regulation | pc |  |

**Table 30: Data sheet for Cyclone for separating plastic and stones**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **CYCLONE FOR SEPARATING PLASTIC AND STONES** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity | t/h |  |
| Total dimensions of the Cyclone, L x W x H | mm |  |
| Motor power | kW |  |
| Revolution | rpm |  |

**Table 31: Data sheet for pump for high viscosityliquid phase**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **PUMP FOR HIGH VISCOSITYLIQUID PHASE** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity | m3/h |  |
| Pressure | bar |  |

**Table 32: Data sheet for Digester**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **DIGESTER** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Horizontal tanks/fermenters | No |  |
| Dimensions of Horizontal tanks/fermenters, LxWxH | m |  |
| Volume of each Horizontal tank/fermenter | m3 |  |
| Horizontal tank/hydrolysis tank | No |  |
| Dimensions of Horizontal tanks/ hydrolysis tank, LxWxH | m |  |
| Volume of Horizontal tank/hydrolysis tank | m3 |  |
| Filling height, approximative | mm |  |
| Double membrane roof biogas storage tank, volume | m3 |  |
| Fermentation temperature | 0C |  |
| Specific biogas yields | Nm3/t |  |
| Number of horizontal mixers/agitators | No |  |
| Dimensions of each mixer, LxW | mm |  |
| Motor power of mixers | kW |  |

**Table 33: Data sheet for Screw press for dewatering of digestate**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **SCREW PRESS FOR DEWATERING DIGESTATE** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Number of screw press | No |  |
| Capacity | t/h |  |
| Dry content, inlet material | % |  |
| Dry content of pressed material, outlet material | % |  |
| Dry content in the water from the press | % |  |
| Installed power of motor | kW |  |

**Table 34: Data sheet for Pump for water for dilution**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **PUMP FOR WATER FOR DILUTION** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Flow rate, | m3/h |  |
| Pressure, | bar |  |
| Motor power, Pn, | kW |  |

**Table 35: Data sheet for High viscosity Digestate transport pump**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **DIGESTATE TRANSPORT PUMP** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Flow rate, maximum | m3/h |  |
| Pressure, maximum | bar |  |

**Table 36: Data sheet for Pump for liquid phase**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **PUMP FOR LIQUID PHASE** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Flow rate, | m3/h |  |
| Pressure, | bar |  |
| Motor power, Pn, | kW |  |

**Table 37: Data sheet for Filter for liquid phase**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **FILTER FOR LIQUID PHASE** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity | t/h |  |
| Maximum and minimum level sensors | cmpl. |  |
| Motor power, | kW |  |
| Auger structure |  |  |

**Table 38: Data sheet for Pump for water for filter for liquid phase**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **PUMP FOR WATER FOR FILTER FOR LIQUID PHASE** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Flow rate | m3/h |  |
| Pressure | bar |  |
| Motor power, Pn | kW |  |

**Table 39: Data sheet for CHP AND TECHNICAL CONTAINER**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **CHP AND TECHNICAL CONTAINER** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Number of CHPs | No |  |
| Number of containers | No |  |
| Container dimensions, LxWxH, | mm |  |
| Noise (in 10m clearance) | dBA |  |
| Generator Voltage/Frequency |  |  |
| Efficiency | % |  |
| Power output | kW |  |
| Voltage regulator |  |  |

**Table 40: Data sheet for Torch**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| BIOGAS PLANT: **TORCH** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Capacity, maximum | m3/h |  |
| Number of working blowers | No |  |
| Number of reserve blowers | No |  |
| Installed power | kW |  |
| Noise pressure level, max | dBA |  |

**Table 41: Data sheet for GCL**

|  |  |  |  |
| --- | --- | --- | --- |
| DATA SHEET | | | |
| LANDFILL BOTTOM: **GCL** | TENDERER/CONTRACTOR | | TESTING METHOD |
| Manufacturer/type/model |  | |  |
| DESIGN DATA | UNIT | DATA |  |
| *GCL* |  |  |  |
| Permeability, Hydraulic conductivity | m/s |  | EN 16416 |
| Flow rate | (m3/m2)/s |  | EN 16416 |
| Mass per unit area | kg/m² |  | EN ISO 14196 |
| Tensile strength longitude/transverse | kN/m |  | EN ISO 10319  ASTM D6768 |
| Elongation at break, MD/CMD | % |  | EN ISO 10319  ASTM D6768 |
| Peeling resistance | N/m |  | ASTM D 6496 |
| Static puncture strength, CBR | kN |  | EN ISO 12236  ASTM D6241 |
| Thickness | mm |  | EN ISO 9863-1 |
| *Bentonite layer* |  |  |  |
| Bentonite mass per unit area | kg/m² |  | EN ISO 14196 |
| Free swelling index | ml/2g |  | ASTM D5890 |
| Fluid loss, maximal | ml |  | ASTM D 5891 |
| Montmorillonite content | % |  | XRD  VDP 69/NF X 31 130 |
| *Geotextile layers* |  |  |  |
| Cover layer, polypropylene nonwoven |  |  |  |
| Mass per unit area | g/m² |  | EN ISO 9864 |
| Carrier layer, polypropylene woven |  |  |  |
| Mass per unit area | g/m² |  | EN ISO 9864 |

