

Employer  
**SAKO Brno a.s.**

Project  
**„Modernization of WtE Plant SAKO Brno“**

Date  
**June 2024**

# Part II.d

## PRICES AND PAYMENT CONDITIONS



## Part II.d

### PRICES AND PAYMENT CONDITIONS

Project name **Modernization of WtE Plant SAKO Brno**  
Version **1**  
Date **2024-06-27**  
Documentation **Procurement documentation – Part II – Contract provisions**

Ramboll  
Hannemanns Allé 53  
DK-2300 Copenhagen S  
Denmark

T +45 5161 1000  
F +45 5161 1001  
[www.ramboll.com/energy](http://www.ramboll.com/energy)

## CONTENTS

<b>1.</b>	<b>Contract Amount</b>	<b>2</b>
<b>2.</b>	<b>Price specification</b>	<b>3</b>
2.1	General	3
2.2	Currency	3
2.3	Taxes	3
<b>3.</b>	<b>Schedule of payment and invoicing</b>	<b>4</b>
3.1	Invoicing	4
3.2	Transmission of invoices	4
3.3	Payment schedule	4
<b>4.</b>	<b>Contract Amount summary</b>	<b>7</b>
<b>5.</b>	<b>Contract Amount specification</b>	<b>8</b>
5.1	Scope of Contract Object	8
5.2	Options	23
5.3	Optional unit prices	23

## 1. CONTRACT AMOUNT

The Contract amount for the Contract Object according to the art. 26 of the Contract is in amount of CZK, which, in addition to the facts set out in the Contract, also includes the price of options listed in this appendix (these are not selectable options for negotiation as per Articles 3.1 and 3.9 of the procurement documentation). [ TO BE ADDED BY THE CONTRACTOR IN THE FINAL TENDER ]

If the Employer applies a reserved change according to Article 26.13 of the Contract, the Contract Amount will be considered as the amount specified in the previous Article and reduced by a discount calculated using the procedure according to Article 26.13 of the Contract and this appendix as indicated below. Such an amount is the Contract Amount according to Article 26.1 of the Contract, of which:

- part of the Contract Amount in CZK totals: \_\_\_\_\_ [ IN THE FINAL TENDER THE CONTRACTOR WILL CALCULATE THIS PART OF THE CONTRACT AMOUNT USING THE PROCEDURE INDICATED BELOW ] CZK excl. VAT\*;
- part of the Contract Amount in EUR totals: EUR 60,000,000 excl. VAT. [ THE EMPLOYER MAY SPECIFY THE ABOVE AMOUNT IN THE INVITATION TO SUBMIT THE FINAL TENDERS ]

\* for the purposes of calculating d the total Contract Amount after applying the Employer's reserved change to pay a part of the Contract Amount in EUR according to Article 26.13 of the Contract, the rate of Česká národní banka will be used to convert the part of the Contract Amount in EUR to CZK [ TO BE ADDED BY THE CONTRACTOR IN THE FINAL TENDER GIVEN THE VOLUME OF FUNDS IN EUR AND THEN IN THE FINAL TENDER ], which will be set at the mean EUR/CZK market exchange rate announced by Česká národní banka in the period of 10 business days before the Contractor's final tender has been submitted.

If a part of the Contract Amount is paid in EUR, the Contractor will provide a discount of the Contract Amount using a procedure according to Article 26.13 of the Contract in the amount of CZK \_\_\_\_\_ [ TO BE ADDED BY THE CONTRACTOR IN THE FINAL TENDER WITH REGARD TO THE EUR FINANCING ] excl. VAT. For the purpose of converting the discount to CZK, the Contractor shall use the rate announced by Česká národní banka as stated above, which will be set at the mean EUR/CZK market exchange rate announced by Česká národní banka in the period of 10 business days before the Contractor's final tender has been submitted;

The Contractor undertakes to adhere to the payment schedule specified below.

If the Employer fails to apply the reserved change according to Article 26.13 of the Contract, the actual percentage amount of individual payments according to the payment schedule specified in Article 3.3 of this Appendix will be set as half of the sum of the percentage values of payments denominated in CZK and EUR in Article 3.3 Payment Schedule.

