

Port Network Plan and Improvement Programme: Renovation of the Ferry Terminals of Baku and Turkmenbashi

Tender Documents (Draft) Ferry Terminal, Baku October 1997

1. INTRODUCTION

The Tender Documents for the civil and building works for renovation of the Ferry Terminal in Baku comprise the following documents:

VOL. VOL. VOL. VOL.	l H HLi HLii HLiii	The Tender The Contract The Works, Bill of Quantities The Works, Specifications The Works, Drawings
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The present volume III.i of the Tender Documents, being subject of the Bill of Quantities, comprises the method of measurements, the schedule of rates and the bill of quantities for the execution of the works as well as a summary of costs of works.

The present document is available both in English and in Russian with English being the contractual language of the project.

In case if any discrepancy between the English version and the Russian version, the English version prevails.

2. BILL OF QUANTITIES

2.1 Preamble

- The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Special Conditions of Contract, Technical Specifications, and Drawings.
- 2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
- 3. The Bill of Quantities comprises two categories of items, namely "fixed items" and "variable items".
 - i. "Fixed items" means items for which the total price is fixed and shall not be subject to any changes whatsoever (excempt adjustments according to clauses 51, 52 and 70 of Part 1, Contract Conditions). The payment will be based on the ratio between the quantity of work carried out to the total amount of work tendered and multiplied by the total price for this item. The Bidder may change the quantities indicated under these items in the priced Bill of Quantities in accordance with the opinion of the Bidder.
 - ii. "Variable items" marked by * in the Bill of Quantities means items for which payment will be based on the exact quantity of work carried out, which may be zero, and multiplied by the unit price for this item.

Provisional/optional items are also marked with *.

- 4. The rates and prices bid in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Constructional Plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.
- 5. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
- 6. The whole cost of complying with the provisions of the Contract shall be included in the Items provided in the priced Bill of Quantities, and where no Items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work. No claims whatsoever for additional payments will be allowed for any error, misunderstanding, omission or lack of foresight by the Bidder of the works and obligations involved.

VOL III.i - Bill of Quantities

n. e. = not exceeding
Dwg. = drawing
h = hour
wk = week
mon = month
ha = hectare
LS = lump sum
PS = provisional sum
AZM = Azerbaijan Manat
USD = U. S. Dollar

2.2 Bill of Quantities

Bill No.: 00, Mobilisation - Geotechnical Investigations

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
00	Mobilization, Demobilization, site				
	Mobilization incl. setting up camp, temporary				
	power and water, etc. (not to exceed 10 % of the				
00.001	tender)	LS	-	-	
00.002	Demobilization incl. cleaning up	LS	-		
00.003	Running costs of site	LS	_	-	
00.004	Engineer's office	LS	-	-	
00.005	Furniture and equipment in Engineer's office	LS	-	-	
00.006	Survey equipment for Engineer	LS	-	-	
00.007	Vehicle with driver for Engineer	LS	-	-	
					ļ
00.008	Other items (to be specified)		ļ	ļ	
01	Geotechnical Investigations				
	Mobilisation, demobilisation on site	-	<u> </u>	-	
04.404	Mob. and demob. of all personnel and personnel				
01.101	facilities	LS	-		
01.102	Mob. and demob. of on-site laboratory	LS			
01.103	Mob. and demob. of on-shore drill-rig	LS LS		 	-
01.104	Mob. and demob. of off-shore drill-rig	LO	<u> </u>	-	
	Drilling operations, on-shore	_			
ļ	Drining operations, on-shore		<u> </u>		
01.201	Mob. and demob at boring location (land)	nos.	9		
01.202	Boring 0-5 m below ground surface	m	50		
01.202	Boring 5-10 m below ground surface	m	50		
01.203	Boring 10-15 m below ground surface	m	10		
01.204	Boring 15-20 m below ground surface	m	5		
01.205	Sampling, disturbed	nos.	80		
01.206	Sampling, undisturbed	nos.	30	<u> </u>	
01.207	In-situ testing.	-	-	_	-
	01. Vane test	nos.	30		
	02. SPT	nos.	30		
	03. CPT	m	100		
	04. Other types. (To be specified)				
					ļ
					ļ
01.208	Standpipes	m	75		
04.044	NACH and described to retire (micro)	200	1	<u> </u>	
01.211	Mob. and demob at boring location (pier)	nos.	2	 	
01.212	Boring 0-5 m below sea bed	m	10	+	
01.212	Boring 5-10 m below sea bed	m	10	 	+
01.213	Boring 10-15 m below sea bed	m	10		
01.214	Boring 15-20 m below sea bed	m		 	+
01.215	Sampling, disturbed	nos.	40 15	 	
01.216	Sampling, undisturbed	nos.	15	 	
L	Subtotal (Carry to next page)	<u> </u>	<u> </u>	1	_L



Bill No.: 01, Terminal Area Arrangement

Demolition works Dismantling/demolition of building No. 35 (according to specifications) including cleaning of the area and transportation of debris to approved the area and transportation of debris to approved Demolition Demolit	Item No	Description	Unit	Quantity	Unit price	Total price
(according to specifications) including cleaning of the area and transportation of debris to approved dump as described in specifications LS -	02.	Demolition works		1		111 000
(according to specifications) including cleaning of the area and transportation of debris to approved dump as described in specifications LS -		Dismantling/demolition of building No. 35				
the area and transportation of debris to approved dump as described in specifications 02.001 dump as described in specifications 1 he same for building No. 38		(according to specifications) including cleaning of				
02.001 dump as described in specifications LS -		the area and transportation of debris to approved		1		
02.002 The same for building No. 36		dump as described in specifications	LS	_	_	
02.003 The same for building No. 37 LS	02.002			-	_	
02.004 The same for building No. 38	02.003	The same for building No. 37		_	_	
02.005 The same for building No. 39				_		
02.006 The same for structure No. 40 LS - -	02.005	The same for building No. 39		_	-	
02.007 The same for building No. 41 LS -	02.006	The same for structure No. 40			-	
02.008 The same for building No. 42 02.019 The same for building No. 43 02.010 The same for building No. 44 02.011 The same for building No. 46 02.012 The same for building No. 46 02.013 The same for building No. 46 02.014 The same for building No. 47 02.015 The same for building No. 48 02.015 The same for building No. 49 02.016 The same for building No. 50 02.017 The same for building No. 50 02.016 The same for building No. 50 02.017 The same for building No. 52 02.018 The same for building No. 57 02.019 The same for building No. 57 02.019 The same for building No. 57 02.010 The same for building No. 57 02.011 The same for building No. 57 02.012 The same for building No. 58 02.020 The same for building No. 61 02.020 The same for building No. 62 02.021 The same for building No. 63 02.022 The same for building No. 63 02.024 The same for building No. 66 02.025 The same for building No. 67 02.020 The same for building No. 67 02.021 The same for building No. 67 02.022 The same for building No. 67 02.023 The same for building No. 67 02.024 The same for building No. 67 02.025 The same for building No. 67 02.026 The same for building No. 67 02.027 The same for structure No. 69 02.027 The same for structure No. 69 02.028 The same for building No. 71 02.029 The same for structure No. 69 02.030 No. 10 02.031 The same for structure No. 99 02.032 The same for structure No. 99 02.033 The same for structure No. 99 02.034 The same for building No. 71 02.030 No. 10 02.031 The same for asphalt from road pavements 02.032 The same for building volvs 02.034 Transportation of the building works 03. 03. 03. 03. 03. 03. 03. 03. 03. 03.	02.007	The same for building No. 41		 		-
02.009 The same for building No. 43 LS - -	02.008					
02.010 The same for building No. 44 LS -	02.009			 		
102.011 The same for building No. 46 LS -	02.010				_	
02.012 The same for building No. 47	02.011					
02.013 The same for building No. 48 LS - -	02.012					
02.014 The same for building No. 49 LS - -	02.013			 		
02.015 The same for building No. 50 02.016 The same for building No. 52 02.017 The same for building No. 53 02.018 The same for building No. 53 02.019 The same for building No. 57 02.019 The same for building No. 58 02.020 The same for building No. 59 02.021 The same for building No. 61 02.022 The same for building No. 61 02.022 The same for building No. 63 02.023 The same for building No. 63 02.024 The same for building No. 63 02.025 The same for building No. 66 02.025 The same for building No. 66 02.026 The same for building No. 67 02.027 The same for building No. 68 02.027 The same for building No. 68 02.027 The same for building No. 71 02.028 The same for structure No. 69 02.029 The same for structure No. 99 02.020 The same for structure No. 99 02.030 The same for structure No. 99 02.031 The same for structure No. 99 02.032 The same for structure No. 99 02.030 The same for structure No. 99 02.031 The same for structure No. 99 02.032 The same for structure No. 99 03.030 The same for structure No. 99 04.80 The same for structure No. 99 05.040 The same for structure No. 99 06.050 The same for structure No. 99 07.080 The same for structure No. 99 08.090 The same for structure No. 99 09.090 The same for structure No. 99 09.000 The same for structure	02.014			 		
02.016 The same for building No. 52 02.017 The same for building No. 53 02.018 The same for building No. 53 02.019 The same for building No. 57 02.019 The same for building No. 58 02.020 The same for building No. 59 02.021 The same for building No. 61 02.022 The same for building No. 62 02.023 The same for building No. 63 02.024 The same for building No. 63 02.025 The same for building No. 66 02.026 The same for building No. 67 02.027 The same for building No. 68 02.028 The same for building No. 68 02.029 The same for building No. 68 02.020 The same for building No. 68 02.020 The same for structure No. 69 02.020 The same for structure No. 69 02.020 The same for structure No. 99 02.020 The same for Structure No. 99 02.021 The same for Structure No. 99 02.022 The same for building No. 71 02.023 The same for Structure No. 99 02.024 The same for structure No. 99 02.025 The same for structure No. 99 02.026 The same for structure No. 99 02.027 The same for Structure No. 99 02.028 The same for Structure No. 99 02.030 The same for Structure No. 99 02.030 The same for C-piles located in front of berth 02.031 The same for asphalt from road pavements 02.032 The same for asphalt from road pavements 02.034 No. 10 02.031 The same for asphalt from road pavements 02.032 The same for asphalt from road pavements 02.034 No. 10 02.034 No. 10 02.035 The same for asphalt from road pavements 02.046 No. 10 02.047 Demolition of concrete building works 02.048 No. 10 02.048 Demolition of brickwork/light structures 02.049 Demolition of brickwork/light structures 02.044 No. 10 02.041 Demolition of brickwork/light structures 02.043 No. 10 02.044 No. 10 02.045 No. 10 02.	02.015					
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02.024 The same for building No. 66 LS - - 02.025 The same for building No. 67 LS - - 02.026 The same for building No. 68 LS - - 02.027 The same for structure No. 69 LS - - 02.028 The same for building No. 71 LS - - 02.029 The same for structure No. 99 LS - - The same for RC -piles located in front of berth No. 10 LS - - 02.030* The same for asphalt from road pavements m3 2140 Removal of 20 cm thick existing base for road pavements to depot on site m3 4280 02.032 Additional Demolition m3 - 02.041* Demolition of concrete building works m3 - 02.042* Demolition of brickwork/light structures m3 - 02.043* Loading of building rubbish on truck m3 - 02.045* Transportation of the building debris to approved dump site m3 - 02.045* Other items (to be specified) m3 -						
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Demolition of concrete building works m3 - Demolition of brickwork/light structures m3 - D2.042* Demolition of brickwork/light structures m3 - D2.043* Loading of building rubbish on truck m3 - Transportation and stacking of debris in depot on site m3 - Transportation of the building debris to approved dump site m3 - D2.045* dump site m3 - D3.050 Other items (to be specified)			1110	4200		
Demolition of concrete building works m3 - Demolition of brickwork/light structures m3 - Demolition of brickwork/l		Additional Demolition				
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D2.043* Loading of building rubbish on truck m3 - Transportation and stacking of debris in depot on site m3 - Transportation of the building debris to approved dump site m3 - D2.045* Other items (to be specified)	02.042*	Demolition of brickwork/light structures				
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Transportation of the building debris to approved dump site m3 - O2.045* Other items (to be specified)	2.044*	site	m3			
02.045* dump site m3 - D2.050 Other items (to be specified)			1113			
02.050 Other items (to be specified)			m2		1	
(* Zz zpecinica)			1113	-		
Total (Carry to summary bill No. 01 - item No. 02)		(Spooniou)				
		Total (Carry to summary hill No. 01 - item No. 00)				



Bill No.: 01, Terminal Area Arrangement

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
12	Electrical Installations				
	Site power supply				
	Laying of cable weighing up to 1 kg/m including				
12.001	trenching works, safety bricks covering, etc.	m	1865		
12.002	The same, weighing up to 3 kg/m	m	20		
12.003	The same, weighing up to 6 kg/m	m	1280		
12.004	Laying of wire on buckles on walls	m	27		
	Laying of wire in steel pipes, d=100 m, crossing				
12.005	under road areas, etc.	m	60		
12.006	The same for asbestos cement pipes, d=100 mm	m	60		
12.007	The same for vinil plastic pipes, d=50 mm	m	20		
12.008	The same, d=20 mm	m	40		
12.000	Cost of the ÀÂÂÁ type cable, sec. 3x4+1x2.5				
12.009	mm2	m	1135	ļ	
12.010	The same, sec. 3x6+1x4 mm2	m	360		
12.011	The same, sec. 3x0+1x6 mm2	m	240		
12.012	The same, sec. 3x6+1x0 mm2	m	150		
12.012	The same, sec. 3x5+1x5 mm2	m	1280		
12.010	The same, see, say the mine	.,,,		<u> </u>	
	Outside lighting				
<u> </u>	Installation of steel lighting poles, 9 m high, incl.	· · · · · · · · · · · · · · · · · · ·			
12.015	foundations, brackets (Ê-II type)	no	24		
12.013	Installation of fixtures for outside lighting, NEÇĐ-	110			
12.016	250 with lamps ÄÐË-250	set	24		
	Installation of the Ó-614 switch box	no	24		
12.017		110			
10.040	Installation of the ÏÆÑ-35 search light with lamps	20	2		
12.018	of 500 W	no	8		
12.019	The same, ÏÇÑ-45 with lamps of 1000 W	no	1	ļ	
12.020	Installation of the ÏĐ41-4301-43 distribution box	no	1 1	<u> </u>	
12.021	The same, photo switch ÏĐÎ-68-1	no	 		
	Installation of a steel flood lighting mast, 18 m	i,			
40.000	high, including foundation, automata ÏÂÇ-6 and				
12.022	ÀÅ1031, ßĺÓ-8501	no	1 100		<u> </u>
12.023	Laying of steel pipes, d=20 mm along the mast	no	120		
l	Pull-in of the ÀÏĐÒÎ type wire, sec. 2.5 mm2 in		5.10		
12.024	the pipe	m	540		
12.025	The same, sec. 4 mm2	m	120		
	Pull-in of the cable in steel pipe d=150 mm,				
12.026	crossing under road areas	m	48		
	Telephone communication				
	Installation of asbestos cement pipe, d=100mm,				
12.030	incl. trenching	m	685		
	Pull-in of the Oïi-100õ0.4 mm2 phone cable in				
12.031	pipes incl. trenching, covering, etc.	m	140		
<u> </u>	Subtotal (Carry to next page)		1		

- 7. General directions and descriptions of work and materials are not necessarily repeated nor summarised in the Bill of Quantities. References to the relevant sections of the contract documentation shall be made before entering prices against each item in the priced Bill of Quantities. When an item is mentioned, it shall thus mean that said item shall be supplied and delivered, manufactured if necessary, and correctly installed and finished, including usual auxiliary material, etc., unless otherwise explicitly stated.
- 8. Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with Sub-Clause 52.4 and Clause 58 of Part I of the Conditions of Contract.
- 9. Unless stated or billed otherwise, quantities of completed works will be measured in accordance with the "Standard Method of Measurement" issued by the Institution of Civil Engineers, London (1976), and are net as they are finished and fixed in the Works according to final drawings approved by the Engineer. The rates and prices shall include whatever allowance is considered by the Contractor to be necessary for waste, working area, construction slopes, batters, etc.
- 10. Errors will be corrected by the Employer for any arithmetic errors in computation or summation as follows:
 - (a) where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
 - (b) where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit price and the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer, there is an obviously gross misplacement of the decimal point in the unit price, in which event the total amount as quoted will govern and the unit rate will be corrected.
- 11. The items of work included in the Bill of Quantities are numbered in sections following the numbering of the different specialities in section 3 of VOL III.ii, Technical Specifications.