**Table 42: Data sheet for HDPE**

|  |  |  |  |
| --- | --- | --- | --- |
| DATA SHEET | | | |
| LANDFILL BOTTOM: **HDPE** | TENDERER/CONTRACTOR | | TESTING METHOD |
| Manufacturer/type/model |  | |  |
| DESIGN DATA | UNIT | DATA |  |
| Appearance | Specif. |  | Visual examination |
| Thickness | mm |  | EN ISO 9863-1 and EN 1849-2:2019 |
| Density | g/cm³ |  | EN ISO 1183-1/A |
| Tensile strength longitude/transverse | N/mm |  | EN ISO 527-1,3 |
| Elongation at break | % |  | ASTM D 6693-tip IV |
| Tear strength | N |  | ASTM D 1004 or corresponding applicable standard |
| CBR Puncture resistance | kN |  | EN ISO 12236 |
| Carbon black content | % |  | EN ISO 11358 |
| Carbon black dispersion | Category |  | ASTM D5596 |
| Dimensional Stability | % |  | EN ISO 1107-2 |
| Crack resistance | h |  | EN ISO 14576 |
| Resistance to oxidation | % |  | EN ISO 14575 |
| UV resistance | % |  | ASTM D 5885 |
| Permeability | m/s |  | ISO 11058 |
| Linear coefficient of thermal expansion | Category |  | ASTM D 696 |
| Fluid leakage | m3/m2d |  | EN 14150 |
| Gas leakage | m3/m2d |  | ASTM D 1434 |
| *Strength of welded seams* |  | | |
| Type of welding | Specification | | |
| Tensile Shear tests (kN/m) to welds | % |  | ISO 527-3-1993  ISO 37:1994  ASTM D6392 |
| Peel traction tests (kN/m) for welds | % |  | ISO 527-3-1993  ISO 37:1994  ASTM D6392 |

**Table 43: Data sheet for Geotextile of minimum 1,200 g/m2**

|  |  |  |  |
| --- | --- | --- | --- |
| DATA SHEET | | | |
| LANDFILL BOTTOM: **GEOTEXTILE 1,200 g/m2** | TENDERER/CONTRACTOR | | TESTING METHOD |
| Manufacturer/type/model |  | |  |
| DESIGN DATA | UNIT | DATA |  |
| Polymer | Specif. |  |  |
| Mass per unit area | g/m2 |  | EN ISO 9864 |
| Thickness | mm |  | EN ISO 9863-1 |
| CBR Static Puncture | N |  | EN ISO 12236 |
| Maximal Tensile strength longitude/transverse | kN/m |  | EN ISO 10319 |
| Elongation at max. tensile strength | % |  | EN ISO 10319 |
| Dynamic perforation | mm |  | EN ISO 13433 |
| Protection efficiency at 300kPa | % |  | EN 13719 |
| Pyramidal puncture resistance | N |  | EN 14574 |

**Table 44: Data sheet for Geotextile of minimum 300 g/m2**

|  |  |  |  |
| --- | --- | --- | --- |
| DATA SHEET | | | |
| LANDFILL BOTTOM: **GEOTEXTILE 300 g/m2** | TENDERER/CONTRACTOR | | TESTING METHOD |
| Manufacturer/type/model |  | |  |
| DESIGN DATA | UNIT | DATA |  |
| Polymer | Specif. |  |  |
| Mass per unit area | g/m2 |  | EN ISO 9864 |
| Thickness | mm |  | EN ISO 9863-1 |
| CBR Static Puncture | N |  | EN ISO 12236 |
| Maximal Tensile strength longitude/transverse | kN/m |  | EN ISO 10319 |
| Elongation at max. tensile strength | % |  | EN ISO 10319 |
| Dynamic perforation resistance | mm |  | EN ISO 13433 |
| UV stability | months |  |  |

**Table 45: Data sheet for Geosynthetic leachate drainage liner**

|  |  |  |  |
| --- | --- | --- | --- |
| DATA SHEET | | | |
| LANDFILL BOTTOM: **GEOSYNTHETIC LEACHATE DRAINAGE LINER** | TENDERER/CONTRACTOR | | TESTING METHOD |
| Manufacturer/type/model |  | |  |
| DESIGN DATA | UNIT | DATA |  |
| Water flow rate, in plane, at a load of 250 kPa | l/m/s |  | EN ISO 12958 |
| Thickness, at 2kPa | mm |  | EN 964-1 Annex B |
| CBR Static Puncture | N |  | EN ISO 12236 |
| Maximal Tensile strength longitude/transverse | kN/m |  | EN ISO 10319 |
| UV stability | months |  |  |

