



METROSELSKABET

Copenhagen Metro, Line M1 and M2, Wheel Lathe

Tender Condition

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1 General background

1.1 Purpose and background

Reference is made to the Wheel Lathe Technical Specification.

MS-X-DA-INVEST CMC WHEEL PIT LATHE-0304

2 Terms and conditions of participation

2.1 Type of tender (Prequalification)

The tender is organised as the negotiated procedure in accordance with the EU Utilities Directive (2014/25/EU), with the intention to prequalifying a number of four (4) tenders for negotiation of a solution to procure, install and commissioning of a Wheel Pit Lathe.

2.2 Validity of tenders

Tenderers must keep their tenders valid for 6 month, cf. the contract notice, and section IV.2.6, from the tender closing date.

2.3 Reservations to the tender documents

Any reservations to the requested supply must be specified as a separate document attached to the tender.

Any clause in the appendix A to the Wheel Lathe Technical Specification, to which the tenderer not state a "Y", may be interpreted as a reservation depending on the comment from the supplier.

2.4 Electronic tenders

Electronic tenders will not be accepted.

2.5 Payment

No payment will be made for participating in tendering or the negotiation of an agreement.

2.6 Correction/clarification sheets

All questions concerning the tender must be addressed in writing to:

Metroselskabet I/S
Metrovej 5
DK-2300 København S
Att.: Carsten Larsen

Email: Procurement@m.dk

Questions must be received by the client at least 10 days prior to the tender date and will be answered at least 6 days before the tender date. Questions received

by the client later than this date will be answered provided it is possible to reply at least 6 days prior to the tender date.

All questions and answers will be made available to all tenderers, and will be submitted as correction/clarification sheet(s).

Tender submissions must be based on the entire tender documentation, including the correction/clarification sheets.

2.7 Inspection of the CMC

There will be a possibility to inspect the existing CMC and wheel lathe

Wednesday 10 August 2016, at 10.00

Please enrol the inspection by sending an e-mail to kss@m.dk

Any clarification and changes to the tender basis informed during the inspection meeting, will not apply until a correction/clarification sheet has been forwarded from the client.

2.8 Submission of tenders

Tenders must be submitted to:

Metroselskabet I/S
Metrovej 5
DK 2300 København S

Att.: Keld Schultz

no later than

Monday 5 September 2016, at 12.00

or the corrected (extended) submission time given in the last submitted correction/clarification sheet.

The Tenderers will receive a receipt by mail for a submitted tender.

3 Requirements for tenders

3.1 General

Tenders must be submitted in three (3) hard copies, and one (1) digital copy.

3.2 Tender deliveries

The tender submittals must comprise:

- Completed and signed tender list
- Documents listed in table 3 in Wheel Lathe Technical Specifications
 - Outline project/installation project plan
 - Details of lathe interfaces (Clause 7.1.1 and 7.1.6)

- Details of civil works engineering work required to modify the existing lathe pit including outline drawing (Clause 3.1.22 and 3.1.23)
- List of relevant standards
- Description of the machine operation
- A list of key performance parameters including
 - Clause 3.1.9 Maximum depth cut
 - Clause 3.1.10 Accuracy
 - Clause 3.1.11 The throughput time per bogie
 - Clause 3.1.20 Noise emission
- Procedure for achieving economical tyre cutting
- Completed Tender Compliance Table (appendix A)
- Stated reservations (if any)

3.3 Reservations (if any)

Any reservations must be clearly and unambiguously stated, cf. section 2.3.

4 Evaluation of tenders

4.1 Evaluation criterion's for awarding the contract

The contract will be awarded based on the award criterion “**the best price-quality ratio**” assessed based on a model consisting of the below criteria:

F1	Evaluated price
Q1	Compliance with the Wheel Lathe Technical Specifications as confirmed by the Tenderer in the Tender Compliance Table.
Q2	Required modifications to the pit – the complexity of the modifications to the pit, in order to fit the new wheel lathe.
Q3	Overall evaluation of the rest of the tender deliverables stated in section 3.2

The criteria are weighted as illustrated in the table below:

Criterion	Weight	Quality ~ Cost	Weight
F1	60%	Cost	60%
Q1	15%	Quality	40%
Q2	10%		
Q3	15%		
Total	100%		100%

4.1.1 Evaluated prices

The evaluated price will be the sum of:

- The Total cost for Mandatory deliverables (section 2 in the tender list)

- 80 % of the reduction (negative amount) in total for option 1 (section 3 in the tender list)
- 80 % of the yearly maintenance for the life of the machine for the first year after commissioning (option 2 - section 4 in the tender list)
- Capitalisation of reservations (if any)

4.2 Evaluation of the Technical sub-criterion

4.2.1 Scoring the sub-criterion.

Each of the sub-criterion's will be scored according to the below point scale with 0 as the best score and 8 as the worst score.