12. Abbreviations

The following abbreviations are used in the Bill of Quantities, Tender and Contract Forms:

mm = millimetre m = linear meter m² = square meter m^3 = cubic meter = litre kg kilogram mpa = megapascals = N/mm² t = metric tonne (1000 kg) tm tonne metre

dia = nominal diameter no. = complete unit or piece

do = ditto

Bill No.: 01, Terminal Area Arrangement

Item No	Description	Unit	Quantity	Unit price in USD	Total price
	Carried Over				332
13.024	The same, d=200 mm	m	289		
	Laying of galvanised pipes, d=114x5 mm, incl.				
13.025	trenching works,etc.	m	280		
13.026	Joining to the existing net in wet soils	no	2		
	Drainage				
	Installation of oil separator, galvanised steel,				
13.031	capacity 250 I.	no	3		
	Wells of pre-cast RC units, d=1000 mm, H=1 m				
13.032	with "ÒÌÄÏ"-type manhole, heavy duty type	no	25		
13.033	The same, H=1.5 m	no	13		
13.034	The same, H=2 m	no	16		
	Laying of asbestos-cement pipes ÂÒ-6, d=200				
13.035	mm, incl. trenching works, etc.	m	864		
13.036	The same, d=300 mm	m	260		
13.037	The same, d=400 mm	m	12		
	Heating net on the site				
	Installation of engineering canals of pre-cast RC				
	units ÊË90-45=110 m, water insulated, incl.				
13.041	trenching	m3	23,5		
13.042	The same, from ÊË60-45, 340 linear m	m3	71,4		
	Heating valves chamber with dimensions of				
13.043	2.4x2.25x2.1 (H)	no	1		
	The same, dimensions 1.8õ1.5õ2.1 (İ)	no	5		
	Corner of turning ÓÏ90ő45	no	2		
	The same, ÓÏ60ő45	no	2		
	Expansion recess ÍÊ90ő45	no	1		
	The same, ÍÊ60ő45	no	5		
13.049	Drainage well with d=1000 mm	m3	1,6		
13.05	Cement blinding on pre-cast RC slabs	m2	390		
13.051	Installation of concrete pads ÎÏ-1	no	236		
13.052	The same, ÎÎ-2	no	44		
	Laying of steel pipes with d=108x3.5 mm in				
	engineering canals	m	176		
13.054	The same, d=76x3	m	456		
13.055	The same, d=38x2		24		
13.056	The same, d=32x2	m	190		
	Installation of steel valves with d=80				
13.057	mm30ñ41íæ1	no	4		
13.058	Installation of globe valve 15ñ27íæ1, d=32 mm	no	2		
3.059	The same, d=25 mm	no	4		
	The same, d=40 mm	no	2		
	Expansion loops with d=100 mm	no	2		-
3.062	The same, d=65 mm	no	6		
	Subtotal (Carry to next page)				

2.3 SUMMARY BOQ

Summary Bill of Quantities, Baku

Bill	No.	Subject	Tender Price in USD
	Item		incl. taxes, duties, etc.
00		Mobilisation - Geotechnical Investigations	
01		Terminal Area Arrangement	
01	02	Demolition	
01	03	Earth Works	
1	07	Masonry Works	
	11	Finishing Works	
1	12	Electrical installations/controls	
1	13	Water supply/sewerage/heating	
01	14	Paving and Road Works	
1.1		Access Road	
02		Marine Works	
1	02	Demolition	
1	03	Earthworks, Dredging	
1 1	04	Stone and Rubble Works	
1 1	05	Pile Works	
1 1	06	Concrete Works	
	08	Steel Works	
1 1	12	Electrical Installations	
		Watersupply/Severage	
1 1		Paving and Road Works	
02	15	Quay Equipment	
03		Ramps and Towers	
1 1	07	Masonry Works	
1 1	1	Steel works	
1 1	i	Timber Works	
1	i	Electrical Installations/Controls	
1 1		Railtrack Works	
		Machinery and Equipment	
04		Railway Yard Works	
05		Passenger Building	
06		Border Control Building	
07		Ticketing Building	
08		Public Service Building	
09		Passenger Bridge	
10		Electrical Workshop	
Tota	Tand	er Price	
iola	i i ciiu(T FIICE	

Bill No.: 01, Terminal Area Arrangement

Item No	Description	Unit	Quantity	Unit price in USD	Total price
	Carried Over				
	Base coarse of asphalt concrete pavement, 50				
14.006	mm thick	m2	31934		
	Carriage way surfacing of the asphalt concrete				
14.007	pavement, 70 mm thick	m2	31934		
	Concrete block stone pavement, in inspection pit				
	area, thickness 120 mm on 40 mm sand bed, on				
14.008	top of ordinary base build up	m2	500		
14.009	Preparation and compaction of bed for footpath	m2	915		
14.010	10 cm thick sub-base gravel for footpaths	m2	915		
	Asphalt pavement (carriage way type) of the				
14.011	footpaths, 30 mm thick	m2	915		
14.012	10 cm thick sand base for pavement from slabs	m2	2482		
	Pavement from mosaic tiles measured 50x50x5				
14.013	around building works	m2	2482		
14.014	Concrete stairs, in front of pavilion building	m	341		
	Internal roads (light traffic), repaired and				
	widened				·
14.021	Cleaning of existing pavement for any loose material	_			
14.021		m2	2510		
14.023*	Levelling and repair of holes with asphalt concrete	_			
14.023	Dispensing of bitumen over existing pavement	<u>m3</u>	45		
17.024	Dispensing of bitumen over existing pavement	t	6.3		
	Repair of the existing asphalt concrete pavement				
14.025	with application of asphalt concrete, 50 mm thick	0	0540		
14.026	The same, for footpaths, 30 mm thick	m2	2510		
14.027	Replacement of the curb stones	m2	198		
14.028	Preparation and compaction of road bed	m	330		
14.029	10 cm thick subbase-sand	m2	1955 2153		
14.03	Subbase gravel, 12 cm thick	m2 m2	1955		
14.031	Top aggregate base with thickness of 10 cm	m2	1955		
	Asphalt pavement (base coarse type), 70 mm	1112	1955		
	thick	m2	1955		
	Fencing				
14.041	Installation of wire fence h=2.8 m	m	915		
	Installation of gates (double leaf) in fence, w=5				
14.042	m	no	3		
14.043	The same, w=6 m	no	6		
14.044	The same, w=10 m	no	5		
	Installation of black painted galvanised steel				
14.045	chain on movable steel posts, H=1.0 m	m	155		
	Subtotal (Carry to next page)				

Bill No.: 00, Mobilisation - Geotechnical Investigations

Item No	Description	Unit	Quantity	Unit price	Total pric
	Carried over			in USD	in USD
01.217	In-situ testing.		 		
01.217	01. Vane test	-	-	-	-
	02. SPT	nos.	30		
	03. CPT	nos.	30		
		m	30		
	04. Other types. (To be specified)				
	Drilling operations, off-shore	-	-	-	_
01.221	Mob. and demob. at boring location	nos	2		
01.222	Boring 0-5 m below sea bed	nos.	3		
01.222	Boring 5-10 m below sea bed	m	15		
01.223	Boring 10-15 m below sea bed		15		
01.224	Boring 15-20 m below sea bed	<u>m</u>	10		· · · · · · · · · · · · · · · · · · ·
01.225	Sampling, disturbed	m	5		
01.226	Sampling, undisturbed	nos.	35		
01.227	In-situ testing.	nos.	15		
	01. Vane test				
	02. SPT	nos.	20		
	03. CPT	nos.	20		
		m	30		
	04. Other types. (To be specified)				
	I shoreton in a time				
	Laboratory investigations				
1.301	Geological description of samples	nos.			·
	Moisture content	nos.	170		
	Bulk density	nos.	70		
	Atterberg limits	nos.	30		** - ***
1.305	Sieve analysis	nos.	20		
1.306	Hydrometer analysis	nos.	15		
	Oedometer tests	nos.	15		
1.308	Unconfined compression tests	nos.	20		
1.309	Consolidated undrained triaxial tests	nos.	10		
1.400	Reporting	LS			
1.500	Other items (to be specified)				
	Total (Carry to summary bill No. 00)				

All costs for works mentioned in the Technical Specifications and shown on the Drawings shall be included in the Bill of Quantities.

As an example, setting out of boring locations, survey of coordinates and levels can be included in item 01.2x1.

Items not covered by mentioned items shall be added and specified under item 01.500.

BILL No.: 01.1 - Access Road

Item No	Description	Unit	Quantity	Unit price	Total price
02	Domolisia,			in USD	in USD
02	Demolition works				
	Dismantling/demolition of building No. 98				
	(according to specifications) including cleaning of		1		
00.004	the area and transportation of debris to approved]		
02.001	dump as described in specifications	LS	-		
02.002	The same for asphalt concrete from sidewalks	m2	1080		
02.003	The same for deteriorated kerbstones	m	540		
02.004	Other items (to be specified)	ļ			
03	Earthworks	ļ			
03.001	Topographic survey	<u> </u>		_	
	Filling, incl. levelling and compaction	ha	1 1		
03.003	Topographic survey after completion of works	m3	2750		
03.004	Other items (to be specified)	ha	1 1		
00.004	other items (to be specified)				
12	Electrical installations				
	Outside lighting		l		
	Installation of steel lighting pole, 9 m heigh, incl.	<u> </u>	 		
12.001	foundation, etc.	no	10		
	Installation of brackets for mounting of lighting	110	- 10 -1		
12.002	fixtures, Ê-II type	no	10		
	Installation of fixtures for outside lighting, NEÇĐ-				
12.003	250 with lamps ÄÐË-250	set	10		
	Installation of the Ó-614 switch box	no	10		
	Pull-in of the AÏĐOÎ type wire, sec. 2.5 ìì2 in the			~	
	pipe	m	220	1	
	Laying of cable weighing up to 3 kg/m in the		- 220		
12.006	trench	m .	350		
12.007	Pull-in of the cable in pipe d=150 mm	m	20		
	Cost of the ÀÂÂÁ type cable, sec. 3õ4+1õ2.5				
	mm2	m	380		
		•	500		
	Crossings				
12.009	Dismantling and mounting of light signal systems	set	2		
12.010	Other items (to be specified)				
13	Madamana				
	Water supply/sewerage/heating				
	Drainage Malla of the Control of the				
	Wells of pre-cast RC units, d=1000 mm, H=1 m				
12 004	with "ÒÌÄÏ"-type grating, heavy duty type, incl.				
	trenching	no	24		
;	Subtotal (Carry to next page)				

Bill No.: 01, Terminal Area Arrangement

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
03	<u>Earthworks</u>				
	Reclamation of sea area				
	(see Bill 02, item 3.12)				
	Land area				
	Topographic survey of land area (excl. rail				
03.001	shunting yard)	ha	4.6		
	Clearance of site of land fill for vegetation,				
03.002*	_	m2	5000		:
	Filling up land filling area incl. levelling and				
3.003	compaction	m3	3755		
	Excavation of excess soil in excavation area and				
03.004*	removal from site	m3	1600		
03.005	Topographic survey after completion of works	ha	5		
00.000	Topographic sarvey after completion of works				<u> </u>
	Additional Earthworks		 	1	
	Excavation of soil on site and transportation to		1		
03 007*	depot on site	m3	_	,	_
03.007	Excavation of soil on site and transportation to	1110			
03.008*	· ·	m3	_		_
03.000	Loading and backfilling of soil from site depot to	1113		 	
03.009*	excavation site	m3	_		_
03.009	Levelling and compaction of filling layers of 20	1113			
02 040*		m3			_
03.010* 03.011	Cth an itama (to be appointed)	1113	 		
03.011	Other items (to be specified)				
	Total (Carry to summary bill No. 01 - item No. 03)			1	
0.7					
07	Masonry Works				
	Retaining walls, inspection pits				ļ
07.001	Execution from pre-cast RC blocks ÔÁÑ 24-6,6	no	52		
07.002	The same, ΦБС 12-6.6	no	36		
07.003	The same, ΦБС 24-4.6	no	83		<u> </u>
07.004	Walls from "cubic" blockstone, 39 cm thick	m2	98		
07.005	Plastering of the retaining walls	m2	148		ļ
	Installation of guiding edge strips for machines				
07.006	from steel pipes, d=50 mm	m	60	<u> </u>	
07.011	Others (to be specified)				
				<u> </u>	
	Total(Carry to summary bill No. 01 - item No. 07)				
11	Finishing works			ļ	
	Retaining walls, Inspection Pits				
11.001	Perchlorumvinil painting of the retention walls	m2	116		
	Facing of outside walls with limestone tiles, at				
11.002	stairs, etc.	m2	72	1	
44.000	Facing of walls with ceramic tiles, in pits	m2	75		
11.003					
11.003	Others (to be specified)				

BILL No.: 01.1 - Access Road

	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried Over				
	Installation of precast RC road slabs 27 nos				
14.032*	2480x1000x100 mm	m3	6,7		-
	Installation of wooden bar along rails by sec.				
14.033*	230x180 mm	m			-
	Traffic signs and markings				
	Dismantling and remounting of existing traffic				
14.041	signs	LS	-	-	
14.042	Painting, unbroken line, 0.1 m wide	m	1440		
14.043	Painting, broken line, 0.1 m wide	m	390		
14.041	Other items (to be specified)				
	Total (Carry to summary bill No. 1.1)		 J		

Bill No.: 01, Terminal Area Arrangement

Item No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
	Carried over			552	111 000
12.032	The same, Öİİ-50õ0.4 mm2	m	200		
12.033	The same, ÒÏÏ-10õ0.4 mm2	m	300		
12.034	The same, ÒÏÂ-50õ0.4 mm2	m	25		
12.035	The same, ÒÏÂ-10õ0.4 mm2	m	20		
	Small type pre-cast RC wells witn manhole, incl.				
12.036	excavation, etc.	no	7		
	Site radio				
	Installation of a 1.6 m long radio post from a pipe		-		
12.041	d=48 mm with traverses and a hook, 5 nos	no	6		
	Laying of the ÏĐÏIÌ-2õ0.6 mm type wire along the				-
12.042	supports	m	510		
12.051	Other items (to be specified)				
	(to be specified)				
	Total (carry to Bill No.01- item No.12)		 		