**Table 46: Data sheet for Mechanical Pretreatment in the LTP**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| **Filter units as Mechanical Pretreatment in the LTP facility** | TENDERER/CONTRACTOR | |
| ***1st stage filter*** |  | |
| Manufacturer/type/model |  |  |
| DESIGN DATA | UNIT | DATA |
| Type of filter unit | - |  |
| No. of the 1st stage filter units in the Filter set, min. | Pcs. |  |
| Hydraulic capacity of each filter unit, nominal | m3/h |  |
| Openings on the 1st stage filter unit | mm |  |
| Material of filter media and other wet parts | - |  |
| ***2st stage filter*** |  | |
| Manufacturer/type/model |  |  |
| DESIGN DATA | UNIT | DATA |
| Type of filter unit | - |  |
| No. of the 2nd stage filter units in the Filter set, min. | Pcs. |  |
| Hydraulic capacity of each filter unit, nominal | m3/h |  |
| Material of filter media and other wet parts | - |  |

**Table 47: Data sheet for PS for 1st stage RO**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| **Pumping Station for 1st stage RO** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Type of pumps | - |  |
| Total number of pumps stage | pcs |  |
| Number of duty pumps | pcs |  |
| Number of stand-by pumps | pcs |  |
| Capacity per pump | l/s |  |
| Head of pump | bar |  |
| Installed power | kW |  |
| Pump efficiency | % |  |
| Motor speed (max. value at 50Hz) | min-1 |  |
| Impeller type |  |  |
| Impeller free passage | mm |  |
| Operation mode | - |  |

**Table 48: Data sheet for PS for 2nd stage RO**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| **Pumping Station for 2nd stage RO** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Type of pumps | - |  |
| Total number of pumps stage | pcs |  |
| Number of duty pumps | pcs |  |
| Number of stand-by pumps | pcs |  |
| Capacity per pump | l/s |  |
| Head of pump | bar |  |
| Installed power | kW |  |
| Pump efficiency | % |  |
| Motor speed (max. value at 50Hz) | min-1 |  |
| Impeller type |  |  |
| Operation mode | - |  |

**Table 49: Data sheet for PS for 3rd stage RO**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| **Pumping Station for 3rd stage RO** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| Type of pumps | - |  |
| Total number of pumps stage | pcs |  |
| Number of duty pumps | pcs |  |
| Number of stand-by pumps | pcs |  |
| Capacity per pump | l/s |  |
| Head of pump | bar |  |
| Installed power | kW |  |
| Pump efficiency | % |  |
| Motor speed (max. value at 50Hz) | min-1 |  |
| Impeller type |  |  |
| Operation mode | - |  |

**Table 50: Data sheet for 3-stage RO unit**

|  |  |  |
| --- | --- | --- |
| DATA SHEET | | |
| **Skid of Treatment on 3-stage RO units 3-stage RO unit** | TENDERER/CONTRACTOR | |
| Manufacturer/type/model |  | |
| DESIGN DATA | UNIT | DATA |
| RO units configuration | - |  |
| Total number of RO units in the skid, total | Pcs. |  |
| No. of RO units per each stage | Pcs. |  |
| Capacity of the 3-stage RO, nominal | m3/d |  |
| Effective time of operation, min. | % |  |
| Time necessary for CIP cleaning, membrane replacement and other maintenance activities, max. | % |  |
| NaCl rejection in RO membranes, min. | % |  |
| SDI value before 1st stage of RO unit (15 min test) | - |  |
| Material of the RO vessels, incl. feed/concentrate ports | - |  |
| Material of the RO membranes | - |  |
| Material of gaskets | - |  |

Signature .......................................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date .....................

SECTION 4

**FORM 4.6.9.3**

**TENDERER'S PROPOSED TRAINING PROGRAMME**

The Tenderer shall submit the necessary information regarding the training of the operational staff to be priced in Volume IV.

In case the training is subcontracted, information shall also be given concerning the proposed Sub-Contractor.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Equipment** | **Type of**  **Training** | **Location of the Training** | **Duration of the Training** | **Time of Training** | **Personnel**  **to be trained** | **Remarks** |
|  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |

Signature .......................................................

(*a person or persons authorised to sign on behalf of the tenderer*)

Date ............................

VOLUME 1

SECTION 4

**FORM 4.6.9.4**

**CONDITIONS OF CONTRACT**

The Tenderer must insert here, initialled by the person authorized to sign the Tender:

* the first page of the General Conditions;
* each page of the Particular Conditions of Contract.

VOLUME 1

SECTION 4

# FORM 4.6.9.5

# FURTHER INFORMATION

Tenderers may add here any further information that they deem useful for the evaluation of their tenders.

Signature ............................................

(*person(s) authorised to sign on behalf of the tenderer*)

Date ..................

1. Levels are based on the Common European Framework of Reference for Languages. See: <https://www.coe.int/en/web/common-european-framework-reference-languages/table-1-cefr-3.3-common-reference-levels-global-scale>. The linguistic competencies are to be demonstrated by certificate or by past relevant experience. [↑](#footnote-ref-1)
2. Not all the plant owned by the company. [↑](#footnote-ref-2)
3. Amounts actually paid, without the effect of inflation. [↑](#footnote-ref-3)
4. Please see point 4 in Instructions to Tenders if documentary evidence/proof is needed. [↑](#footnote-ref-4)