The Contractor guarantees, that he included in its Tender, to the extent described, all costs associated with its obligation to perform the Contract Object properly and on the time.

The Contractor confirms, that Contract amount for the Contract Object includes all associated costs for design, construction works, contingencies, price for equipment supply and installation and price for non-construction activities related to the Contract Object implementation, which will be implemented according to the Contract.

The Contractor guarantees, that he is able to implement the Contract Object in the needed quality and in full compliance with this Tender.

## **2. PRICE SPECIFICATION**

### **2.1 General**

The Contract Amount shall be considered payment in full for the Contractor's completion of the Contract Object.

The Contractor shall bear full responsibility for inclusion of any and all relevant cost elements, including coverage for obligations and responsibilities laid upon him, in the Contract, also including his own profit.

The Contract Amount for the Contract Object is fixed lump sum.

A specification of the Contract Amount and special options forming a part of the Contract Amount, is stated in this part II.d. *Prices and Payment Conditions*. All prices are including packing, freight, taxes, insurance, installation, commissioning, test operation and training as a part of Contract Object.

The price specification shall be deemed to represent all items payable for the completion of the Contract Object. The cost which are necessary for the Contractor to fulfil his contractual obligations and which are not specifically mentioned, shall be deemed to be included in the prices.

The Contract Amount does not include the VAT.

### **2.2 Currency**

All prices and payment shall be stated in Czech Koruna (CZK) and EURO (EUR).

### **2.3 Taxes**

The Contractor shall ensure that the Employer is not invoiced for levies and taxes such as import tax, custom duties.

## 3. SCHEDULE OF PAYMENT AND INVOICING

### 3.1 Invoicing

Invoicing shall take place separately for:

- Milestone payments
- Variation orders

### 3.2 Transmission of invoices

Invoices shall be sent in electronic form *<file format to be defined>*. The invoice shall follow the general tax rules in the Czech Republic and further be marked with:

EAN Number	: <i>&lt;EAN Number&gt;</i>
Contract Reference	: <i>&lt;Contract Reference&gt;</i>
Order Number	: <i>&lt;Order Number&gt;</i>
Contract Name	: <i>&lt;Contract Name&gt;</i>

### 3.3 Payment schedule

The payment schedule and schedule for bonds and securities to be supplied by the Contractor in accordance with art. 26 of the Contract is stipulated below.

The first invoice for Payment No.1 may earliest be submitted after the Employer has received and accepted:

- Signed Contract by both contractual parties
- Security for performing the Contract Object (provided in accordance with the requirements stipulated in art. 29 of the Contract)
- Submission of an insurance contract for the Contractor's insurance in accordance with art. 30 of the Contract
- Contractor's Detailed programme
- Contractor's project organisation, health & safety plans
- Contractor's QA manual
- Contractor's document schedule
- Contractor's CE-plan,
- Contractor's staffing plan
- Contractor's Site plans
- Contractor's template for Monthly Report

Payment No.	Percentage of share in Contract Amount in CZK	Percentage of share in Contract Amount in EUR	Milestone condition for payment	Contractor's securities (to be issued or reduced)
1	30 %	30%	<p>Financial closure and after meeting the requirements for payment No. 1 according to Article 3.3 of this Appendix and after 3 months from the Effective Date and, if the Employer does not terminate the Contract within this period according to Article 32.13 and 32.14 of the Contract or does not give an instruction to suspend the implementation of the Contract Object according to Article 32.15 of the Contract.</p> <p>If the Employer suspends (interrupts) the implementation of the Contract according to Article 32.15 of the Contract, the obligatory condition for this Payment No. 1 is the receipt of the Employer's instruction to resume implementation of the Contract according to Article 32.15 of the Contract.</p>	<p>The Contract Object payment security in the amount of 10% of the Contract Volume</p> <p>+</p> <p>The payment security in the remaining total amount of payment No. 1 (after deducting the Contract Object performance security) in the actual related currency ratio (CZK/EUR), while this ratio depends on which part of the payment according to this milestone will be made in CZK and which will be paid in EUR</p>
2	10%	0%	<p>Start of concreting works on Site and supply of Reviewable Project and Design Data LD3, CD3MD1, AD1 and ED1 approved by the Employer according to the Contract.</p> <p>Conditional upon issue and provision of approved Security of Payment according to the Contract.</p>	Payment Security in the amount and currency of Payment No. 2
3	10%	0%	<p>Completion of boiler basement and waste bunker on Site and supply of Reviewable Project and Design Data LD4, CD4, MD2, AD2 and ED2 approved by the Employer according to the Contract.</p> <p>Conditional upon issue and provision of approved Payment Security according to the Contract.</p>	Payment Security in the amount and currency of Payment No. 3