13	Water supply/sewerage/heating		T T	T	1
	Site water pipeline			 	
	Water pipeline wells of pre-cast RC units,	†	 	·	
	d=1000 mm, l=1.5 with "O"-type manhole, incl.	1			
13.001	trenching works, etc.	no	21		
<u> </u>	Laying of steel pipes, d=89x4.5 mm, incl.				
13.002	trenching works, etc.	m	488		1
13.003	The same, d=114x5 mm	m	252		
13.004	The same, d=59x3 mm	m	40		
13.005	Installation of collars, d=80 mm	no	20		
13.006	The same, d=50 mm	no	2		·
13.007	The same, d=100 mm	no	4	 	
13.008	Installation of valves, d=80 mm	no	10		
13.009	The same, d=50 mm	'no	1		
13.010	The same, d=100 mm	no	2		
	The same, watering globe valve 15ê÷8ŏ2, d=20				
13.011	mm	no	12		
13.012	Fire fighting hydrant	set	6		
	Laying of galvanised pipes, d=25 mm, incl.		 	 	
13.013	trenching works, etc.	m	10		
13.014	Washing of pipeline with disinfection	LS	† - <u>-</u> -	_	
			 		-
	Sewerage on the site				
	Wells of pre-cast RC units, d=1000 mm, H=2.0		1		
13.021	with "T"-type manhole incl. trenching works,etc.	no	25		1
	Laying of asbestos-cement pipes ÂÒ-6, d=150				
13.022	mm, incl. trenching works,etc.	m	149		
13.023	The same, d=100 mm	m	90		
	Subtotal (Carry to next page)				

Bill No.: 02, Marine Works

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
03	Earthworks, Dredging				
	Earthworks	-	-	-	_
03.110	Bathymetric survey in reclamation area	LS	-		
	Filling up sand in reclamation area incl. levelling				
03.120*	and compaction	m3	170,000		
03.130	Sand filling in central pier	m3	15,000		
03.140	Sand filling in pier head	m3	875		
03.150	Sand filling in superstructures	m3	3300		

	Dredging	-	-	-	_
03.210	Bathymetric survey in berth areas	LS	-		
03.220*	Dredging around the ferry berths if actual	m3	1500		
03.230*	Disposal of dredged materials if actual	m3	1500		
	Depth soundings of dredged areas	LS	-		
03.250	Final bathymetric survey	LS	-		
03.300	Other items (to be specified)				
					
	Total (Carry to summary Bill 02 - item 03)		·		

Item No	Description	Unit	Quantity	Unit price	Total price
04	Stone and Rubble Works			in USD	in USD
	Stone revetment for land reclamation	_	_	_	_
04.110*	300 kg stones in cover layers	m3	3700		
04.120*	Secondary stones 100 < D < 500 mm	m3	2300		
04.130*	Gravel: 8 < D < 120 mm	m3	7100		
04.140	Geotextile class 3	m2	2900		
04.150	Other items (to be specified)				
	Total (Carry to summary Bill 02 - item 04)		L		

^{*)} Quantities are not fixed but shall be calculated after surveys.

Bill No.: 01, Terminal Area Arrangement

Item No	Description	Unit	Quantity	Unit price	Total price
	Carried Over			III 00B	111 030
13.063	The same, d=25 mm	no	4		
13.064	Gasproof stuffing box, d=100 mm	no	2		
13.065	The same, d=70 mm	no	2		
13.066	The same, d=32 mm	no	2		
13.067	The same, d=25 mm	no	2		
13.068	Steel collars, d=80 mm, for the valves	no	8		
	Heating net out of the site				l
13.071	Installation of engineering canals from pre-cast RC units ÊË90-45=110 m, water insulated, incl. trenching	m3	40,89		
	The same, for heating valves with dimensions of		,,,,,,		
13.072	1.8x1.5x2.1 (i)	no	2	1	
13.073	Expansion recess ÍÊ90ő45	no	1		· · · · · · · · · · · · · · · · · · ·
13.074	Drainage well with d=1000 mm	m3	1,6		
13.075	Cement blinding on pre-cast RC slabs	m2	200		
	Installation of concrete pads II-2 under				
13.076	pipelines	no	240		
13.077	Corner of turning ÓÏ90x45	no	4		
13.078	Laying of steel pipes, d=108x3.5 mm in the canals	m	304		***************************************
	The same, above ground, along the existing walls	m	624		
13.080	Expansion loops of pipes with d=100 mm	no	5		
13.081	Gas proof stuffing box, d=100 mm	no	2		
13.082	Steel valve 30ñ41íæ, d=100 mm	no	2		
13.083	Steel globe valve 15ñ27íæ1, d=40 mm	no	4		
13.084	The same, d=20 mm	no	4		
13.085	Installation of collars, d=100 mm	no	4		
13.09	Other items (to be specified)				
	Retaining Walls	•			
	Installation of asbestos cement pipes, d=100 mm	m	8		
	Total (Carry to bill No.01- item No.13)				

14	Paving and Road Works	· · · · · · · · · · · · · · · · · · ·	Т		T
	Internal roads, new				
14.001	Preparation and compaction of road bed	m2	32437		
14.002	Subbase-sand, 10 cm thick	m2	32437		
14.003	Subbase gravel, 22 cm thick	m2	32437		ļ
14.004	Top aggregate base, thickness 12 cm	m2	32437		
14.005	Concrete curb stones on concrete base, type ÁÐ-	m	2653		
	Subtotal (Carry to next page)	*11	2000	-	

Bill No.: 02, Marine Works

Item No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
06	Concrete Works				
	Pier head	-	-	-	_
06.110	Reinforced concrete in superstructure	m3	250		
06.120	Prestressed concrete access bridge to pierhead	m3	8		
	Central pier	-	_		_
06.210	Reinforced concrete in fender sections	m3	350		
06.220	Reinforced concrete in bollard sections	m3	40		
06.230	Reinforced concrete in normal sections	m3	252		
	Finger piers (2)				
06.310	Reinforced concrete in superstructure	m3	485	<u> </u>	-
	Lifting tower base				
06.410	Concrete in existing counterweight pits	m3	650		-
06.420	Reinforced concrete in lifted superstructure	m3	1120		
	Access bridge	_	-		
06.510	Reinforced concrete in land base	m3	16.2	•	-
	Reinforced concrete in support beams	m3	30		
06.530	Concrete in pier base	m3	53		
	RO-RO ramp	_			
	Reinforced concrete in RO-RO ramp	m3	435	-	-
06.700	Other items (to be specified)				
	Total (Carry to summary Bill 02 - item 06)				

Bill No.: 01, Terminal Area Arrangement

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried Over			111 000	111 035
	Traffic sign and Markings			 	
14.051	Sign, high gallow type (RHS-profile support)	no	10		
14.052	Sign, low gallow type-short (tube profile)	no	5		
14.053	Sign, low gallow type-long (tube profile)	no	2		
14.054	Sign, ordinary tube post type	no	20	17	
14.055*	Painting of lines, 0.1 m wide	m	3000		
14.056	Painting of lines, 0.3 m wide	m	250		
14.057	Painting of Figures (letters)	no	40		
	Plantation				
14.061	Sawing of grass-plots	m2	5256		
14.062	Planting of bushes	no	1400		
14.063	Planting of trees-seedlings	no	100		
14.064	Planting of hedge	m	600		
	Total (Carry to bill No. 01-item No. 14)		1		

Bill No.: 02, Marine Works

13	Water Supply / Sewerage				
	Water Supply				
	Installation of steel pipeline, d = 100 mm, for				
	water supply to central pier, complete incl.				
13.001	valves, collars etc.	m	260		
	Outlet connection for branching of vessel flexible				
13.002	for water supply	No.	2		
13.003	Fire hydrant on central pier	No.	2		
	Sewerage				
:	Installation of asbestos cement pipeline d = 150				
	mm on central pier / access bridge for sewerage				
13.010	from vessels	m	140		
	Inlet connection, for branching of vessel flexible		****		
13.011	for sewerage	No.	2		
	Desiron				
	Drainage				
13.015	Outlets including wells and pipes	Nos.	9		
13.020	Other items (to be specified)			<u> </u>	
	Total (Carry to summary Bill 02 - item 13)			-	

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
14	Paving and Road Works				
	Paving on cetral pier				
14.001	200 mm base	m2	1300		
14.002	30 mm sand below pavement blocks	m2	1300		
14.003	80 mm Concrete blocks	m2	1300		
14.010	Other items (to be specified)				
	Total (Carry to summary Bill 02 - item 14)				

BILL No.: 01.1 - Access Road

	Description	Unit	Quantity	Unit price	Total price
	Carried Over		-	in USD	in USD
13.002	The same, H=1,5 m	no	5		
13.003	The same, H=2 m	no	6		
10.000	Laying of asbestos-cement pipes ÂÒ-6, d=200	110	<u> </u>		
13.004	mm, incl. trenching works	m	486		
13.005	The same, d=300 mm	m	246		
13.006	Other items (to be specified)	111	240		
10.000	Cuter terms (to be specified)				
14	Paving and drainage works				
	New Pavement				
14.001	Preparation and compaction of road bed	m2	1885		<u> </u>
14.002	Subbase sand, 10 cm thick	m2	1885		
14.003	Subbase gravel, 22 cm thick	m2	1885		<u> </u>
14.004	Top aggregate base, 12 cm thick	m2	1885		
7 1.00 1	Concrete curb stones on concrete base of type ÁÐ	1112	1005		
14.005	30015	m	1025		
14.006	The same,ÁÐ-20ő8	m	270		ļ
11.000	Base coarse of asphaltic concrete pavement, 50	m	270		
14.007	mm thick	m?	1885		
14.007	Carriage way surfacing of the asphaltic concrete	m2	1000		
14.008	pavement, 70 mm thick	m2	1885		
14.009	Preparation and compaction of footpath bed	m2	1012		
14.010	Subbase gravel, 10 cm thick, for the footpaths	m2	1012		
11.010	oubbase graver, To em tillek, for the footpaths	1112	1012		
	Repair of Existing Pavement				
-	Cleaning of existing pavement for any loose				
14.020	material	m2	1215		
	material	1112	1213		
14 021*	Levelling and repair of holes with asphalt concrete	m3	20		
14.022	Dispensing of bitumen over existing pavement	t	20 3.2		
···ozz	Dispensing of bitumen over existing pavement	<u> </u>	3.2		
	Repair of the existing asphaltic concrete pavement				
14.023	with application of asphaltic concrete, 70 mm thick	⁵ m2	1215		
	Carriage way surfacing of the asphaltic concrete	1112	1215		
14.024	pavement , 50 mm thick	m2	1215		
	paromone, oo min tillok	m2	1213		
	Crossings				
	Widening of road pavement, asphalt concrete type				
14.03	build-up (2 crossings)	m2	70		
14.031*	Crushed stone base		39		
	Subtotal (Carry to next page)	m3	28		-

Bill No.: 03, Ramps and Towers

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
07	Masonry Works, Towers				
	New masonry work on support towers, complete with windows, paint work etc.	no.	12		
07. 110	Other (to be inserted by the bidder)				
	Total (Carry to summary Bill no. 03 - item 07)			<u> </u>	

08	Steel works	-	_	-	-
08.101	Dismantling of wooden deck on 2 ferry ramps	LS	-	·····	
	Dismantling of 2 ferry ramps and 12 support			-	
08.102	towers incl. of counterweights etc., complete	LS	_		
08.103	Disassembling of ramps and towers, complete	LS	_		
08.104	Cleaning and inspection of ramps and towers	LS			
	Application of complete surface-protection				
08.105	system upon all steel structures	LS	_		
	Assembling and erection of ferry ramps and				
08.106	support towers, complete	LS	_		
	Preparation and delivery of complete				
08.107	documentation	LS	-		
08.108	Quality Assurance, complete	LS	-		
	New counterweights, complete incl. concrete but				
08.109	excl. of adjusting plates	no.	12		
08.110	Adjusting plates for counterweights	kg	818720		
			·		
08.111	Railing upon ramps	kg	6300		
	Equaliser beam assemblies upon ramp span 1				
08.112	and span 2	no.	8		
08.113	Equaliser beam assemblies upon ramp span 3	no.	4		
	Support fixtures upon central main girder of				
08.114	ramp span 1 and span 2	kg	1367		
	Brackets for timber fixation, ramp span 1 and				· · ·
08.115	span 2	k g	4750		
	Support assemblies for sidewalk, ramp span 1				
08.116	and span 2	kg	940		
08.117	Lateral guide, ramp span 1 and span 2	kg	381		
08.118	Cross beam type 1, ramp span 3	kg	53000		·
08.119	Cross beam type 2, ramp span 3	kg	19485		
08.120	Cross beam type 3, ramp span 3	kg	5248		
08.121	Cross beam type 4, ramp span 3	kg	5091		
	Plating for rail support, floor plates, lateral guides				
08.122	etc., ramp span 3	kg	10742		
08.123	K-lattice under support towers	no.	16		
	Replaced steel structures due to deterioration,				
08.130*	(quantity estimated to 0.1 times total weight)	kg	70000		
08.140	Other (to be inserted by the bidder)	<u></u>			
	Total (Carry to summary Bill no. 03 - item 08)				***

Bill No.: 02, Marine Works

Item No	Description	Unit	Quantity	Unit price	Total price
00				in USD	in USD
02	Demolition				
00.40.4	Access bridge	-	-	-	-
02.10.1		m	167		
	Electrical installation and cables	LS	-		
	Reinforced concrete slab	m3	125		
02.10.4	Reinforced concrete piles 0.35 x 0.35 m	Nos.	44		
<u> </u>	Central pier	_	_	-	_
02.11.1	Pavement	m2	1530		
02.11.2	Fill in superstructure	m3	3010		
	Old fender system	LS	_		
02.11.4	Quay walls	m3	710		
02.11.5	Concrete in superstructure of pier head	m3	80		
02.11.6	Fill in substructure of pier head	m3	850		
	Steel sheet piles in pier head	ton	180		AT 1.12
	Lamppost	Nos.	1		
02.11.9	Bollards	Nos.	12		
	Finger piers (2)	-	-	-	-
02.12.1	Lamppost	Nos.	2		
02.12.2	Old fender system	LS	-		
02.12.3	Concrete in superstructure	m3	320		
02.12.4	Fill in superstructure	m3	520	· · · · · · · · · · · · · · · · · · ·	
02.12.5	Reinforced concrete piles 0.40 x 0.40 m	Nos.	112		
02.12.6	Bollards	Nos.	2		
	Sea bottom				
	Cleaning of bottom in the berths for waste and	 	-	-	
02.13.1	debris and pile ends rising over bottom level	LS	-		
	Lifting towers	-	_	_	-
02.14.1	Existing railing	m	280		
		•			
02.150	Other items (to be specified)				
02.	Total (Carry to summary Bill 02 - item 02)				
02.	Total (Carry to summary Bill 02 - item 02)				