Point	Meet Requirements / Performance
0	Best possible fulfilment of requirements
1	Excellent fulfilment of requirements
2	Good / great fulfilment of requirements
3	Above average fulfilment of requirements
4	Average fulfilment of requirements
5	Below average fulfilment of requirements
6	Less satisfactory fulfilment of requirements
7	Above poor fulfilment of requirements
8	Poor fulfilment of requirements

A point have the value of € 87,500,-.

Awarded points will be transferred to an additional cost using the value above.

4.2.2 Evaluation of Q1

Tenderer complying with all clauses will be awarded the best score of zero (0) point for the criterion. If a Tenderer not complies with one or more clauses the supplier comment will be assessed in an overall evaluation of the comments. If a supplier ends up with the result "Poor fulfilment" the tender will be awarded Eight (8) points, cf. the table in section 4.2.1.

Please note, that all supplier comments will be assessed in relation to whether the comment is a reservation or not. If a supplier comment is interpreted as a reservation, the reservation will be capitalised if possible. If not possible the tender will be rejected.

The Tenderers are encouraged to comply with all clauses.

4.2.3 Evaluation of Q2

Time is of the essence and Metroselskabet appreciates a short stand still period and minor works performed in the Pit, Q2 will be an assessment of the needed modification of the pit in order for the Wheel Lathe to fit. The supplier will be awarded the best score of zero (0) point for the criterion if no modifications is required whereas a complete rebuild will be awarded Eight (8) points.

Point	Meet Requirements / Performance	Modifications to the pit
0	Best possible fulfilment of requirements	No modifications to pit
1	Excellent fulfilment of requirements	Minor modifications, holes, smaller cut-outs etc.
2	Good / great fulfilment of requirements	Some modifications, simple extension of pit in one axis
3	Above average fulfilment of requirements	Some modifications, complex extension of pit in one axis
4	Average fulfilment of requirements	Some modifications, simple extension of pit in two axis
5	Below average fulfilment of requirements	Some modifications, complex extension of pit in two axis
6	Less satisfactory fulfilment of requirements	Major modifications, simple extension of pit in more than 2 axis
7	Above poor fulfilment of requirements	Major modifications, complex extension of pit in more than 2 axis
8	Poor fulfilment of requirements	Complete rebuild of pit

4.2.4 Evaluation of Q3

The evaluation will be performed as an overall evaluation of the mentioned tender deliverables in relation to achieve the most effective and attractive wheel lathe turning process. In the evaluation will the client attach importance to the following condition (not listed in priority):

- User friendliness
- Throughput time per bogie
- Noise levels
- Accuracy
- Interface complexity

- Pit arrangement

Points are awarded in accordance with the table in section 4.2.1.

4.3 Calculation of the competition sum

The competition sum will be calculated as

Evaluated price_{F1} * Weight_{F1} + Additional Cost_{Q1} * Weight_{Q1} +
Additional Cost_{Q2} * Weight_{Q2} + Additional Cost_{Q3} * Weight_{Q3}

4.4 Identification of the tender with the best price-quality ratio

The tender with the lowest competition sum is the tender with “**the best price-quality ratio**”.

5 Tender opening and evaluation

5.1 Opening

The tenders will be opened in private.

5.2 Metroselskabets check and evaluation

The tenders will be checked to verify that formalities are observed and that they are so complete that Metroselskabet is not obliged to reject them.

Metroselskabet will freely decide whether to

- conclude the evaluation and identify the tender with the “**the best price-quality ratio**” based on the initial tenders,
- invite two or three tenderers (shortlisting) to individual tender negotiations and clarifications with Metroselskabet, cf. section 5.3 to 5.5.
- invite all Tenderers to individual tender negotiations and clarifications with Metroselskabet, cf. section 5.3 to 5.5.