4	20%	0%	<p>Milestone subjected to the Delay damage</p> <p>Completion of concrete works on Site and supply of Reviewable Project and Design Data LD5, CD5, MD3, AD3 and ED3 approved by the Employer according to the Contract.</p> <p>And at the same time, start of Construction to be defined as such milestone where contraction of boiler and flue gas treatment steel structure has been erected up to the highest grate elevation level and when construction Works can proceed continuously.</p> <p>Conditional upon issue and provision of approved Security of Payment according to the Contract.</p>	Payment Security in the amount and currency of Payment No. 4
5	10%	10%	<p>Completion of delivery of the main components, i.e. boiler, turbine, (selectable option for negotiation) turbine (selectable option for negotiation), transformers, condensers and condensate pumps, reactor, fabric filter, ID fan to the Site.</p>	
6	10%	30%	<p>Completion of heavy assembly, including successful results of boiler pressure test and placement of all major components on their foundations (i.e. turbine (selectable option for negotiation) , generator selectable option for negotiation) , transformers, condensers and condensate pumps, absorber, bag house filter, ID fan) including disassembly of assembly cranes.</p>	Release of Payment Security for Payments No.1, 2 and 3
7	0%	5%	<p>Delivery of complete instructions for operation and maintenance according to the Contract as agreed by the Employer and</p> <p>end of Assembly according to part III, appendix A11 of Employer's Requirements</p>	

8	0%	20%	Successful first MSW fire and start of Line's operation, where Waste is being continuously incinerated.	
9	5%	5%	Start of Trial operation period and delivery of complete and final operation and maintenance manual approve by Employer according to the Contract.	
10	5%	0%	Signing of Preliminary Take Over certificate	Release of Payment Security for Payments No. 4
11			Issue of Taking-over certificate and end of 2-years Warranty period.	Performance Security is reduced to 5% of the Contract Amount
12			End of 5-years Warranty period (civil part)	Release of Payment Security for the performance of the Contract Object

## 4. CONTRACT AMOUNT SUMMARY

DESCRIPTION	Contract Amount summary
	Czech Koruna (CZK) exclusive of VAT.
Subtotal, incinerator/boiler, pos. 1 to 17	
Subtotal, flue gas treatment system, pos. 20 to 25	
Subtotal, steam turbine, pos. 30 to 36 (selectable option for negotiation)	
Subtotal, balance of plant, pos. 40 to 42	
Subtotal, DH system, pos. 50 to 51	
Subtotal, generator, pos. 60 to 63 (selectable option for negotiation)	
Subtotal, auxiliary equipment, pos. 70 to 72	
Subtotal, electrical equipment, pos. 80 to 93	
Subtotal, control and monitoring system (CMS), pos. 100 to 111	

Subtotal, construction works and standard projects, pos. 130 to 135	
Subtotal, miscellaneous equipment, pos. 140 to 145	
Subtotal, wear parts, pos. 150	
Subtotal, spare parts, pos. 160	
Subtotal, project execution, documentation and Temporary Works, pos. 170 to 185	
Subtotal, Civil construction SO 101, pos. 190 to 198	
Subtotal, Civil construction SO 102, pos. 200 to 208	
Subtotal, Civil construction SO 103, pos. 210 to 218	
Subtotal, Civil construction SO 106, pos. 220 to 228	
Subtotal, Civil construction SO 411, pos. 230 to 238	
Subtotal, Civil construction SO 501, pos. 240 to 248 (selectable option for negotiation)	
Subtotal, Civil construction SO 502, pos. 250 to 258	
Subtotal, Civil construction - others, pos. 260 to 267	
Subtotal, Securities costs, pos. 280 to 282	
<b>Contract Amount, pos. 290</b>	
<b>In writing (CZK)</b>	

## 5. CONTRACT AMOUNT SPECIFICATION

Price specification is stipulated at a fixed price in the entire Contract period in Czech Koruna (CZK) exclusive of VAT.