Bill No.: 03, Ramps and Towers

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over			111 030	111 000
	Supply and erection of power installations acc. to				
	dwg. B.03.80, B.03.84 and Technical				
12.018	Specifications	LS	_		
12.010	Supply and erection of lighting installations acc.				
	to dwg. B.03.76 Lifting Towers and Technial				
12.019	Specifications	No.	12		
.2.010	Supply and erection of ligthing installations acc.				
	to dwg. B.03.76 Control Building and Technical				
12.02	Specifications	No.	1		
	Supply and erection of power and control				
	installations acc. to dwg. B.03.76 Control		,		
	Building, B.03.85, B.03.98, B.03.99, and			!	
12.021	Technical Specifications	LS	_	Ţ	
	Supply and erection of power and control				
	installations acc. to dwg. B.03.76 (2 lifting towers				
	no. 1), B.03.86, B.03.92, and Technical				
12.022	Specifications	LS	-		
	Supply and erection of power and control				
	installations acc. to dwg. B.03.76 (2 lifting towers				
	no. 2), B.03.87, B.03.93, and Technical				
12.023	Specifications	LS	-		
	Supply and erection of power and control				
	installations acc. to dwg. B.03.76 (2 lifting towers				
	no. 3), B.03.88, B.03.94, and Technical				
12.024	Specifications	LS			
	Supply and erection of power and control				
	installations acc. to dwg. B.03.76 (2 lifting towers				
	no. 4), B.03.89, B.03.95, and Technical				
12.025	Specifications	LS			
	Supply and erection of power and control				1
	installations acc. to dwg. B.03.76 (2 lifting towers				
	no. 5), B.03.90, B.03.96, and Technical	4			
12.026	Specifications	LS	-		
	Supply and erection of power and control				
	installations acc. to dwg. B.03.76 (2 lifting towers				
	no. 6), B.03.91, B.03.97, and Technical				
12.027	Specifications	LS	-	ļ	
12.028	Supply and erection of telephone installations	LS	-		
	Others, supply and erection (to be specified and				
12.029	inserted by the bidder)	-	-	-	-
					-
				<u> </u>	
				1	
				<u> </u>	
	Total (Carry to summary Bill no. 03 - item 12)				l

Bill No.: 02, Marine Works

Item No	Description	Unit	Quantity	Unit price	Total price
0.5				in USD	in USD
05	Pile Works				
	Central pier	-	-	-	-
05.110	Steel sheet piles delivery	Ton	780		
05.120	Steel sheet piles installation	Ton	780		
05.130	Fender pipe piles delivery (24 piles)	Ton	36.5		
05.140	Fender pipe piles installation (24 piles)	Ton	36.5		
	Pier head				
05.210		-	-	-	
05.220	Steel sheet piles delivery (Straight - Web)	Ton	82		
05.220	Steel sheet piles installation (Straight - Web)	Ton	82		
05.240	Fender pipe piles delivery (5 piles)	Ton	7.6		
03.240	Fender pipe piles installation (5 piles)	Ton	7.6		
	Finger piers (2)	-	_	_	_
05.310	Steel pipe piles delivery (20 piles)	Ton	63.2		
	Steel pipe piles installation (20 piles)	Ton	63.2		
05.330	Fender pipe piles delivery (10 piles)	Ton	15.2		* * * * * * * * * * * * * * * * * * * *
	Fender pipe piles installation (10 piles)	Ton	15.2		
	Laudhard				
OF 440	Land base for access bridge	-	-	~	_
05.410 05.420	300x300 concrete piles delivery	m	126		
05.420	300x300 concrete piles installation	m	126		
	Ro - Ro ramp	_			
	Steel pipe piles delivery (27 piles)	Ton	80	-	-
05.520	Steel pipe piles installation (27 piles)	Ton	80		
05.600	Other items (to be specified)				
	Total (Carry to summary Bill 02 - item 05)				
	(22.1) to summary Din 02 - Reff (03)				

Bill No.: 03, Ramps and Towers

Item No	Description	Unit	Quantity	Unit price	Total price
	Carried over				
	Counterweight ropes, incl. of fittings and seal kits				
17.018	for rope sheaves etc., row 2	set	8		
	Counterweight ropes, incl. of fittings and seal kits				
17.019	for rope sheaves etc., row 3	set	8		
	Shock absorbers at land side of the ferry ramp				
17.020	first spans	no.	6		
	Shock absorbers in the counterweight pits at row				
17.0241	3 support towers	no.	16		
	Rehabilitation of bearings at land side of ferry				
17.022	ramp span 1	set	2		
	Rehabilitation of bearings between ferry ramp	··			
17.023	spans at row 1 and row 2	set	4		
	Rehabilitation of bearings between equalizer				
17.024	beams and first and second spans	set	8		
17.025	Rehabilitation of bearings for bridle beam span 3	set	3		
17.020	Rehabilitation of bearings for sheaves mounted	Set	2		
17.026	upon bridle beam, span 3	cot	2		
	Mooring wire ropes for connection of ferry ramp	set	2		
17.027	span 2 to ferry tensioning gear	no.	4		
	Replacing of machinery parts due to deterio-	110.	4		
17.028	ration (Estimated)	PS	[30000
17.029	Other(to be inserted by the bidder)			-	30000
	The state of the s				
	Total (Carry to summary Bill no. 03 - item 17)				
l	() 1 () 11 (10. 00 (toll) 17)				

Bill No.: 02, Marine Works

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
08	Steel Works		<u> </u>		
	Access bridge	-	-	-	-
08.110	Structural steel in bridge	ton	160		
08.120	Steel in railing	ton	12.1		
08.130	Bearings	Nos.	12		
08.140	Paving	m2	335		
	Fender structures		-	-	<u>-</u>
08.210	Structural steel in fender units (39 units)	ton	682.5		
08.220	Anchor bolts in steel panel	Nos.	936		
08.230	Anchor bolts in concrete	Nos.	936		
	Anchoring of sheet piles	-	_	-	-
08.310	Anchor bars and nuts	ton	33.7		
08.320	Plates and washers	ton	7		
	Lining of counterweight pits		-	-	-
08.410	Structural steel in counterweight pits	ton	128		
08.500	Other items (to be specified)				
	Total (Carry to summary Bill 02 - item 08)		<u> </u>		

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
12	Electrical Installations				
	Central pier				
10.110	Installation of floodlight steel mast, height 25 m, complete incl. foundation, lightening installation,				
12.110	etc.	No.	1		
	Finger pier	. 3.		l	
	Installation of floodlight steel mast, height 25 m, complete incl. foundation, lightening installation,				
12.120	etc.	No.	2		
			<u> </u>		
12.200	Other items (to be specified)				
	Total (Carry to summary Bill 02 - item 12)				

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BILL No.: 05, Pavilion Building

Item No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
03	Forthworks dradains				
03.001	Earthworks, dredging		4405		
03.002	Levelling of the pile area	m2	1125		
03.002	Filling of sand under floors	m3	565		
03.003	Levelling and compaction in layers of 20 cm	m3	565		
02.004	Rubble base with a thickness of 10 cm under a				
03.004	strip foundation	m3	19.8		
03.005	Soil compaction by rubble under floors	m2	274		
03.006	Sand bedding under porch floors	m3	28.5		
0.5		<u> </u>			
05	Pile works				
	Delivery of 30 x 30 cm, 15 m long RC Concrete				
05.001	piles	m	1260		
	Driving of 15 m long RC piles, 30x30 cm (84				
05.002	piles)	m	1260		
	Preparation (cutting etc.) of RC piles after				
05.003	installation	No.	84		
				7"	
06	Concrete Works				
06.001	Reinforcement of monolithic RC structures	kg	24574		
	Concrete blinding with thickness of 10 cm under				
06.002	foundations of concrete B-7.5	m3	15.8		
06.003	RC strip foundations of concrete B-25	m3	52		
06.004	Monolithic RC posts of concrete B25	m3	24.5		
06.005	Monolithic RC girders of concrete B25	m3	65		
06.006	Monolithic RC reinforcement of parapet from		- 50		
	concrete B-15	m3	10.2		
06.007	Monolithic RC belt of concrete B-15	m3	4.8		
	Monolithic RC parts of floors from concrete	1110			
	B-15	m3	2.8		
06.009	Installation of precast RC hollow slabs of floors	1110	2.0		
	1ПК59.10Aт.С9	No.	37		
06.010	1ΠK59.12Aτ.C9	No.	40		
	8 cm thick concrete blinding of concrete B7.5	140.	40		
í	under floors	m3	21.92		
	Concrete blinding under ducts, squares and	1113	21.92		
	steps from concrete B7.5	m3	16		
	Installation of concrete steps for staircases and		16 60.8		
	stair platforms	m	60.6	[
	Monolithic RC floors of concrete B15	m2	0.4		
	The same, of concrete B25	m3	0.4		
	Installation of precast RC slabs for ducts, type	m3	10.5		
1	TT12.5-8.6	NI.			
		No.	114		
I.	Blinding of expanded clay concrete, 40 mm thick under floors of the 1st floor	m2	297		
	Subtotal (Carry to next page)				

Bill No.: 02, Marine Works

	Description	Unit	Quantity	Unit price in USD	Total price in USD
15	Quay Equipment			002	
	Fenders	-	-		-
15.110	Rubber fender elements MV 800 x 2000B	Nos.	78		
15.120	60 mm UHMWP facing (39 units)	m2	1026		
	Mooring Equipment				
45 040	Mooring Equipment		-	-	-
15.210	100 ton bollard incl. anchor bolts	Nos.	10		
	Rescue Equipment		-	_	-
15.310	Ladders	Nos.	7		
15.410	Control plot delivered (cluminium unight)	-	44050	-	-
15.420	Central pier deliverery (aluminium weight)	kg	14250	*	
	Central pier installation (numbers of anodes)	Nos.	342	***************************************	
15.430	Pier head delivery (aluminium weight)	kg.	1350		
15.440	Pier head installation (numbers of anodes)	Nos.	45		
15.450	Finger pier piles delivery (aluminium weight)	kg.	1200		
15.460	Finger pier piles installation (numbers of anodes)	Nos.	120		
15.470	Fender piles delivery (aluminium weight)	kg.	663		
15.480	Fender piles installation (numbers of anodes)	Nos.	78		
15.490	Fender shield delivery (aluminium weight)	kg.	3510		
15.500	Fender shield installation (numbers of anodes)	Nos.	468		
	Sheet piles at third row towers				
15.51C	delivery(aluminium weight)	kg.	8160		
	Sheet piles at third row towers				
15.520	installation(numbers of anodes)	Nos.	218		
15.530	Sheet piles at second row towers delivery(aluminium weight)	ka	3900		
10.000	Sheet piles at second row towers	kg.	3900		
15.540	installation(numbers of anodes)	Nos.	104		
	Sheet piles at first row towers delivery(aluminium	1403.	104		
15.550	weight)	kg.	2600		
	Sheet piles at first row towers				
15.560	installation(numbers of anodes)	Nos.	52		
15.570	Ro-Ro-Ramp piles delivery (aluminium weight)	kg.	840		
	Ro-Ro-Ramp piles installation (numbers of				· · · · · · · · · · · · · · · · · · ·
15.580	anodes)	Nos.	84		
15.600	Other items (to be asset 1)				
10.000	Other items (to be specified)				
	Total (Carry to summary Bill 02 - item 15)				

BILL No.: 05, Pavilion Building

Item No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
	Carried over				
09	Roofing works				
09.001	Water insulation of one bitumenous felt layer	m2	365		
09.002	Cement blinding, 30 mm thick on the roof	m2	365		
09.003	Roofing of 3 layers of fibre glass bitumenous felt	m2	365		
09.004	Heater of expanded clay, 8-14 cm thick	m3	33		
09.005	Cement blinding of 20 mm under floors	m2	795		
09.006	Water insulation from two layers of mastic				
	compound under floors	m2	274		
09.007	Side insulation with bitumen in 2 times of	m2	219		
	foundation walls				
09.008	The same, of duct walls with bitumen in 2 times	m2	35		
10	Loinomana				
10.001	Joinery works		ļ		
10.001	Installation of stained glass windows from				
	PIMAPEN, glazed with 6mm glass and		_		
10.002	dimensions 5.6x3.3 m	No.	7		
	same, 4.5 x 2.7 m	No.	2		
10.003	same, 5.6 x 2.8 m	No.	3		
10.004	same, 2.6 x 3.3 m	No.	2		
10.005	same, 5.6 x 1.5 m	No.	2	****	
10.006	same, 2.8 x 1.5 m	No.	2		
10.007	same, 2.8 x 0.6 m	No.	2		
10.008	same, 5.6 x 0.6 m	No.	1		
10.009	Installation of stained glass windows from				
	PIMAPEN, glazed with 6 mm glass and door				
	block of 15 mm tempered glass, dimensions				
	5.6x3.3 m (door 1.6x2.2)	No.	2		
10.010	4.2x3.3 m (door 2.2x2.2x2)	No.	1		
	Installation of operable partitition fromPIMAPEN,				
10.011	glazed with 6 mm glass, dimension 11.6 x 3.3 m	NI.	4		
10.012	The same, of door blocks 2.7 x 1.4 m	No.	1		
	Installation of burnished door blocks with lock				
10.013	ДГ21-9=8 pieces	0	45.0		
		m2	15.2		···
10.015	lock ДГ21-8=2 pieces Installation of plastic door blocks in lavatory	m2	3.6		
10.013					
10.016	cabins, 1.6X0.8=6 pieces	m2	7.7		
10.016	Partitions in the lavatory cabins	m2	21.6		
10.017	Installation of barrier in ticketing cabin with				
	doors and folding board	m	10.4		
	Subtotal (Carry to next page)				

Bill No.: 03, Ramps and Towers

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
09	Timber Works		1		
	Towers				
	Azobé Timber deck and sidewalks, complete incl.	-			
09.001	bolts,screws etc., ramp span 1 and span 2	m3	202		
	Azobé Timber deck and sidewalks, complete				
09.002	incl. bolts, screws etc., ramp span 3	m3	160		
09.003	Other (to be inserted by the bidder)	· ·			
		* -			
	Total (Carry to summary Bill no. 03 - item 09)		<u> </u>		

ltem No	Description	Unit	Quantity	Unit price	Total price in USD
12	Electrical Installations/Controls			000	002
	The below mentioned prices shall only be				
	included in one item. E.g. Item 12.014 is supply				
	only. Erection shall be included in item 12.017.	-	-	_	_
12.001	Supply of switchboard 1A	No.	1	* *	
12.002	Supply of switchboard 1A01 and 1A11	No.	2		
12.003	Supply of switchboard 1A02 and 1A12	No.	2		
12.004	Supply of switchboard 1A03 and 1A13	No.	2		
12.005	Supply of switchboard 1A04 and 1A14	No.	2		
12.006	Supply of switchboard 1A05 and 1A15	No.	2		
12.007	Supply of switchboard 1A06 and 1A16	No.	2		
12.008	Supply and control panel 1A07 and 1A08	No.	2	***************************************	
12.009	Supply and erection of capacity bank system	LS	-		
12.01	Supply of lighting fixtures, Type A	No.	38		
12.011	Supply of lighting fixtures, Type B	No.	10		
12.012	Supply of lighting fixtures, Type C incl. mast arm	Νo.	24		
12.013	Supply of lighting fixtures, Type D incl. mast arm	No.	2		
12.014	Supply of lighting fixtures, Type E excl. mast	No.	6		
12.015	Supply of masts for Type E	No.	3		
12.016	Supply and erection of the total PLC system acc. to dwg. B.03.84, B.03.85, B.03.86, B.03.88,				
12.010	B.03.92, B.03.94 and Technical Specifications	LS	-		
	Supply and erection of lighting installations acc.				
	to dwg. B.03.80, B.03.84 and Technical			ĺ	
	Specifications	LS	-		
	Subtotal (Carry to next page)				