If Metroselskabet decides to conclude the evaluation based on the initial tender, contract negotiation will be performed in accordance with section 5.7 with the Tenderer, who have submitted “the best price-quality ratio”.

Only tenderers whom the Metroselskabet has not been obliged to reject can receive written invitations to individual tender negotiations and clarifications with Metroselskabet.

If a shortlisting of Tenderers is decided such decision will be based on a full evaluation of the tenders.

If all Tenderers are invited for negotiations and clarification, only an initial evaluation of the tender will be performed with the purpose to identify Employers observations for discussing at the negotiation and clarification meeting.

5.3 Clarification of tenders

During the evaluation and negotiation period, the Tenderer shall supplement his tender with whatever details, drawings, specifications and descriptions, including breakdowns of lump sums, deemed necessary by Metroselskabet to allow, an assessment of the quality, competence and value of the tender. A deadline for submission of such details will be given in each case, depending on the amount of extra information requested. Such a request for further information compared to the tender deliverables described in section 3.2 will be sent to all Tenderers.

5.4 Negotiation and clarification

Metroselskabet will freely decide whether negotiations and clarifications are performed face to face or in writing.

If face to face Metroselskabet decides which items will be negotiated or clarified at the meeting. The Tenderer may suggest further items to the agenda prepared by the Employer.

With the invitation for negotiation and clarification, the Tenderer will receive a "List of Observations", which will be selected observations and assessed to be, the important observation to negotiate, clarify or discuss at the meeting.

Metroselskabet will at the meeting, in general terms, give feedback to the Tenderer in relation to Metroselskabet evaluation of the tender.

At the meetings, each Tenderer will be given the same number of days to submit his revised tender.

Metroselskabet will issue minutes of the meetings (MOM) to the relevant Tenderer, stating process and agreed actions. The result of the negotiation will not be registered in (MOM), as such, because the Tenderer shall incorporate the result of the negotiation and clarification in his revised tender.

5.5 Submission of revised tenders

At the expiry of the period informed at the negotiation meeting and stated in the Minute of Meetings, all Tenderers can submit a revised tender. The Tenderer is free to revise all elements of the tender.

5.6 Evaluation of tenders

Metroselskabet will evaluate all revised tenders.

The objective of the evaluation is to determine which tender is "**the best price-quality ratio**" tender. The evaluation criterion and their weight can be found in section 4, Evaluation of Tenders.

Metroselskabet can choose to conclude a contract as described in Section 5.7 with the Tenderer, who has submitted the tender with "**the best price-quality ratio**".

Alternatively Metroselskabet can - based on the evaluation criterion in section 4 – choose to shortlist a number of tenderers for further negotiations or invite all

Tenderers, which have submitted a revised tender. In this case, the process in Section 5.3 and onwards will be repeated.

It is the firm expectation of Metroselskabet that the tender with “**the best price-quality ratio**” will be identified based on the revised tender if not identified based on the initial tender.

5.7 Contract negotiations

The Tenderer, whose final tender is evaluated as “**the best price-quality ratio**”, will be invited for contract negotiations. The purpose of these negotiations is to clarify any outstanding items.

Should negotiations fail with the Tenderer, who submitted the tender with “**the best price-quality ratio**”; similar negotiations will be undertaken with the Tenderer, ranked as number two, and so forth.

6 Award of contract

6.1 Contract award

Subject to Section 6.2, Metroselskabet will, prior to expiration of the tender validity period, award the contract to the successful Tenderer.

6.2 Annulment of tender process

Notwithstanding Section 6.1, Metroselskabet reserves the right on objective reasons to annul the tendering process at any time prior to contract award. Metroselskabet will accept no liability to the affected Tenderers.

6.3 Signing of contract agreement

During the contract negotiations with the successful Tenderer, the wording of a contract agreement with key documents will be prepared. All Metroselskabets tender documents will be updated with all released corrections if not already updated in an addendum.

The contract will via a contract protocol; incorporate all agreements during the contract negotiations between the parties.

Once the contract has been signed, Metroselskabet will notify the other Tenderers that their tenders have been unsuccessful.