### 5.1 Scope of Contract Object

#### Incinerator/Boiler with Auxiliary Equipment

1	Incinerator with feed hopper and chute, hydraulic shut-off damper, feeding system, grate including grate drives, casing and supporting steel structures, IBA chute and IBA extractor, grate riddling hoppers and grate riddling transport to IBA extractor.	CZK
2	Equipment on feed hopper and in chute in form of waste bridge detection system, feed signal generation system based on micro wave and automatic waste bridge removal system.	CZK
3	Systems for combustion and cooling air, including primary, secondary and cooling air fans, air preheaters, ducts, control equipment, dampers, and necessary devices for noise reduction	CZK
4	Complete hydraulic stations with pumping systems.	CZK
5	Complete system for gas fired auxiliary/ignition burners.	CZK
6	Installation of a fully automatic water based spray cleaning systems for cleaning of empty passes	CZK
7	Boiler with vertical radiation passes, succeeded by a horizontal convection pass including integrated upper drum, automatic soot cleaning system and supporting steel structures as well as equipment for venting, blow-down, boiler drainage system etc.	CZK
8	SNCR system for NOx reduction including pumps, pipes, etc.	CZK
9	Complete system for make-up water including make-up water tank, pumps, pipe connections to Existing facility etc. and feeding of make-up water to feed water tank	CZK
10	Feed water tank/deaerator.	CZK
11	Pressure reduction station including piping from live steam pipe to deaerator/feed water tank including control valve for controlling the temperature in the deaerator/feed water tank	CZK
12	Two electrical driven feed water pumps and one diesel driven feed water pump	CZK

13	Sampling station (test bar) including cooling systems, measuring equipment etc. for monitoring of water chemistry. Equipment for automatic chemical dosage to the water/steam cycle for boiler water conditioning.	CZK
14	Flue gas concentration measurements for surveillance of the operation of the boiler and SNCR system	CZK
15	Pipe sections in water/steam-cycle with valves, instrumentation, meters etc.	CZK
16	IBA and ash handling and transport systems.	CZK
17	Other (as specified below).	CZK
<b>18</b>	<b>Subtotal, Incinerator/Boiler (sum 1-17)</b>	<b>CZK</b>
<b>Flue Gas treatment</b>		
20	Reactor and bag house filter including all auxiliary systems.	CZK
21	Induced draught fans including all auxiliary systems.	CZK
22	Continuous Emission Monitoring System and raw gas monitoring including all auxiliary systems.	CZK
23	Stack and ducts including all auxiliary systems.	CZK
24	Storage silos and tanks including all auxiliary systems.	CZK
25	Other (as specified below).	CZK
<b>26</b>	<b>Subtotal, Flue Gas Treatment System (sum 20-25)</b>	<b>CZK</b>
<b>Steam Turbine</b> (selectable option for negotiation)		
30	Complete back pressure steam turbine with bleeds and/or extractions.	CZK
31	Couplings as well as reduction gear between steam turbine and generator (if necessary).	CZK
32	Detailed project, supervision and dimension control of the concrete turbine table.	CZK
33	Support system for the concrete turbine table.	CZK
34	All necessary internal connections and auxiliary equipment, including equipment for dry air conservation.	CZK
		CZK