BILL No.: 05, Pavilion Building

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over				
12.018	Laying of viniplastic pipes with d=20 mm along				
	the wall	m	63		
12.019	The same, in pipes of 50 mm	m	6		
12.020	Open laying of AΠB-type wire with the sec. of				
	2.5 mm2 above suspended ceiling	m	1394		1
12.021	The same, in hollows of slabs	m	60		
12.022	Tie of AΠB-type wire with sec. 2.5 mm2 in a pipe	m	33		
12.023	Laying of ANNB-type wire with sec.2x2.5 mm2			**·*	
	under plaster	m	50		
12.024	Laying of ABПГ-type wire with sec. 2x2.5 mm2				
	on buckles	m	149		
12.025	The same, sec. 4x2.5 mm2	m	22		
	Laying of ABПГ-type wire with sec. 4x2.5 mm2	111			
12.026	in pipes	m	13		
12.027	The same, sec. 4x4 mm2	· · · · · · · · · · · · · · · · · · ·	3		
12.028	The same, sec. 3x10+1x6 mm2	<u>m</u>	15		
12.029	The same, sec. 3x16+1x10 mm2	m m	10		
12.030	Ceiling lighting fitting with luminiscent lamps	m	10		
12.000	YCΠБ-4x40	No			
12.031	The same, wall type∏∏003-4x40	No.	6	-	
12.032	The same, for suspended ceiling	No.	1		
	лте same, for suspended ceiling Л104Б-4х20				
12.033	Л104Б-4х40	No.	41		
		No.	8	· · · · · · · · · · · · · · · · · · ·	
12.034	Luminiscent lamps				
	H∏-20	No.	164		
	ХП-40	No.	60		
	Starters	No.	224		
12.037	Ceiling lighting fittings with glow lamps				
12.038	НП001-40	No.	5		
	H∏001-60	No.	1	- 	
12.039	The same, for walls H5-005-40	No.	1	T	
12.040	The same, for ceilings C∏O-60	No.	8		
12.041	The same, suspended ΠΠΟ-40	No.	2		
12.042	The same, for outside lighting HTY01-100	No.	6		
12.043	Sconces	No.	13		
12.044	Glow lamps	No.	36		
	Fire alarm system				
	Installation of fire alarm station ТОЛ-10-П	No.	1		
	The same, for battery 10-ЖH-60□	No.	1		
	The same, for alarm bell Π3-1	No.	1		
	The same, for push-button informant ПКИЛ-9М	No.	2		
	The same, for heat transmitter of the informant	-			
	ИП105-2/1	No.	63		
12.050	Laying of ТПЛ type wire with sec. 1x2x0.5 mm2	m	310		
12.051	Laying of viniplastic pipes with d=20 mm along				···
	walls	m	6		1
	Subtotal (Carry to next page)				

Bill No.: 03, Ramps and Towers

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
16	Railtrack Works			117 000	111 030
	Ramps				
16.001	New rails P65 incl. of clips, bolts, rubber pads, fishplates, fittings etc.	m	700		
16.002	Other items (to be inserted by the bidder)				
	Total (Carry to summary Bill no. 03 - item 16)				

Item No	Description	Unit	Quantity	Unit price	Total price
		1		in USD	in USD
17	Machinery and Equipment	-	-	-	-
47	Dismantling of all machinery in the 12 support				
17.001	towers	LS	-		
	Dismantling of all bearings, shock absorbers,				
17.002	sheaves etc from the 2 ferry ramps	LS			
17.003	Disassembling of all machinery and equip-ment	LS	-		
	Cleaning and inspection of all machinery and				
17.004	equipment	LS	_		
	Application of complete surface-protection	<u> </u>			****
17.005	system upon all machinery and equipment	LS			
	Assembling and mounting of machinery in				
17.006	support towers and upon ferry ramps	LS	_		
	Preparation and delivery of complete docu-				
17.007	mentation, drawings, calculations, manuals etc	LS	_		
17.008	Quality Assurance, complete	LS			
17.009	Tests on completion, complete	LS	_		
	Electrical motors for machinery in support				
17.010	towers, row 1 and row 2	no.	8	Ī	
	Electrical motors for machinery in support				
17.011	towers, row 3	no	4		
	Hoisting spindles for machinery in row 1, incl. of		· ·		
17.012	seal kit and protective bellows etc. for drive	no.	4	1	
7	Hoisting spindles for machinery in row 2, incl. of				
17.013	seal kit and protective bellows etc. for drive	no.	4		
	Gearbox and drive train rehabilitation, incl. of				
17.014	seal kit and elastic inserts for couplings etc.	no.	12		
	Gear reducers, elastic couplings and control				
17.015	transmitter, complete	no.	12		
	Hoisting winches, Brakes and Emergency drive		- '- +		
	rehabilitation in row 3, incl. of hoisting wires,	İ			
17.016	turning of brake drums, brake shoes etc.	no.	4	1	
(Counterweight ropes, incl. of fittings and seal kits	110.		<u> </u>	
7.017	for rope sheaves etc., row 1	set	8		
	Subtotal (Carry to next page)	301	0		

BILL No.: 05, Pavilion Building

item No	Description	Unit	Quantity	Unit price	Total price
ļ	Carried over			in USD	in USD
13.021	Laying of steel pipes with d=15 mm with oil				
10.02	painting	m	200		ļ
13.022	The same, d=20 mm	_	1.12		
13.023	The same, d=25 mm	m	116		
13.024	The same, d=40 mm	m	54		
13.025	Test of the system	m	2		
13.026		LS	-	-	
13.027	Installation of Engineer Maevsky's air valve	No.	2		
13.027	Cost of valve 15кя18п2, d=15 mm	No.	4		
13.028	The same, d=20 mm	No.	8		
13.029	The same, d=25 mm	No.	4		
13.030	Cost of radiant heater valve, d=15 mm	No.	48		
	Heat distribution point				
13.031	Laying of steel pipes with d=40 mm	m	6		
	Drain pocket, d=40 mm	No.	2		
13.033	Water flow meter BTC-50	No.	1		
13.034	Control valve УРРДМ-50	No.	1		
13.035	Thermometer	No.	1		
	Manometer	No.	1		
	Cast iron globe valve d=40 mm	No.	4		
	Oil painting of pipes (2 times)	m2	6		
13.039	Painting of steel pipes with mastic compound	·	25		
	Pipe insulation with mineral wool boards	m2			
	Covering layer of glass fibre reinforced lastics	m3	2.7		
	PCT	m2	110		
		1112	118		
	Ventilation	 			
13.042	Installation of autonomous air conditioner				
	BIH-240 ROOFTOP weghing 1043 kg	No			
13.043	Installation of axial flow fan of "Five Stars" Co	No.	1		
- 1	AXC-200, weghing 5 kg				
	Installation of air conditioner "Mini-Split" No. 18	No.	1		
	Ceiling grilles, sec. 500x500	No.	3		
	The same, sec. 250x250	No.	9		
	Air discharge grilles PP1, sec. 200x100	No.	3		
	Exhaust control grille P150 sec. 450x150	No.	3		
	The same, sec. 150x150	No.	6		
	aying of air pipelines from galvanised roof	No.	8		
	steel 0.9 mm thick, with sec. 1250x400 mm				į
3.051	The same, from steel 0.7 mm thick,	m2	43		
	sec. 1000ő400 mm				j
	The same, sec. 1000x250 mm	m2	3		
	The same, sec. 1000x250 mm	m2	13		
	The same, sec. 900x300 mm	m2	22		
	The same, sec. 800x400 mm	m2	7		
		m2	23		
	The same, sec. 600x250 mm	m2	80		
	he same, sec. 500x500 mm	m2	44		
	Subtotal (Carry to next page)				

BILL No.: 04, Railway Yard Works

Item No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
14	Paving and Road Works				
14.001*	Preparation and compaction of foothpath bed	m2	855		
14.002	Subbase - gravel, 10 cm thickness	m2	855		
	Asphalt Concrete (carriageway type) with 3 cm				
14.003	thickness	m2	855		
14.004	Installation of Concrete board stones	m	1710		
14.005	Other(to be inserted by the bidder)				
	Total (Carry to summary Bill no. 04 - item 14)	<u></u>			

BILL No.: 06, Border Control Building

Item No	Description	Unit	Quantity	Unit price in USD	Total price
		 		เม บอบ	in USD
03	Earthworks				
03.001	Area levelling of the pile area	m2	2800		
03.002	Filling of sand under floors	m3	370		
03.003	Levelling and compaction in layers of 20 cm	m3	370		
03.004	10 cm thick gravel base for strip foundation	m3	31.5		
03.005	Soil compaction gravel under floors	m2	285		
03.006	Sand bedding under porch floors	m3	0.2		
	The state of the s	1113	0.2		
05	Pile works				
05.001	Delivery of RC piles, 30x30 cm, 8 m long	m	600		-
05.002	Driving of 8 m long RC piles with sec. of 30x30		- 000		
	cm by diesel hammer on excavator, Il group				
	soils- 75 pieces	l m	600		
	Preparation (cutting etc.) of RC piles after	- '''			
05.003	installation	No.	75		
		110.			
06	Concrete works				
06.001	Reinforcement of monolithic RC structures	kg	9292		
06.002	Concrete blinding with thickness of 10 cm				····
	under foundations of concrete B-7.5	m3	25.2		
06.003	RC strip foundations of concrete B-15	m3	91		
06.004	Concrete porch foundation of concrete B-15	m3	0.3		
06.005	Molithic RC posts CKM-1 of concrete B-20	m3	1.4		
06.006	Monolithic RC lintel of concrete B-15	m3	5.27		•
06.007	Monolithic RC belt of concrete B-15	m3	9.32		
06.008	Monolithic RC parts of floors from concrete B-15	m3	1.8		·
06.009	Installation of pre-fabricated RC hollow slabs of				
	floors		ł		
	1ΠK59.10-8Aτ-C9	No.	30		
	1ПК59.12-8Ат-С9	No.	17		
06.011	8 cm thick concrete blinding of concrete B7.5				
ł	under floors	m3	22.8		
06.012	Concrete blinding under floors of the porch and				
	steps of concrete B7.5	m3	0.1	İ	
	The same, under ducts of concrete B-15	No.	6.6		
	Installation of pre-fabricated RC slabs ∏T12.5-8.6		3.0		
	of ducts	No.	102	ļ	
	Subtotal (Carry to next page)				

BILL No.: B.05, Pavilion Building

item No	Description	Unit	Quantity	Unit price	Total price
	Carried over			in USD	in USD
07					
07.001	Masonry works				
07.001	Foundation walls of "cubic" stones, 39 cm thick				
07.002	on mortar M-50	m2	109.5		
01.002	Horizontal wall insulation by cement mortar,				
07.003	20 mm thick	m2	63		
01.003	Side insulation of foundation walls with cement				
07.004	mortar	m2	219		
07.004	Outside walls of "cubic" stones, 39 cm thick, on			1	
07.005	mortar M-50	m2	236	İ	
07.005	Guarg wall from "cubic" stones, 19 cm thick	m2	23.3		
07.006 07.007	Partitions of bricks, 12 cm thick	m2	296		
	Porch walls of "cubic" stones, 19 cm thick	m2	13		-
07.008 07.009	Duct walls of "cubic" stones, 19 cm thick	m2	87		
37.009	Side insulation of the ducts with cement				
37.040	mortar	m2	35		
07.010	Finishing of ceilings for painting	m2	43		
07.011	Plastering improved of inside walls	m2	493		· · · · · · · · · · · · · · · · · · ·
07.012	Plastering improved of inside window				
7.7.4	and door reveals	m2	43		
7.013	Plastering of walls and bottoms of ducts with				
	cement finish	m2	112		
7.014	Plastering of string on net	m2	14		
7.015	High quality plastering of facade walls and				
	entrance to the basement	m2	421		
7.016	High quality plastering of facade slopes	m	184		
	Steel works				
8.001	nstallation of steel angles No63 in duct corners	kg	63		
o.uu∠ j:	Steel frame from U-profile No 16 for air	- '\9			
(conditioner on the roof	kg	284		
8.003	Steel bridgeboards from U-profile No20	kg	515		
8.004	Steel stair grids with railings	m	6		· · · · · · · · · · · · · · · · · · ·
8.005 լ	ining on fronts incl. gutters	m2	751		
	Subtotal (Carry to next page)	1112	731		

BILL No.: 06, Border Control Building

ltem No	Description	Unit	Quantity	•	Total price
	Carried over			in USD	in USD
09.006	**************************************				
00.000	Water insulation of 2 mastic compound layers under floors	_			
09.007	Side insulation of foundation walls and ducts with	m2	285		
00.007	bitumen in 2 times	m2	156		
10					
10.001	Joinery works Installation of burnished door blocks ДГ21-9				
10.001	with a lock in inside walls		_		
10.002	The same, in partitions ДГ21-9	No.	8		
10.003	Installation of a barrier from burnished shields in	No.	9		
10.000	the lobby				
10.004	Installation of door blocks of PEMOPEN with	m	10	-	
10.004	dim 2 1×1 0 with glosing to 0				
10.005	dim. 2.1x1.0 with glazing by 6 mm glass	No.	2		*
10.005	The same, of window blocks with glazing by				
10.006	insulating glass unit 4x4, dim. 1.2-1.5 The same for 1.2 - 0.6	No.	20		
10.000	The same for 1.2 - 0.6	No.	11		
11	Finishing works				
	Finishing works				
	Facing of walls with ceramic tiles	m2	79.2		
	Installation of suspended ceiling PRONTO type	m2	100.4		
	Improved water-emulsion painting of ceilings	m2	285		
	Improved oil painting of the walls	m2	605		
	Oil painting of metallic structures	m2	715		
	Plastering of outside socle with lime-stone				
	tiles	m2	31.9		
	Perchlorumvynil painting of facade walls	m2	303		***
1.008	Covering of the floors with ceramic tiles	m2	11.8		
1.009	Covering of the floors from marble tiles	m2	100.4		
1.010	The same, from parquet on a deck from planks	m2	172.5		
1.011	Covering of squares from ceramic tiles	m2	2		
1.012	Installation of window boards from marble tiles	m2	9.5		
2	Electrical installations/controls Electrical supply	ě			
2.001	Distribution box ΠΡΙΙ-1048-2ΑΥ	No.	1	İ	
	Group lighting meter-board УОЩВ-12УХЛ4	No.	4		
2.003	Photo-relay with transmitter ΦP-2	No.	2		
2.004	nstallation of lighting fittings with luminescent	-110.			
1	amps, up to 2 pieces	No.	30	ĺ	
	The same, up to 6 pieces	No.	30		
2.006	The same, up to 2 pieces in suspended ceilings	No.	18		
2.007	nstallation of lighting fittings with glow lamps,	110.	10		
f	or ceilings	No.	6		
	ighting plastic boxes YPK-4	No.	68		
2.009	Outlets for hidden wiring	No.	32		
2.010 7	he same, for open wiring	No.	6		
	Switches of hidden wiring	No.	16		
	he same, for open wiring	No.	6	_	
	Subtotal (Carry to next page)	INU.	Ü		

