Appendix 7 Total price and pricing provisions

All costs in NOK excluded VAT/MVA

Date	25.10.09
Company Name	ErgoGroup AS
Exchange rate used	
Currency used	NOK

Totals (Sum from tables 1 - 7 below)	Total contract value ex. Options	Total value of options	Total Cost used for price comparison
1: Total cost Optional services, Personnel cost pr hour	NA	kr 2 300 000	kr 2 300 000
2: Total Cost Development / customisation of Use Cases	kr 7 514 500	NA	kr 7 514 500
3: Total Cost Development / customisation of Options	NA	kr 2 002 450	kr 1 312 178
4: Total Cost Software Components	kr 18 675 750	kr 611 250	kr 19 164 750
5: Total Cost HW 2011	NA	NA	kr 420 360
6: Sum Optional services for Implementation (2011) and optional project cost	NA	kr 1 823 959	kr 1 414 006
7: Total Cost Other Contractor project costs until September 2011	kr 2 155 500	NA	kr 2 155 500
Grand Total	kr 28 345 750	kr 6 737 659	kr 34 281 293

Payment milestones	Contract Planned date (latest)	% of total contract value	Total payment in NOK
Licenses standard software (ref table 4), prototyping, analysis	15-des-2009	40 %	kr 11 338 300
Payments deliverables according to project plan	Total for all deliveries		kr -
-MP11 Installation date	1/11-2010	10 %	kr 2 834 575
			kr -
Final Acceptance test	31-des-2010	30 %	kr 8 503 725
Final delivery	01-apr-2011	10 %	kr 2 834 575
Guarantee period 1	01-nov-2011	5 %	kr 1 417 288
Guarantee period 2	01-apr-2012	5 %	kr 1 417 288
Total		**100 %**	**kr 28 345 750**

1: Optional services, Personnel cost pr hour	For extra services ordered by the Principal based on hours used (t&m), the following prices will apply:		
Role	Cost pr hour Norwegian kroner (excluded VAT/MVA)	Number of Hours used for price comparison	Cost used for price comparison
Project management in Oslo			
System specialist in Oslo			
Experienced SW-developer in Oslo			
System specialist at Contractors home office			
Experienced SW-developer at Contractors home office			
1: Total cost Optional services, Personnel cost pr hour			**kr 2 300 000**

2: Development/customisation cost for Use Cases							

Use case:	Development/ Customisation (Hours)	Your Overhead (Project management, inc. for instance specification, unit testing and deployment ++) (Hours)	Total hours per Use Case	Total cost per Use Case (NOK)	Probability of purchase (0-100%) Values less than 100% is an option to purchase	Cost used for price comparison	Hours required for customer involvement during spesification, development and testing.
UC 0.1 Definition of roles				kr 280 000	100 %	kr 280 000	25
UC 0.2 Configuration of The Election System				kr 420 000	100 %	kr 420 000	37
UC 0.3 Electoral Roll				kr 70 000	100 %	kr 70 000	80
UC 0.4 Exception process for Electoral Roll				kr 70 000	100 %	kr 70 000	80
UC 1.2 Processing list proposals				kr 224 000	100 %	kr 224 000	20
UC 2.1 E-voting				kr 1 963 500	100 %	kr 1 963 500	209
UC 3.1 Registration of p-votes in Electoral Roll				kr 140 000	100 %	kr 140 000	12
UC 3.2 Manual registration of p-vote results				kr 140 000	100 %	kr 140 000	12
UC 3.4 Counting e-votes				kr 924 000	100 %	kr 924 000	98
UC 3.5 Approval of p-votes and ballots				kr 112 000	100 %	kr 112 000	10
UC 4.2 Settlement				kr 280 000	100 %	kr 280 000	25
UC 5.1 Reporting				kr 350 000	100 %	kr 350 000	31
UC 5.2 Auditing				kr 959 000	100 %	kr 959 000	88
UC 9.1 Authentication				kr 1 582 000	100 %	kr 1 582 000	147
2: Total Cost Development / customisation of Use Cases				**kr 7 514 500**		**kr 7 514 500**	**874**