35	All necessary instrumentation and measuring equipment for a safe operation and control of the Line.	
36	Supplementary equipment including: <ul style="list-style-type: none"> <li>• Steam strainer and all valves and instrumentation needed on the live steam supply piping in order to secure a safe operation and control of the turbine.</li> <li>• Base frame(s) for steam turbine, gear and generator.</li> <li>• All steel parts necessary for the mounting of the turbine on the concrete turbine table including foundation bolts and all required cast-in parts.</li> <li>• Barring gear.</li> <li>• Complete drain system and evacuation equipment.</li> <li>• Lubrication and control oil system, including oil tank(s), coolers, filters, filters, oil filter separator, pumps including motors and flushing oil as well as the first filling of lubrication oil and control fluid.</li> <li>• Nozzles for connecting of equipment for dry air conservation.</li> </ul>	CZK
<b>37</b>	<b>Subtotal, Steam turbine (sum 30-36)</b>	<b>CZK</b>
	<b>Balance of plant</b>	
40	Complete condensate system including: <ul style="list-style-type: none"> <li>• Condensate piping from district heating condensers and condensate pumps.</li> <li>• Complete condensate pumps sets each with a capacity of 2 x 100% for each condenser, including all necessary pipes and valves including instrumentation for pumping the condensate from the condensers to the de-aerator/feed water tanks.</li> <li>• Condensate control valves for all operation modes.</li> </ul>	CZK
41	HP water injection system for the turbine bypass station including control and shut-off valves, screener etc.	CZK
42	Complete district heating condensers (also the by-pass condenser) with all necessary connections for steam, district heating and instrumentation.	CZK
<b>43</b>	<b>Subtotal, Balance of plant (sum 40-42)</b>	<b>CZK</b>
	<b>District heating system</b>	
50	Complete district heating system: <ul style="list-style-type: none"> <li>• Modifications of the existing HVS in order to connect the existing system and the new heating water system, including pipes, fittings, pumps, installation, insulation, etc.</li> <li>• Forward and return DH pipeline from DH condenser to the existing DH station including ground works, lay down, pipe bridges etc.</li> <li>• Reserve pressure maintenance system and DH control</li> <li>• DH energy meter installations at all heat production units</li> </ul>	CZK

	and all heat consumption units	
	<ul style="list-style-type: none"> <li>All necessary piping, pipe supports, insulation, valves, instrumentation, venting and drainage equipment</li> </ul>	
51	Summer coolers (dry coolers) including heat exchanger and circulation pumps	
	<ul style="list-style-type: none"> <li>All necessary piping, pipe supports, insulation, valves, instrumentation, venting and drainage equipment and glycol filling.</li> </ul>	
		CZK
52	<b>Subtotal, District heating system (sum 50-51)</b>	<b>CZK</b>

	<b>Generator</b> (selectable option for negotiation)	
60	Generator consisting of complete 3-phase 6,3 kV synchronous generator for connection to the steam turbine, including excitation and AVR equipment, control panel and measuring equipment, cooling and lubrication equipment, etc.	CZK
61	Neutral earthing arrangement including cable between generator and neutral earthing box.	CZK
62	Complete LV and C&I cable installations including low voltage cables, control and measuring cables, cable ways, terminal boxes and other installation materials.	CZK
63	Complete earthing system with earthing conductor, protective conductors and bonding of generator and equipment, incl. main earthing bars etc.	CZK
64	<b>Subtotal, Generator (sum 60-63)</b>	<b>CZK</b>

	<b>Auxiliary equipment</b>	
70	Complete component cooling system for Line, including air coolers, circulation pumps, expansion system, filters, shut off and control valves, piping etc. including full interconnection to the existing component cooling system based on absorption heat pump.	CZK

71	Compressed Air Distribution System. In addition to the connection points for service air and instruments air required in the Contract Object, the Contractor shall include 50 additional connection points for service air and instrument air to be placed in other parts of the Line. The compressed air distribution systems for service air and instrument air shall be established as a separate ring line for each of the two compressed air qualities.	CZK
72	Complete central vacuum cleaning network for the Line including all pipes, connections and hoses.	CZK
<b>73</b>	<b>Subtotal, Auxiliary equipment (sum 70-72)</b>	<b>CZK</b>
<b>Electrical Equipment</b>		
80	Associated 22 kV Grid Protection System including extension of existing switchboard R2 with two sections.	CZK
81	Generator circuit breaker switchboard and associated generator protection and synchronizing system.	CZK
82	A complete set of power transformers including auxiliary equipment, cable routing, earth & bonding and installation materials. Including design, manufacture, management, FAT, supply, installation, SAT etc.	CZK
83	A complete set of distribution transformers including auxiliary equipment, cable routing, earth & bonding and installation materials. Including design, manufacture, management, FAT, supply, installation, SAT etc.	CZK
84	MDB Switchboards for distribution including design, manufacture, management, FAT, supply, installation, SAT etc.	CZK
85	Switchboards for distribution and MCC (Motor Control Centre) including design, manufacture, management, FAT, supply, installation, SAT etc.	CZK
86	Emergency Generator System including design, manufacture, management, FAT, supply, installation, SAT etc.	CZK
87	UPSs System including design, manufacture, management, FAT, supply, installation, SAT etc.	CZK
88	Battery systems for UPSs.	CZK