BILL No.: 05, Pavilion Building

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over				
11	Finishing works				
11.001	Facing of walls with ceramic tiles	m2	130		
11.002	Installation of suspended ceiling PRONTO type	m2	504		-
11.003	The same, from coloured glass in lavatories	m2	23		
11.004	Improved water-emulsion painting of ceilings				
	about concrete and of the suspended ceiling	m2	547		
11.005	Oil painting improved of the walls	m2	327		1
11.006	Facing of walls with marble tiles	m2	314		
11.007	The same, of columns	m2	79		
11.008	Oil painting improved of staircase grids	m2	6		
11.009	The same, of wooden plinths	m2	5		
11.010	Oil painting of metallic structures	m2	25		
11.011	Plastering of outside socie with lime-stone	1112	1 20		
	tiles	m2	78		·
11.012	Perchlorumvynil painting of facade walls	m2	449		
11.013	Floor covering from single stick parquet	m2	49		
11.014	Covering of floors and squares with marble	1112	45		
11.014	tiles	m2	569		
11.015	Covering of steps with marble plates	m2	37		<u> </u>
12	Electrical installations/controls	1112	37		
12	Power supply				
12.001	Distribution box M∏ II-3048-21У3	No	4		
12.001	Consumer's meter-board ЩКИ-8504-УХЛ	No.	1		
12.002		No.	1		
12.003	Group meter-board for lighting OILB12YXIIY	No.	2	· · · · · · · · · · · · · · · · · · ·	
12.004	Photo-relay with transmitter ΦP-2 Installation of ceiling lamps with 4	No.	3		-
:	luminescent lamps	A1-			
12.006		No.	6		
	Installation of wall lighting fittings with 4 luminiscent lamps	N. 1.			
	Installation of wall lighting fittings with 4	No.	1		
		N.1.	4.0		
	luminiscent lamps in suspended ceilings	No.	49		
	Installation of the ceiling lighting fittings with				
	glow lamps	No.	14		
1	Installation of wall lighting fittings with glow				
	lamps	No.	1		
l .	Installation of the ceiling lighting fittings with		_		
	glow lamps, suspended ceiling	No.	2		
	Installation of lighting fittings with glow lamps,				
	sconce type	No.	13		
	Installation of lighting fittings with glow lamps,				
	for outside lighting	No.	6		
	Lighting plastic boxes ΥΠΚ-4	No.	80		
	Outlets for hidden electric wires	No.	12		
	Outlets for hidden wires with earthing contact	No.	2		
	Switches for hidden wires	No.	6		
	Installation of steel supports "Topcxep" type from				
	pipes with d=50 mm	No.	6		
	Subtotal (Carry to next page)				

BILL No.: 06, Border Control Building

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over				
12.048	The same, for open wiring	No.	6		
12.049	Laying of the ΠΠΒ-2x1.2 type wire along walls	m	50		
12.050	The same, ΠΠΒ-2x0.6	m	225		
13	Water supply/sewerage/heating Water Supply				
13.001	Installation of galvanised pipes with d=15 mm	l m	5		
13.002	Installation of galvanised pipes with d=20 mm	m	10		ļ
13.003	Test of the system	LS		_	
13.004	Cost for globe valve 15кч8х2, d=15 mm	No.	2		
13.005	Cost for globe valve 15кч8х2, d=20 mm	No.	1		
13.006	Oil painting of pipes in 2 times	m2	3		
10.000	on painting of pipes in 2 times	1112	J		
13.007	Sewerage				
13.007	Laying of cast-iron pipes, d=50 mm	m m	6		
13.009	Laying of cast-iron pipes, d=100 mm	m	16		
13.009	Installation of faience wash basin "Утро" type with a tap	Nia	_		
13.010	<u> </u>	No.	2		
13.010	Installation of WC cast-iron pan with a cistern	No.	2		
13.011	Heating		40		
13.011	Installation of cast-ironradiant heaters M-140AO	esm*	42		
13.012	Laying of steel pipes with d=15 mm	m	140		
13.013	The same, d=20 mm	m	70		
	Test of the system	LS	-	-	
13.015	Air valve of engineer Maevsky with d=15 mm	No.	2		
13.016	Cost of a double control valve with d=15 mm for radiant heaters	No.	18		
13.017	Cost of valve 15кч18п2, with d=15 mm	No.	4	-	
13.018	Oil painting of pipes and radiant heaters in 2				
10.010	times	m2	45		
13.019	Lubrication of steel pipes with mastic compound	m2	13		
13.020	Pipe insulation with board type wool insulants	m3	1.6		
13.021	Covering layer of glass fiber reinforced plastics	m2	68		
13.022	Ventilation Autonomous roof conditioner ROOFTOP				
	weighing 477 kg of BCH-90-type	No.	1		
13.023	Axial flow fan AXC-160	No.	1		
13.024	Linear air terminal device with sec. 600x200, of P200-type	No.	5		
13.025	Air pipelines of galvanised steel 0.7 mm thick				
12.000	with sec. 600x300 mm	m2	18		
13.026	The same, sec. 500x300 mm	m2	13		
13.027	The same, sec.500x200 mm	m2	18		
13.028	The same, 0.6 mm thick, sec. 400x200 mm	m2	12		
13.029	The same, sec. 250x200 mm	m2	4.5		
13.030	The same, 0.5 mm thick, sec. 200x200 mm	m2	4		
	Subtotal (Carry to next page)				

BILL No.: 05, Pavilion Building

Item No	Description	Unit	Quantity	Unit price	Total price in USD
	Carried over			000	002
12.052	Plastic branch box	No.	6		
12.053	Installation of wall lamp socket with lamp	No.	1		
12.054	Installation of power supply block БП-24/4 of the station	No.	1		
12.060	Phone Communication Installation of distributor box KPT∏-10	No.	1		
12.061	The same, PTW	No.	5		-
12.062	Laying of wire TRP-2x0.4 mm2	m	90		
	Radio		 		
12.070	Installation of branch boxes YK-2∏	No.	2		
12.071	The same for distribution boxes, YK-2∏	No.	4		
12.072	The same for radio outlets P∏P-2 for hidden		-		
	wiring	No.	5		
12.073	Laying of the ΠΠΒ-2x0.6	m	60		
13	Water supply/sewerage/heating	·			
	Water supply				
13.001	Laying of galvanized pipes, diameter 15 mm	m	25		
13.002	Laying of galvanized pipes, diameter 25 mm	m	12		
13.003	Test of the system	LS	-	_	
13.004	Costs for globe valves, 15ку8⊓Д diameter 15 mm	No.	11		
13.005	Costs for globe valves, 15ку8пД diameter 25 mm	No.	2		
13.006	Installation of sluice valves 30у66пД	No.	6	,	
13.007	Installation of fire valves with reel with 20 m long	set	4		
	hemp hoses and spray nozzle				
13.008	Oil painting of pipe (2 times)	m2	7		
	Sewerage				
	Laying of cast-iron pipes, diameter 50 mm	m	12		
13.010	Laying of cast-iron pipes, diameter 100 ii	m	35		
13.011	The same, d. 150 mm	m	25		
13.012	Installation of the "Утро"-type faience wash-basin	,			
	with a tap	set	4		
13.013	WC pan installation with a cistern	No.	6		
13.014	Floor gully installation, diameter 100 mm	No.	2		
13.015	A cast-iron enamelled sink with a tap	No.	1		
	Heating				
13.016	Installation of cast-iron radiant heaters with				
	15 sections, H=570 mm	No.	15		
13.017	The same, 12-section	No.	2		
13.018	The same, 10-section	No.	1		
13.019	The same, 8-section	No.	4		
13.020	Installation of convector PKKP, H=300	-			
	mm, l=1.32 mm	No.	25		
	Subtotal (Carry to next page)				

BILL No.: 07 - Ticketing Building

Item No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
03	Earthworks, dredging				
03.001	Levelling of the pile area		000		
03.002	Sand fill under floors from depots on site	m2	960		
03.002	Levelling and compaction in layers of 20 cm	m3	67		
03.003	Gravel layer under strip foundations, 10 cm thick	m3	67		
03.005	Compaction of the soil under floors	m3	11.9		
03.006	Sand bedding under floors of the porch and	m2	45		
00.000	entrance to the basement	0			
	entrance to the pasement	m3	4.5		
05	Pile works	· · · · · · · · · · · · · · · · · · ·			
05.001	Delivery of RC piles, 30 x 30 cm, 8 m long	No.	36		
	Driving of RC piles with sec. 30x30 cm and 8 m	110.	30		
	long by diesel hammer on excavator in II group				
	soil, 36 piles	m	288		
	Preparation (cutting etc.) of RC piles after		200		
05.003	installation	No.	36		
		140.			
06	Concrete works				
	Reinforcement steel of monolithic RC structures	kg	3813		
	Concrete blinding of B-7.5 type concrete, 10 cm	9	- 0010		
	thick, under foundations	m3	9.5		
	RC strip foundations of concrete Â-15	m3	34		
	Concrete porch foundation of concrete B-15	m3	1.5		
	Concrete side of concrete B-15	m3	0.6		
06.006	Monolithic RC lintel of concrete B-15	m3	1.66		
	Monolithic RC belt of concrete B-15	m3	7		
06.008	Monolithic RC floor parts of concrete B-15	m3	3.4		
	Installation of pre-fabricated RC hollow slabs for				
	floors				
	1ΠK59.1-8Aτ.C9	No.	14		
06.010	Concrete blinding, 8 cm thick, from concrete				
	B-7.5 under floors	m3	3.95		
06.011	Concrete blinding under floors of platforms and				
	steps from concrete B-7.5	m3	1.6		
06.012	Installation of concrete steps	m	21.6		
06.013	Installation of concrete B-15 foundations under				
	equipment	m3	1	ľ	
06.014	Blinding of expanded clay concrete, 40 cm thick	m2	2		
	Subtotal (Carry to next page)				

BILL No.: 05, Pavilion Building

Item No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
	Carried over				
13.058	The same, sec. 500x200 mm	m2	79		
13.059	The same, sec. 500x150 mm	m2	20		
13.060	The same, steel 0.5 mm thick, sec. 250x250 mm	m2	2		
13.061	The same, sec. 200x150 mm	m2	8		
13.062	The same, sec. 150x150 mm	m2	1		
13.063	The same, round with d=200 mm	m2	10		
13.064	Silencers ШТП-13	No.	4		
13.065	The same, ШТП-11	No.	2		
13.066	Insulation of outside air pipelines with fibre glass				
	glass batt insulation	m3	22		
13.067	Covering layer of foil-mastic felt, air pipelines	m2	367		
13.068	Cowl for the air pipeline with d=200 mm	No.	1		
	Silencer ШT∏-10	No.	4		
13.070	Flexible connectors BFB, d=300 mm	No.	13		
	Total (Carry to summary Bill no. 05)				

BILL No.: 07 - Ticketing Building

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over				
10	Joinery works				
10.001	Installation of doors ДH21x10 with a lock in		}		
	outside walls	No.	1		
10.002	The same, polished in internal walls, DG21-9	No.	2		
10.003	The same, in partitions		1		
	ДГ21-9	No.	2		
10.004	ДГ21-7	No.	1		
10.005	ДГ16-7	No.			
10.006	Installation of doors from PIMAPEN with dim.				
	2.1x1.0 with glazed with 6 mm glass	No.	11		
10.007	The same, windows with glazing by insulating				
	glass unit of 4x4 dim.				
	12-15	No.	4		
10.008	04-06	No.	1		
10.009	12-06	No.	4		
11	Finishing works				
11.001	Facing of walls with glazed ceramic tiles	m2	18.2		
11.002	Whitewash painting of ceilings and walls	m2	198		
11.003	Improved water emulsion painting of ceilings	m2	48		
11.004	Improved oil painting of walls	m2	137		
11.005	Oil painting of the steel structures	m2	288		
11.006	Facing of outside socle with limestone tiles	m2	25.2		
11.007	Perchlorvinil painting of facade walls	m2	93		
11.008	Covering of floors with ceramic tiles	m2	51.4		
11.009	Covering of floors with parquet upon a deck of				
	planks	m2	45.9		
11.010	Covering of squares with ceramic tiles	m2	5.2		
11.011	Installation of ceiling insulation of acoustical				
	boards in the basement	m2	45		
11.012	Installation window boards of marble tiles	m2	2.8		
12	Electrical installations/controls				
	Electric lighting	1			
12.001	Group lighting meter-board ΠΡΙΙ-1062	No.	1		
12.002	Photo relay with transmitter ΦP-2	No.	1		
12.003	Lighting fittings with luminiscent lamps	No.	15		
12.004	Consumer's chandelier	No.	6		
12.005	Wall lighting fitting H5001-60	No.	1		
12.006	Wall lighting fitting ΠΠΡ-100	No.	5		
12.007	Switch for hidden wiring	No.	3		
12.008	Switch T-1	No.	6		
12.009	Outlets for hidden wiring	No.	9		
12.010	The same, for open wiring	No.	3		
12.011	Plastic boxes ΥΠΚ-4	No.	33		
12.012	Laying of viniplastic pipes with a d. of 20 mm	m	51		
12.013	Laying of viniplastic pipes with a d. of 50 mm	m	3		
12.014	Magnetic starter ПМЛ-121002	No.	6		
12.015	Control button ΠΚΕ212-2Υ3	No.	4		
	Subtotal (Carry to next page)				

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BILL No.: 06, Border Control Building

Item No	Description	Unit	Quantity	Unit price	Total price
	Carried over				
07	Masonry works				
07.001	Walls of foundation, basement entrance and				İ
	porch of "cubic" stones, 39 cm thick, on mortar				ļ
	M-50	m2	63.1		1
07.002	Horisontal wall insulation with cement mortar				
	with the thickness of 20 mm	m2	51		
07.003	Side insulation of foundation walls and ducts				
	with cement mortar	m2	156		
07.004	Outside walls of "cubic" stones, 39 cm thick on	1112	1.00		
	mortar M-50	m2	242.1		'
07.005	The same, inside walls	m2	91.1		
07.006	Partitions of bricks, 12 cm thick	m2	219.3		
07.007	Duct steps of "cubic" stones, t. 39 cm	m2	3.4		
07.008	The same, t. 19 cm	m2	35.1		
07.009	Finishing of ceilings for painting	m2	285		
07.010	Plastering improved of inside walls	m2	684		
07.011	Plastering improved of inside window and door	1112	004		
	and door reveals	m2	32		
07.012	Plastering of walls and bottoms of ducts with	1112	32		
	cementation	m2	104		
07.013	High quality plastering of facade walls and	1112	104		***
	entrance to the basement	m2	240		
07.014	High quality plastering of facade slopes		248 112		
08	Steel works	m	112		
08.001	Installation of steel shed posts of pipes with				
00.001	d=245x6 mm	1	5044		
08.002	Installation of steel shed beams from U-profile	kg	5841		
00.002	No. 20		5000		
08.003	Installation of shed purlins of U-profile No. 10	kg	5226		
	Installation of steel frames from and N. 10	kg	3666		
	Installation of steel frames from angle No. 50x50	kg	6428		
	Shed roofing of galvanised steel floor decking	m2	810		
	Lining of shed parapet with metal floor decking	m2	162.1		
	Anchor bolts for posts installation	kg	48		
	Ticketing kiosks 2.5x1.6x2.2 (i) from		_		
	PIMAPEN with 6 mm glass glazing	No.	6		
I	Steel framework for air-conditioner on roof and		ŀ		
	in ducts	kg	111		
	Lining on fronts incl. gutters	m2	303		
	Roofing works		ĺ		
09.001	Water insulation in a layer of bitumenous felt	m2	324		
09.002	Cement blinding, thick. 30 mm on the roof	m2	324		
	Roofing of 3 layers of fibre glass felt	m2	324		
09.004	Heater of expanded clay with thickn. of 8-14 cm	m3	35.6		
	Cement blinding with t. of 20 mm under floors				
	(2 layers)	m2	570		
	Subtotal (Carry to next page)				