3: Development/customisation of options

Use case:	Development/ Customisation (Hours)	Your Overhead (Project management, inc. for instance specification, unit testing and deployment ++) (Hours)	Total per option (Hours)	Total cost per option (NOK)	Probability of purchase (0-100%) Values less than 100% is an option to purchase	Cost used for price comparison	Hours required for customer involvement during spesification, development and testing.
Use Case: UC 1.1 Submission of list proposals				kr 468 350	70 %	kr 327 845	80
Use Case: UC 3.3 Electronic counting of p-votes				kr 413 250	95 %	kr 392 588	240
Use Case: UC 4.1 Reporting of results to SSB				kr 55 100	95 %	kr 52 345	20
Requirement EIS5 The system shall interface with Altinn for the submission of list proposals (option).				kr -	50 %	kr -	
Requirement OS 0.12B The Election System shall provide the e-voter with 'end-to-end' proof that the cast vote is received, recorded and counted as the voter intended. NOTE: To contract vote selling, this option may require a judicial process, where the confirmation that the vote is correctly counted is obtained in a controlled environment.				kr 543 750	80 %	kr 435 000	120
Requirement OS 7.9 Where asymmetrical cryptographic private keys are shared as per OS7.7, they shall be generated using multiparty computation, so the private keys will not be known to anyone before they are to be used. For further reference see Realizing Distributed RSA Key Generation using VIFF (Mauland, Reistad & Mjølsnes 2009)				kr 522 000	20 %	kr 104 400	100
3: Total Cost Development / customisation of Options				**kr 2 002 450**		**kr 1 312 178**	**560**

4: Software component cost	You must list all SW components we have to pay for

Name of component	Name of the component provider	Component cost 2011 pilots (If any)	Extra component costs for full implementation in Norway (If any)	Yearly maintenance cost 2012 -	Probability of purchase full implementation (0-100%)	Cost used for price comparison (2011 + full impl. + 5 year maintenance)
E-voting SW components						
E-voting core system based on Pnyx	Scytl	kr 5 500 000	kr -	kr -	70 %	kr 5 500 000
		kr -	kr -	kr -	70 %	kr -
		kr -	kr -	kr -	70 %	kr -
		kr -	kr -	kr -	70 %	kr -
		kr -	kr -	kr -	70 %	kr -
		kr -	kr -	kr -	70 %	kr -
E-counting SW components						
E-counting core system, developed by the contractor, embedded with Readsoft Documents for forms	ErgoGroup	kr 1 575 750	kr 611 250	kr -	80 %	kr 2 064 750
		kr -	kr -	kr -	80 %	kr -
		kr -	kr -	kr -	80 %	kr -
		kr -	kr -	kr -	80 %	kr -
		kr -	kr -	kr -	80 %	kr -
		kr -	kr -	kr -	80 %	kr -
		kr -	kr -	kr -	80 %	kr -
Election administrative SW components						
Election administrative core system, developed by the contractor	ErgoGroup	kr 11 600 000	kr -	kr -	95 %	kr 11 600 000
			kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
Other required SW Components						
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
		kr -	kr -	kr -	95 %	kr -
4: Total Cost Software Components		**kr 18 675 750**	**kr 611 250**			**kr 19 164 750**

5: Hardware cost 2011

Fill in the elements of the proposed solution in "Appendix 3 – Customer Technical Platform" for the elections in 2011. Costs incurred by the need for duplication of services in a hot standby site need not be specified, nor should network security or infrastructure be included in the pricing. The Tenderer has to cover own expenses for development environment and infrastructure and hardware cost related to their own development and testing.

Name of component	Description	Component cost	Quantity	Estimate (NOK)	Probability of purchase	Cost used for price comparison
HP DL360G5, 1 quad CPU, 2.5 GHZ, 2GB memory, space for 4 drives, with 4 discs	Mid-size one quad core CPU	kr -		kr 234 360	0 %	kr 234 360
HP DL360G5, 1 quad CPU, 2.5 GHZ, 2GB memory, space for 4 drives, with 4 discs	Mid-size two quad core CPUs	kr -		kr 46 128	0 %	kr 46 128
HP DL580, 2 quad core, 4GB memory, space for 8 drives, with 8 discs	Large two quad core CPUs	kr -		kr 139 872	0 %	kr 139 872
		kr -		kr -	0 %	kr -
		kr -		kr -	0 %	kr -
		kr -		kr -	0 %	kr -
		kr -		kr -	0 %	kr -
		kr -		kr -	0 %	kr -
		kr -		kr -	0 %	kr -
		kr -		kr -	0 %	kr -
		kr -		kr -	0 %	kr -