89	Frequency converters including design, manufacture, management, FAT, supply, installation, SAT etc.	CZK
90	ID-fan drive system including frequency converter and power supply cables including design, manufacture, management, FAT, supply, installation, SAT etc.	CZK
91	A set of complete 22kV-6kV-400V-230V cable installations, interconnecting switchboards, safe power supplies and to final field consumer including cable routing, earth & bonding and installation materials. Including design, manufacture, management, FAT, supply, installation, SAT etc.	CZK
92	A set of complete signal & control cables installation for CMS Instrument and bus cable communications including cable routing, earth & bonding and installation materials. Including design, manufacture, management, FAT, supply, installation, SAT etc..	CZK
93	Earthing.	CZK
<b>94</b>	<b>Subtotal, Electrical Equipment (sum 80-93)</b>	<b>CZK</b>
<b>Control and Monitoring System (CMS)</b>		
100	Controller and RIO panels (Level 1) incl. application programming. Including necessary signal interface to the Existing facility.	CZK
101	Overall CMS with the equipment for level 2 and 3 incl. application programming and par metering and licences	CZK
102	Mounting/installation of RIO panels/cabinets and associated IO communication modules incl. RIO panels/cabinets and associated IO communication modules related to MCC cabinets/ACC cabinets. Mounting/installation of CCTV camera(s).	CZK
103	Delivery, erection and installation of all CMS cable routing, cable ladders, cable trays and cable conduit. For all CMS equipment,	CZK
104	All instruments, component and intelligent equipment outside the CMS	CZK
105	Bus communication cables for all instruments, component and intelligent equipment and signal cabling between instrumentation and communication interfaces.	CZK

106	Mounting/installation of all instruments, component and intelligent equipment.	CZK
107	All associated bus- and signal-cable pulling, termination and all adaptation work.	CZK
108	Design basis for programming the overall control and monitoring system (CMS).	CZK
109	FAT and SAT including participation in and execution of all testing necessary for the CMS.	CZK
110	CCTV equipment for the entire plant	CZK
111	RIO panels	CZK
<b>120</b>	<b>Subtotal, Control and Monitoring System (CMS) (sum 100-111)</b>	<b>CZK</b>
<b>Construction Work and Standard Projects</b>		
130	Supporting steel constructions for the components of the system, including sole plates.	CZK
131	All suspensions and supports for ducts, pipes, safety valves, sound absorbers etc. as well as the exchanges necessary to transmit the suspension forces/support forces from the installations to the primary building structures.	CZK
132	Insulation, cladding and surface treatment of the components supplied.	CZK
133	All platforms, galleries and stairways necessary for - in the Employer's opinion - appropriate operation, service and maintenance of the Contract Object as well as galleries for escape routes in accordance with HSE requirements, including platforms at all measuring points, valves, suspensions etc.	CZK
134	Foundation bolts, templates for concreting as well as the necessary grouting of all machine/equipment supports, which support and transfer loads to the building structures. The Contractor is responsible for a correct arrangement, alignment and inspection of these prior to the concreting	CZK