BILL No.: 07 - Ticketing Building

Item No	Description	Unit	Quantity	Unit price	Total price
	Carried over	<u> </u>			
12.052	Tightening of each subsequent wire		· · · · · · · · · · · · · · · · · · ·		
	ΠB3 sec. 1x1.0 mm2	m	20		
12.053	The same, A∏B 1x2.5 mm2	m	10		
12.054	Laying of chute ЛП-85	No.	6		
12.055	Steel structures	kg	20		
	Phone Communication				
12.056	Installation of distributor box КРТЛ-10	No.	1		
12.057	The same, PTЩ	No.	4		
12.058	Laying of wire TPП-2x0.4 mm2 along walls	m	90		
· · · · · · · · · · · · · · · · · · ·	Radio		- 55		
12.059	Installation of branch boxes YK-2∏	No.	3		
	The same, YK-2P	No.	7		
	Installation of radio outlets PNB-2 for hidden	140.	· · · · · · · · · · · · · · · · · · ·		
	wiring	No.			
	The same, for open wiring	No.	3		
12.063	The same, ΠΠΒ-2x0.6		95		
13	Water supply/sewerage/heating	m	95		
.	Water supply				
13.001	Laying of water-gas galvanised pipes, d=15 mm				
		m	3		
	Laying of water-gas galvanised pipes, d=20 mm Test of the system	m	10	····	
	Cost of globa valve 45 - 49 0 4 00	LS	-		
13.004	Cost of globe valve 15кч18р2 d=20 mm	No.	2		
13.003	Oil painting of pipes in 2 times	m2	3		
13.006	Sewerage				
13.007	Laying of cast iron pipes with the d=50 mm	m	2		
	Laying of cast iron pipes with the d=100 mm	m	15		
	Installation of faience wash basins "Утро" type		l		
	with a tap	No.	1		
	Cast iron WC with a cistern	No.	1		
13.010	Installation of steel sink with a tap	No.	11		
40.044	Heating	,	Ī		
13.011	Installation of cast-iron radiant heaters M-140-AO	esm*	12.6		
13.012	Laying of steel pipes, d=15 mm with oil painting	m	60		
	Test of the system	LS	- 1	-	
13.014	Installation of the Eng. Maevsky's air valve	No.	2		
	Cost of globe valve 15кч18p2 d=15 mm	No.	4		
	Cost of a double control valve for radiant heaters				
	d=15 mm	No.	5		
13.017	Lubrication of steel pipes with mastic compound	No.	0.4		
13.018	Insulation of pipes with mineral wool	m3	0.01		
	Covering layer from glass fiber reinforced plastic PCT	m2	2.4		
	Ventilation				
13.020	nstallation of abat-vents ДВК-5, d=200 mm	No.	1		
	Air pipeline of galvanised steel, t=0.5 mm,				
	d=200 mm	m2	1		
13.022	inear air terminal device 150 sec. 150ŏ150 mm	No.	1		
	Subtotal (Carry to next page)				

BILL No.: 06, Border Control Building

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over				
12.013	Laying of viniplastic pipes with d=20 mm	m	158		
12.014	Laying of wires for ABPT-type hidden wiring				
	section 2x2.5 mm2	m	540		
12.015	Laying of ABPF-type cable with sec. 2x2.5 mm2	·			
	along walls on buckles	m	428		
12.016	The same, in viniplastic pipe	m	158		
12.017	Laying of ABPT-type with sec. of 2x4 mm2				
	along walls on buckles	m	25		
12.018	The same, sec. of 4x2.5 mm2	m	10		
12.019	The same, sec. of 3x10+1x16 mm2	m	5		
12.020	Laying of AППВС-type wire, sec. 2x2.5 mm2				
	in slab hollows	m	80		
12.021	Lighting fittings with luminiscent lamps				
	УСП5-6х20	No.	14		
12.022	УСП5-4х40	No.	16		
12.023	УСП5-2х40	No.	30	· · · · · · · · · · · · · · · · · · ·	
12.024	УСП5-40	No.	6		
12.025	Л104Б-40	No.	12		
12.026	Luminiscent lamps	110.	<u>''</u>	· · · · · · · · · · · · · · · · · · ·	
	лб-20	No.	84		
12.027	лб-40	No.	142		i
12.028	Starters	No.	142		
	Lighting fittings for ceilings HΠ-001	No.	2		
12.030	The same, ΠΠ-100	No.	4		
12.031	Glow lamps	No.	6		
12.001	Fire Alarm System	INU.	0		
12.032	Installation of fire alarm station ТОЛ-10-С	No.	1		
12.033	The same, for battery 10%H-60M	No.	1		
12.034	The same, for alarm bell M3-1	No.	1		
12.035	The same, for push-button informant ПКИЛ-9М	No.	2	-	
12.036	The same, for heat transmitter of the informant	140.			
12.000	ИП105-2/1	No.	38		
12.037	Laying of TPΠ type wire with sec. 1x2x0.5 mm2	m	250		
12.038	Plastic branch box	No.	19		
	Installation of wall lamp socket with lamp	No.	1	J	
12.040	Installation of wall lamp socket with lamp	No.	1		
12.040	station	INO.	'		
	Phone Communication			-	
12.041	Installation of distributor box KPTП-10	No.	1		
12.042	The same, outlets PTIII	No.	20	1	
12.043	Laying of wire TRP-2x0.4 mm2 along walls		490		
12.040	Radio	m	490		
12.044	Subscriber's transformer TAMY-10	No	1		
12.044	Installation of branch boxes YK-2Π	No. No.	1		
12.045	The same, YK-2Π	No.	21		
12.046	Installation of radio outlets PNP-2 for hidden	INO.	21		
12.047	wiring	No	15		
		No.	15		
	Subtotal (Carry to next page)		l	<u> </u>	

BILL No.: 08, Public Services Building

Item No	Description	Unit	Quantity	Unit price	Total price
,				in USD	in USD
03	Earthworks	m2	145		
03.001	Excavation of for foundations to depot on site	m3	145		
03.002*	Transportation of soil to approved dump	m3		<u> </u>	
03.003	Backfilling of sand from depot	m3	122		
03.004	Compaction of the sand in layers of 20 cm	m3	122		
03.005	Gravel layer under strip foundations,				
	10 cm thick	m3	8.3		
03.006	Compaction of the soil with gravel under floors	m2	1.36		
06	Concrete works				
06.001	Reinforcement steel of in-situ RC structures	kg	3634		
06.002	Concrete blinding of B-7.5 type concrete, 10 cm				
00.002	thick, under foundations	m3	7		
06.003	RC strip foundations of concrete B-15	m3	22.5		
06.004	In-situ RC columns of concrete B-20 for				
00.004	Iframes	m3	2.64		
06.005	Monolithic RC girders of frames with a length of	1110			
00.003	up to 500 mm on the height of up to 6 m of				
	concrete B-20	m3	4		
06.006	Monolithic RC lintel of concrete B-15	m3	0.88	ļ	1
06.007	Monolithic RC belt of concrete B-15	m3	4.64	 	
	<u> </u>	m3	4.12		
06.008	Monolithic RC floor parts of concrete B-15	1113	4.12		
06.009	Installation of pre-fabricated RC hollow slabs for				
	floors	N1-			
00.010	1ПК59.12-8Aт.С9	No.	4	 	
06.010	1ΠK71.12-8Aτ.C10	No.	5		<u> </u>
06.011	1ПK59.12-8Aт.С11	No.	8		
06.012	1ПK59.12-8Aт.С12	No.	2		
06.013	Concrete blinding 8 cm thick from concrete				
	B-7.5 under floors	m3	10.9		
06.014	Concrete blinding under floors of squares and		ļ		
	steps from concrete B-7.5	₹ m3	14.1		
06.015	Installation of concrete steps	m	70.8		
06.016	Concrete blinding 10 cm thick from concrete				
	B-15 for canals	m3	9		
06.017	Installation of pre-fabricated RC slabs ПТ12.5-8.6	No.	73		
	for canals				
	Subtotal (Carry to next page)				

BILL No.: 06, Border Control Building

Item No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
	Carried over				
13.031	The same, sec. 150x150 mm	m2	12		
13.032	The same, d=150 mm	m2	3.5		
13.033	Air disharge grille PP-1 type, sec.200x100 mm	No.	15		
13.034	Linear air terminal device P-150 sec. 150x150	No.	2		
13.037	A cowl for air pipelines, d=150 mm	No.	1		
13.036	Air pipeline insulation of fiber glass flexible				
	insulation (on the roof)	m3	5.5		
13.037	Covering layer of air pipelines from foil-mastic				
	felt	m2	90		
13.038	Flexible connector 500x500 BTH	No.	2		
13.039	Silencers ШТП-12	No.	2		
13.040	The same, ШТП-10	No.	2	1	
14	Pavement and Road Works				
14.001	Traffic barrier (booms)	No.	6		
	Total (Carry to summary Bill no. 06)		1		

^{*-} equivalent square meter

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BILL No.: 08, Public Services Building

Item No	Description	Unit	Quantity	Unit price	Total price
	· •			in USD	in USD
	Carried over				
10	Joinery works				
10.001	Installation of polished doors with a lock				
-	ДН21x10 in outside walls	No.	2		
10.002	The same, in internal walls, type ДГ21-9	No.	2		
10.003	The same, in partitions			1	}
	AC21-9	No.	5		
10.004	AC21-7	No.	2		
10.005	AΓ16-7	No.	7		
10.006	Installation of window blocks of "ПИМАПЕН"				
	with glazing with iinsulating glass unit.				
1	1.4x1.8 M	No.	1		
10.007	The same, blind transoms 1.2x2.5	No.	2		
10.008	Installation of stained-glass windows from				
1	PIMAPEN with door, 2.0x2.5	No.	11		
10.009	Glazing of stained-glass windows with 6 mm				
	polished glass	m2	11		
10.010	Installation of the wooden barrier	m	3		
11	Finishing works				
11.001	Facing of walls with glazed ceramic tiles	m2	175.1	<u> </u>	ļ
11.002	Whitewash painting of ceilings and walls	m2	190		
11.003	Improved water emulsion painting of ceilings	m2	81		
11.004	Improved oil painting of walls	m2	100		
11.005	Complete aligning of concrete girders	m2	16		
11.006	Facing of outside socle with limestone tiles,				
	basement	m2	25.2		
11.007	Perchlorvinil painting of facade walls	m2	210		
11.008	Covering of floors with ceramic tiles	m2	78		
11.009	Covering of floors with marble tiles	m2	72.8		
11.010	Sand bedding under porch floors	m3	14.5		
11.011	Covering of squares with ceramic tiles	m2	48.4		
11.012	Installation of marble window boards	- m2	2.6		
	Subtotal (Carry to next page)			<u></u>	

BILL No.: 07 - Ticketing Building

Item No	Description	Unit	Quantity	Unit price	Total price
	Carried over				
07	Masonry works				
07.001	Walls for foundations, entrance to the basement				
	and of the porch from "cubic" stones, 39 cm				
	thick on mortar M-50	m2	128.8		
07.002	Horisontal insulation of walls by cement mortar				
	with the thickness of 20 mm	m2	15		
07.003	Side insulation of foundation walls by cement				
	mortar	m2	83		
07.004	Outside walls of "cubic" stones with the				
	thickness of 39 cm on mortar Ì-50	m2	95.6		
07.005	The same, for internal walls	m2	11.4		
07.006	Partitions of bricks, 12 cm thick	m2	33		
07.007	Finishing of ceilings for painting	m2	90		
07.008	Plastering improved of internal walls	m2	252		
07.009	Plastering improved of internal window and door				
	reveals	m2	15		
	High quality plastering of facade walls and		ļ		
	entrance to the basement	m2	93		
07.011	High quality plastering of slopes on the facade	m2	38		
08	Steel works				i
08.001	Installation of steel shed posts of pipes with				
	diameter 245x6 mm	kg	1935		
	Installation of steel shed beams of U-profile No 20	kg	1711		
	Installation of steel shed purlins of U-beams No 10	kg	1142		
08.004	Installation of steel frames of angle No 50x50	kg	2537		
08.005	Roofing of the shed from galvanised metal	- Ng	2007		
	decking	m2	280		-
08.006	Lining of the shed parapetum by galvanised				
	metal decking	m2	78		
08.007	Anchor bolts during installation of the posts	kg	160		
800.80	Ticketing kiosks of PEMOPEN with glazing of				
	6 mm glass, dim. 2.5x1.6x2.2 (H)	No.	3		
08.009	Lining on fronts incl. gutters	m2	93		
	Roofing works				
09.001	Water insulation in one layer of bituminous felt	m2	58		
09.002	Cement blinding, thickness 25 mm on roof	m	58		
	Roof of three layers of fibre glass felt	m	58		
	Heater of expanded clay, thickness of 8-14 cm on the roof	m3	6.4		
	Cement blinding, 20 mm thick under floors	m2	90		
	Water insulation in two layers of mastic	1112			
1	compound under floors	m2	52		
	Side insulation of foundation walls with bitumen	m2	83		
	2 times				
	Subtotal (Carry to next page)				

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BILL No.: 08, Public Services Building

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over				
13	Water supply/sewerage/heating				
	Water supply]	
13.001	Laying of water-gas galvanised pipes with d=15				
<u>-</u>	mm	m	30		
13.002	Laying of water-gas galvanised pipes with d=20				
	mm	m	15		
13.003	Test of the system	LS	-	-	
13.004	Cost of globe valve 1548p2 d=15 mm	NO:	15		
13.005	Cost of globe valve 15ч8 _P 2 d=20 mm	No.	2		
13.006	Oil painting of pipes (2 times)	m2	8		
	Sewerage				
13.007	Laying of cast-iron pipes with d=50 mm	m	12		
13.008	Laying of cast-iron pipes with d=100 mm	m	45		
13.009	Laying of cast-iron pipes with d=150 mm	m	32		
13.010	Installation of enamelled wash basin with a tap	No.	7		
13.011	Floor gully installation, d=100 mm	No.	2		
13.012	Installation of cast-iron WC pan with a cistern	No.	4		
13.013	Installation of steel sink with a tap	No.	2		
13.014	Installation of faience urinals	No.	4		
	Heating		,		
13.015	Installation of radiant heaters m-140-a	esm**	21		
13.016	The same, of air valve	No.	2		
13.017	Laying of steel pipes, d=15 mm	m	110		
13.018	Test of the heating system	LS	-	_	
13.019	Cost of valve 15кч18п, d=15 mm	No.	4		
13.020	Cost of double control valve КРДШ	No.	6		
13.021	Oil painting for steel non-insulated pipes and				
	radiant heaters	m2	23		
13.022	Lubrication of steel pipes with mastic compound	m2	3		
13.023	Insulation of steel pipes from mineral wool boards	m3	0.5		
13.024	Covering layer of glass fiber reinforced plastics	m2	18		
	PCT	*			
	Ventilation	, , , , , , , , , , , , , , , , , , , 			
13.025	Installation of consumer's air conditioner БК2500	No.	1		
13.026	Installation an axial flow fan				
	AXC-315 weghing 8 kg	No.	1		
13.027	The same, AXC-200A, weighing 5 kg	No.	2	· · · · · · · · · · · ·	
13.028	Air pipelines of galvanised steel, 0.6 mm thick				
	d=300 mm	m2	3		
13.029	The same, of steel, 0.5 mm thick, d=200 mm	m2	8		
13.030	Control linear air terminal device, P150, sec.				
	150x150 mm	No.	11		
13.031	The same, P200, sec. 200x400 mm	No.	6		
13.032	A cowl for air pipelines, d=200 mm	No.	2		
13.033	The same, d=300 mm	No.	1 1		
	Total (Carry to summary Bill no. 08)		J		

^{* -} Reclamation over outside foundaion walls has been taken into account in the volume of vertical levelling