		Cost pr unit		Cost	Probability of purchase	Cost used for price comparison
		kr -		kr -	0 %	kr -
		kr -		kr -	0 %	kr -
5: Total Cost HW 2011						**kr 420 360**

6: Optional services for Implementation (2011) and optional project cost

Based on your knowledge of our project and your experience, please make a estimate of the services for the implementation of the system in the pilot municipalities included the election in September 2011

Service Description	Description	Cost pr unit	Quantity	Cost	Probability of purchase	Cost used for price comparison
Cost of waiving the claims of reservations from standard agreement development(SSA-U)	Describe your reservations in SSA-U App 8 Changes to the General Contractual Wording			kr -	95 %	kr -
Cost of waiving the claims of reservations from standard agreement mainteneance (SSA-V)	Describe your reservations in SSA-V App 8 Changes to the General Contractual Wording				50 %	kr -
Cost of being paid in NOK rather than own currency	Currency risk, can be negative			kr -	50 %	kr -
Cost of being paid in later than described (total contract sum)	% Pro Anno, 2months later payment	10 %	2	kr 472 429	50 %	kr 236 215
Contractor Office cost in Oslo (if any)	Specify #persons in oslo	0	25	kr -	50 %	kr -
Training , different course length, all preparation and documents included	Cost pr day, Principal cower facility cost			273 280	95 %	kr 259 616
Deployment of solution to operating environment				475 000	95 %	kr 451 250
System configuration per pilot				114 000	30 %	kr 34 200
Preparation of scan centre(E-counting) pr scan centre				71 250	50 %	kr 35 625
System Support e-counting (08:00-16:00 for one week).	2. line telephone support			kr 38 000	95 %	kr 36 100
System Support election administration (07:00-16:00) from 1.march to election day	2. line telephone support			kr 380 000	95 %	kr 361 000
System support e-voting 24Hrs/7days from July 1st to election day	2. line telephone support			kr -	95 %	kr -
6: Sum Optional services for Implementation (2011) and optional project cost				**kr 1 823 959**		**kr 1 414 006**

7: Contractor project cost until September 2011

Please present all the Contractor costs that are necessary to deliver a complete project in 2011. Give only the project cost not already specified in table 1-6 . The Tenderers core team must be located in Oslo, Norway, and all travel cost and cost related to presence in Oslo, if any, must be included in the tender.

Other project cost not included above	Description	Cost pr unit	Quantity	Cost	Probability of purchase	Cost used for price comparison
Cost of travel, accommodation				kr 250 000	100 %	kr 250 000
Contractor Security test				kr -	100 %	kr -
Contractor Performance and volume test				kr 142 500	100 %	kr 142 500
Contractor Usability and accessibility test				kr 262 500	100 %	kr 262 500
Contractor System test (Fac. acc. Test)				kr 655 500	100 %	kr 655 500
Cost of development and test environment				kr 45 000	100 %	kr 45 000
Project management				kr -	100 %	kr -
Documentation				kr 800 000	100 %	kr 800 000
Other costs…….				kr -	100 %	kr -
				kr -	100 %	kr -
				kr -	100 %	kr -
				kr -	100 %	kr -
7: Total Cost Other Contractor project costs until September 2011				**kr 2 155 500**		**kr 2 155 500**

8: Other products and services offered	Based on your knowledge of our project and your experience, please describe and price other products and services that might be relevant for the Principal. These costs will not be counted in when evaluating Tender price.				
Description of service	Description	Cost pr unit	Quantity	Cost per service	Probability of purchase
Rental of hardware for full scale performance testing	Price upon request				?%
If the 20 days of training is held throughout Norway, documented travel expenses will be billed. We don´t know if you plan to hold all training in Oslo, or in the different pilot municipalities. We have here put in an average travel cost of 5.000 NOK per training day.		5 000	20	100 000	?%
8: Total Cost Optional services for Implementation (2011)					