135	Closing of all penetrations due to pipes, ducts and cables including fire protection. Each room is to be considered as a separate fire cell. All penetrations must be covered by means of a steel plate.	CZK
<b>136</b>	<b>Subtotal, Construction works and Standard Projects (sum 130-135)</b>	<b>CZK</b>
<b>Miscellaneous Equipment</b>		
140	All necessary equipment (pump(s), piping, control facilities etc.) for reusing of washing water and similar waste water streams collected in the waste water pit	CZK
141	All necessary ventilators, pumps, filters etc., which may not be specified in the above items and, furthermore, all connecting parts such as ducts, pipes, valves, dampers, compensators etc.	CZK
142	All chemicals, lubricants, hydraulic fluids and refrigerants needed for commissioning of the Line. The silos and tanks for chemicals like Ca(OH) <sub>2</sub> , CaO, activated carbon and HOK etc. shall be filled completely at start Trial operation period.	CZK
143	Ventilation and cooling of motors, components, panels etc.	CZK
144	All necessary crane facilities, tackles, hoists etc. for maintenance.	CZK
145	All necessary special tools for operation and maintenance shall be included in the Contract Object	CZK
<b>146</b>	<b>Subtotal, Miscellaneous Equipment (sum 140-145)</b>	<b>CZK</b>
<b>Wear Parts</b>		
150	All wear parts necessary for the operation until the end of the ordinary 2 years Warranty period according to the specifications in appendix A10.	CZK
151	Grate bars unit price valid for the period according to the part II.g <i>Guarantees</i> .	CZK
<b>Spare Parts</b>		
160	All spare parts necessary according to the specifications in appendix A10.	CZK

<b>Project Execution, Documentation and Temporary Works</b>		
170	Project management, administration and coordination related to the execution of the Contract Object in compliance with the Contract.	CZK
171	All related costs for Resources according to the Contract.	CZK
172	All work related to Quality Assurance.	CZK
173	CE-marking and preparation of Certificate of Conformity.	CZK
174	Participation in project meetings, site meetings and other meetings required by the Employer	CZK
175	All Temporary Works necessary for completion of the Contract Object.	CZK
176	Coordination related to health, safety and environment (HSE)	CZK
177	Site Cost, fencing, offices, accommodation facilities, welfare facilities etc.	CZK
178	Documentation of the Contract Object in accordance with the Contract.	CZK
179	Operation and Maintenance manual.	CZK
180	Training in accordance with Appendix A8.	CZK
181	All transport and erection for execution of the Contract Object.	CZK
182	Testing and commissioning of the Line.	CZK
183	Assistance during Performance tests.	CZK
184	Cleaning and clearing of the site	CZK
185	Other (as specified below)	CZK
<b>186</b>	<b>Subtotal, Project Execution, Documentation and Temporary Works (sum 170-185)</b>	<b>CZK</b>

**Civil construction cost – Existing SO 101 waste bunker**


---

190	Site preparation and demolition works	CZK
191	Site works and excavation	CZK
192	External utilities	CZK
193	Concrete works	CZK
194	Steel works	CZK
195	Facades and cladding including architecture	CZK
196	Internal finishes	CZK
197	HVAC/plumbing	CZK
198	Electrical installations, building	CZK
<b>199</b>	<b>Subtotal, Civil construction - Existing SO 101 waste bunker (sum 190-198)</b>	<b>CZK</b>

**Civil construction cost – Existing SO 102 boiler hall**


---

200	Site preparation and demolition works	CZK
201	Site works and excavation	CZK
202	External utilities	CZK
203	Concrete works	CZK
204	Steel works	CZK
205	Facades and cladding including architecture	CZK
206	Internal finishes	CZK
207	HVAC/plumbing	CZK
208	Electrical installations, building	CZK
<b>209</b>	<b>Subtotal, Civil construction - Existing SO 102 boiler hall (sum 200-208)</b>	<b>CZK</b>

**Civil construction cost – Existing SO 103 IBA  
treatment hall**


---

210	Site preparation and demolition works	CZK
211	Site works and excavation	CZK
212	External utilities	CZK
213	Concrete works	CZK
214	Steel works	CZK
215	Facades and cladding including architecture	CZK
216	Internal finishes	CZK
217	HVAC/plumbing	CZK
218	Electrical installations, building	CZK
<b>219</b>	<b>Subtotal, Civil construction - Existing SO 103 IBA treatment hall (sum 210-218)</b>	<b>CZK</b>

**Civil construction cost – Existing SO 106  
Transformers**


---

220	Site preparation and demolition works	CZK
221	Site works and excavation	CZK
222	External utilities	CZK
223	Concrete works	CZK
224	Steel works	CZK
225	Facades and cladding including architecture	CZK
226	Internal finishes	CZK
227	HVAC/plumbing	CZK
228	Electrical installations, building	CZK
<b>229</b>	<b>Subtotal, Civil construction - Existing SO 106 Trafoes (sum 220-228) + SO 412 HVS</b>	<b>CZK</b>

**Civil construction cost – Existing SO 411 Sorting and turbine hall**


---

230	Site preparation and demolition works	CZK
231	Site works and excavation	CZK
232	External utilities	CZK
233	Concrete works	CZK
234	Steel works	CZK
235	Facades and cladding including architecture	CZK
236	Internal finishes	CZK
237	HVAC/plumbing	CZK
238	Electrical installations, building	CZK
<b>239</b>	<b>Subtotal, Civil construction - Existing SO 411 Sorting line and turbine hall (sum 230-238)+ SO 412 HVS</b>	<b>CZK</b>

**Civil construction cost – New SO 501 waste bunker extension** (selectable option for negotiation)
 

---

240	Site preparation and demolition works	CZK
241	Site works and excavation	CZK
242	External utilities	CZK
243	Concrete works	CZK
244	Steel works	CZK
245	Facades and cladding including architecture	CZK
246	Internal finishes	CZK
247	HVAC/plumbing	CZK
248	Electrical installations, building	CZK
<b>249</b>	<b>Subtotal, Civil construction - New SO 501 waste bunker extension (sum 240-248)</b>	<b>CZK</b>

**Civil construction cost – New SO 502 Boiler, FGT and machine hall**

250	Site preparation and demolition works	CZK
251	Site works and excavation	CZK
252	External utilities	CZK
253	Concrete works	CZK
254	Steel works	CZK
255	Facades and cladding including architecture	CZK
256	Internal finishes	CZK
257	HVAC/plumbing	CZK
258	Electrical installations, building	CZK
<b>259</b>	<b>Subtotal, Civil construction - New SO 502 Boiler, FGT and machine hall (sum 250-258)</b>	<b>CZK</b>

**Civil construction cost – others minor civil works**

260	Site preparation and demolition works	CZK
261	Site works and excavation	CZK
262	External utilities	CZK
263	Concrete works	CZK
264	Steel works	CZK
265	Ground works	CZK
266	Internal roads and parking plot	CZK
267	Landscaping	CZK
<b>268</b>	<b>Subtotal, Civil construction - others minor civil works (sum 260-267)</b>	<b>CZK</b>

<b>270</b>	<b>Subtotal, civil part – total (sum 199+209+219+229+239+249+259+268)</b>	<b>Kč</b>
	<b><u>Guarantees cost</u></b>	
280	Hedging cost for Contract Amount in CZK according to the Contract.	CZK
281	Bank guarantees/securities according to the Contract	CZK
282	Insurance according to the Contract	CZK
<b>283</b>	<b>Subtotal, guarantees (sum 280-282)</b>	<b>CZK</b>
<b>290</b>	<b>Contract Amount, exclusive of VAT (sum 18+26+37+43+52+64+73+94+120+136+146+150+ 160+186+199+209+219+229+239+249+259+268+ 283)</b>	<b>CZK</b>

## 5.2 Options

301	Low temperature economizer and flue gas condensation.	<u>CZK</u>
302	Design for future interconnection of steam header for Line with steam header for Existing facility.	<u>CZK</u>
303	New active carbon big bas storage system	<u>CZK</u>
304	New quick lime silo	<u>CZK</u>
305	Document management system	<u>CZK</u>
<u>306</u>	<u>10 m3</u> waste crane grabs	<u>CZK</u>
<u>307</u>	Railway siding	<u>CZK</u>
		<u> </u>

## 5.3 Optional unit prices

401	Price per m <sup>2</sup> additional gallery inclusive all necessary bearings, suspensions and railings not required in Contract.	<u>CZK</u>
402	Price per m. additional stairways inclusive all necessary suspensions and railings at both sides not required in Contract.	<u>CZK</u>
403	Man-hour rates for project managers	<u>CZK</u>
404	Man -hour rates for engineers	<u>CZK</u>
405	Man-hour rates for welders and fitters at site	<u>CZK</u>
406	Man-hour rates site manager inclusive accommodation and travel.	<u>CZK</u>
407	Man-hour rates site personnel inclusive accommodation and travel.	<u>CZK</u>
408	Man- hour rates other personnel inclusive accommodation and travel.	<u>CZK</u>