^{** -} equivalent square meter

BILL No.: 07 - Ticketing Building

item No	Description	Heid	Ourstitus	100-24	
	Description	Unit	Quantity	Unit price	Total price
	Carried over		-	in USD	in USD
12.016	Laying of control cable ДКВВГ6 with a size of				
	4x2.5 mm2	m	4		
12.017	Laying of cable ABBF with sec. 2x2.5 mm2	- '''-	4		
	along walls on buckles	m	199		
12.018	Laying of cable ABBF, size 3x4+1x2.5 mm2	m	199	·	
	along walls on buckles	m	60		
12.019	The same, in viniplastic pipes	m	54		
12.020	Laying of AΠΠBC type wire with sec. of 2x2.5	111	34		
	mm2 with blocking under plaster	m	100		
12.021	The same, in the slab hollows	m	100 30		
12.022	Lighting fitting YC∏5-2x40	No.	12		
12.023	YCΠ5-40	No.	3		
12.024	Consumer's chandelier with one lamp	No.	5		
12.025	The same, with two lamps	No.			
	Lighting fitting H5001-60		1		····
	Lighting fitting ∏∏P-100	No.	1		
	Luminiscent lamps ЛБ-40Вт	No.	5		
	Starters	No.	27		
	Glow lamps, various	No.	27		
12.000		No.	13		
12.031	Fire alarm system Installation of fire alarm station TO∏-10-C	 			
		No.	1		
	The same, for battery 10ЖH-60M	No.	1		
	The same, for loud ringing bell M3-1	No.	1		
	The same, for push-button informant ПКИЛ-9M	No.	2		
	The same, for heat transmitter of the informant ИП105-2/1	l		1	
		No.	16		
	Laying of TPП type wire with sec. 1x2x0.5 mm2 Plastic branch box	m	95		***
		No.	3		
	Installation of wall lamp socket with lamp	No.	1		
	Installation of power supply block БП-24/4 of the station	No.	1		
12.040	Controls of the heat distribution point	45			-
	nstallation of temperature regulator T48-M1	No.	1		
	The same, resistance thermometer TCM-0879				
	on pipeline	No.	2		
	The same, TCM-6114 on wall	No.	1		
- 1	nstallation of mercurial thermometer on pipeline			}	
		No.	3		
	nstallation of manometer MΠ-4Y on pipeline	No.	10		
	nstallation of 1/2" manometer connection pipe			1	
12.046 I	6-225Y on the pipeline	No.	10		
	nstallation of junction box KS-10	No.	1		
	aying of cable KBBF 3 sec. 4x1.00 mm2	m	20		
	atying of metal-lined hose P3-Ц-X-Ш-18	m	10		
	aying of protective pipes d=20 mm	m	10		
12.050	ightening of the first wire in pipes PWZ 1x1.0 m	m	15		
	he same, AΠB 1x2.5 mm2	m	5		
	Subtotal (Carry to next page)				

BILL No.: 09. - Passenger Bridge

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over				
11	Finishing works				
11.001*	Covering of the floor with asphalt, 3 cm thick	m2	530		
11.002*	Oil painting of the steel structures	m2	152		
11.003*	Covering of platforms with ceramic tiles	m2	48		
12 12.001*	Electrical installations/controls Installation of lighting fixture HCΠ02 with incandescent lamps БК-220-150	No.	54		
12.002*	The same, plastic boxes Y409	No.	54		
12.003*	Laying of PVC pipes, d=20 mm	m	169		
12.004*	Pulling of the ΠΠΒ wire, size 2x1.5 mm2 in the pip	m	203		
	PVC connectors, d=100 mm	No.	54		
	Total (Carry to summary Bill no. 09)				

Filling of the soil has been taken into account in works for levelling of the platform

BILL No.: 07 - Ticketing Building

Item No	Description	Unit	Quantity	Unit price	Total price
• • • • • • • • • • • • • • • • • • • •				in USD	in USD
	Carried over				
	Heat Distribution Point				
13.023	3 section speedy boiler, 10-168-4000 p,				
	weighing 633 kg	set	1		
13.024	Centrifugal pump K20/30 with electric motor				
	4Л-10052	No.	2		
13.025	The same, K8/18 with electric motor 4A80A2	No.	2		
13.026	Drain pocket, d=100 mm	No.	2		
	Manual pump БК-8-2	No.	1		
13.028	Water flow meter BTГ-50	No.	1		
13.029	Steel valve 30с41нж, d=100 mm	No.	4		·
13.030	Cast iron valve 30ч66P, d=100 mm	No.	8		
13.031	Steel globe valve 15с27нж1, d=25 mm	No.	5		
13.032	Back valve 19ч216P, d=100 mm	No.	2		
13.033	The same, 16436P, d=25 mm	No.	2		
13.034	Control valve 25ч931нж, d=50 mm	No.	1		
13.035	Steel pipe laying, d=108x3.5 mm	m	48		
13.036	The same, d=32x2.0 mm	m	21		
13.037	Supports under the boiler from steel plates	kg	212		
13.038	Vibration isolators ДО45 under pumps	No.	16		-
13.039	Hoses, connectors, d=100 mm	m	2.8		
	The same, d=50 mm	m	2.8		
13.041	Pre-fabricated RC slab 1.2x0.8x0.2, 2 pieces	m3	0.4		
13.042	Painting of pipelines and the boiler with				
	mastic compound	m2	28		
13.043	Insulation of the pipeline and equipment with				
	mineral wool half-cylinders	m3	1.6	İ	
	Covering layer of glass fiber reinforced plastic				
	PCT, rolled	m2	56		
14	Pavement and Road Works				
	Traffic barriers (booms)	No.	3		
14.002	Other(to be inserted by the bidder)	1 1			
	Total (Carry to summary Bill no. 07)	J	<u>L</u>		

^{*-} equivalent square meter

BILL No.: 10. - Electric Workshop

Item No	Description	Unit	Quantity	Unit price	Total price
	Carried over		ļ	in USD	in USD
07	Masonry works				
07.001	Foundation walls from "cubic" stones, 39 cm	 			
07.001	thick on mortar M-50		25.5		
07.002	Horisontal insulation of walls by cement mortar	m2	25.5		
07.002	with the thickness of 20 mm		14		
07.003	Side insulation of foundation walls with cement	m2	14		
	mortar	m2	51		
07.004	Outside walls of "cubic" stones with the	m2	31		
07.50	thickness of 39 cm on mortar M-50	m2	00.0		
07.005	The same, guard wall, thikness 19 cm	m2 m2	90.9		
07.006	Partitions of bricks, 12 cm thick	+			
07.007	Finishing of ceilings for painting	m2	57.6 72		
07.008	Improved plastering of internal walls	m2			
07.009	Improved plastering of internal window and door	m2	206		
01.000	reveals		ا		
07.010	High quality plastering of facade walls	m2	8		
07.011	High quality plastering of slopes on the facade	m2	121		
07.011	riight quality plastering of Slopes of the facade	m2	32		
08	Steel works				
08.001	Lining on fronts incl. gutters		400		
08.002	Rainforcing of walls	m2	136		
00.002	Trainforcing of Walls	kg	140		
09	Roofing works	ļ			
09.001	Water insulation in one layer of bituminous felt			İ	
09.002	Cement blinding on the roof, thickness 25 mm	m2	84		
	Roof of three layers of fibre glass felt	m2	84		
	Cement blinding, 20 mm thick under floors.	m2	84		
	2 layers	m2	142		
	Water insulation in two layers of mastic				
- 1	compound	0	74		
	Side insulation of foundation walls with bitumen	m2	71		
- 1	in 2 times	m2	51		
	111 £ 111103	`			
10	Joinery works				
l.	Installation of polished doors with a lock				
1	ДН21x10 in outside walls	No.	ما		
	The same, in partitions , type ДГ21-9	No.	2		
	Installation of window wooden blocks, type	140.			
	OC17-18 with glazing	No.			
	TO With glazing	INU.	3		
11	Finishing works				ļ
	Whitewash painting of ceilings and walls	m ²	165		
	Improved oil painting of walls	m2	165		
	Improved oil painting of windows	m2	135		
	Improved oil painting of doors	m2	25		
	Improved oil painting of wooden floors	m2	28		
	Perchlorvinil painting of facade walls	m2	14		
	Subtotal (Carry to next page)	m2	136		
	- Interest (Odity to next page)				

BILL No.: 08, Public Services Building

ltem No	Description	Unit	Quantity	Unit price	Total price
-	Carried over			in USD	in USD
07	Masonry works				
07.001	Foundation walls from "cubic" stones, 39 cm				
	thick on mortar M-50	m2	49.9		
07.002	Horisontal insulation of walls by cement mortar	1112	1 40.0		
	with the thickness of 20 mm	m2	25		
07.003	Side insulation of foundation walls with cement		1		
	mortar	m2	87		
07.004	Outside walls of "cubic" stones with the				
	thickness of 39 cm on mortar Ì-50	m2	156.2		
07.005	The same, for internal walls	m2	29.5	×	
	Partitions of bricks, 12 cm thick	m2	95.3		
	Porch walls of "cubic" stones, 19 cm thick	m2	3.2		
07.008	Canal walls of stones "cubic", 19 cm thick	m2	35.8		
07.009	The same, 39 cm thick	m2	1.8		
07.010	The same, from bricks 12 cm	m2	7.6		
07.011	Side insulation of wall canals with cement mortar	m2	24		
	Finishing of ceilings for painting	m2	136		
	Plastering improved of internal walls	m2	399		
07.014	Plastering improved of internal window and door				
07.045	reveals	m2	9		
	High quality plastering of facade walls	m2	189		
	High quality plastering of slopes on the facade	m2	28		
07.017	Plastering of internal canal walls with dry	_			
	cementation	m2	51		
08	Stool works				
	Steel works Installation of steels angles No 63 in canal				
00.001	corners	l. o	20		
08.002	Lining on fronts incl. gutters	kg m2	38 210		
00.002	Limity on nones mer. gatters	1112	210		•
09	Roofing works				
ı	Water insulation in one layer of bituminous felt	≒ m2	159		
	Cement blinding on the roof, thickness 25 mm	m2	159		
	Roof of three layers of fibre glass felt	m2	159		
	Heat insulating layer of expanded clay, 8-14 cm	1114	1		
	under roof	m3	17.5		
	Cement blinding, 20 mm thick under floors,	m2	302		
	2 layers				
	Water insulation in two layers of mastic		1		
	compound	m2	151		
09.007	Side insulation of foundation walls with bitumen	m2	87		
	in 2 times				
09.008	The same, with bitumen in 2 times	m2	24		
	Subtotal (Carry to next page)				

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Vol. III.i - The Works, Bill of Quantities

BILL No.: 08, Public Services Building

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over	<u> </u>			
12	Electrical installations/controls				
12.001	Group lighting meter-board УОЩВ-12АУХЛ4	No.	1		
12.002	Photo relay with transmitter ΦΠ-2	No.	1		
12.003	Lighting fittings with luminiscent lamps up to 6				
	pieces	No.	14		
12.004	Lighting fitting with glow lamps H∏-001	No.	8		
12.005	The same, for walls	No.	3		
12.006	Switch T-1 for hidden wiring	No.	9		
12.007	Outlets for hidden wiring	No.	4		
12.008	The same, for open wiring	No.	2		
	Plastic boxes ΥΠΚ-4	No.	25		
12.010	Laying of wires ANNBC with sec. 2x2.5 mm2				
	under plaster	m	170		
12.011	The same, in slab hollows	m	55		
	Laying of cable ABPF with sec. 2x2.5 mm2				
	along walls on buckles	m	32		
12.013	The same, sec. 4x2.5 mm2	m	20		
	Cost for lighting fitting with luminiscent lamps				
	Л104Б-6х20	No.	1 1		
12.015	The same, Л104Б-4x20	No.	13		
	The same, for luminiscent lamps ЛТБЦ-20	No.	58		
	The same, for starters	No.	58		
	The same, for ceiling lighting fitting H∏001	No.	8		
12.019	The same, for wall lighting fittings H5005	No.	3		
	The same, for glow lamps	No.	11	4	
	Fire Alarm System	140,			
12.021	Installation of the fire alarm station ТОЛ-10-С	No.	1		
	The same, accumulator battery 10ЖH60M	No.	1		
12.023	The same, loud ringing bell H3-1	No.	1		
	Installation of push-button informant ПКИЛ-9М	No.	1		
	Installation of heat transmitter ИП105-2/1	110.	'		······································
	of the informant	· No.	21		
	Laying of wire TPП, sec. 1x2x0.5 mm2	m	120		
	Plastic branch box	No.	1		
	Installation of lamp socket with a lamp	No.	1		
	Installation of power supply block 5∏-24/4 for the	No.	1		
	station	140.	'		
	Phone Communication				
12.034	Installation of the KPTП-10 distribution box	No.	1		
	The same, the PTШ	No.	4		
	Laying of wire TP∏-2x0.4 mm2	m	90		
	Radio		- 30		
2.037	Installation of branch box YK-2□	No.	1		
	The same, branch box YK-2P	No.	2		
	The same, radio outlet PΠB-2 for hidden wiring	No.	2		
	Laying of the PPV-2x0.6 mm2 wire	m	20		
	Subtotal (Carry to next page)	111			

BILL No.: 09. - Passenger Bridge

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
03	<u>Earthworks</u>				
ì	Levelling of the pile area	m ₂	1200		
03.002*	Gravel base, 10 cm thick	m3	9.1		
00.002	Craver base, 10 om tillek	1113	3.1		
05	Pile works				
05.001*	Delivery of RC - piles, 30 x 30 cm, 14 m long (35 piles)	No.	35		
00.001	Driving of RC piles, size 30x30 cm, 14 m long (35	NO.	35		
05.002*			400		
03.002	Preparation (cutting etc.) of RC-piles after	m	490		
05.003*			0.5		
05.003	installation	No.	35		
06	Comparate weather				
	Concrete works				
00.001	Reinforcement of foundations, posts, girders	kg	5930		
	Concrete blinding of 10 cm from concrete B7.5	m3	7.2		
06.003"	In-situ RC foundations for columns from concrete				
00 00 1+	B20	m3	52.2		
06.004*	In-situ RC posts from cocnrete B20	m3	13		
	In-situ RC girders from concrete B20	m3	14		
	In-situ RC slabs from concrete B20	m3	8		
06.007*	Installation of concrete steps ЛС-14	m	233.8		
08	Steel works				
08.001*	Anchor bolts for fastening of the posts	kg	560		
08.002*	Built-in items in the in-situ structures	kg	170		
	Instalation of steel frames from square pipes	9	170		
	140x140x6	kg	35170	ļ	
08.004*	100x100x4	kg	00170		
	Installation of purlins from I-beams No 10	kg	11360		
	Floor base of the passenger bridge from 4 mm	ıvş .	11000		
	thick steel sheet	kg	16010		
	Covering of the roof with metal floor decking of	· m2	590		
	1 mm thickness	· 1112			
	Built-in items for frames from sheet steel with a		 		
	thickness of 10 mm and 24 mm	kg	2229	Ì	
	Installation of handrails from steel pipes with		880		
	d=32x4	m	000		i
	Enclosure of the bridge with a net H=3,0 m	m2	1010		
	Installation of posts from pipes, d=245x6 mm,		3929		
	Installation of bridgeboards and purlins from	kg	3929		
	U-profile No 20	k~	6600		ŀ
	Stair guardrails with handrails from pine-tree	kg m	6680		
	Reinforcing of the in-situ RC slab	m ka	202		
	Installation of steel angle bars no. 50 x 5	kg	420		
		kg lsa	302		
	Laying parts made from steel plate	kg	205		
	Installation of stairs made from channel no. 20		1100	ŀ	
	tube D 30 x 5 of steel plate 5 mm thickness	kg	1196		
	Subtotal (Carry to next page)			<u> </u>	

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BILL No.: 10. - Electric Workshop

Item No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
03	<u>Earthworks</u>				
03.001	Excavation of soil for foundation to depot on site	m3	180		
03.002*	Transportation of soil to approved dump	m3	180		
03.003	Backfilling of sand from depot	m3	780		
	Levelling and compaction of sand in layers of 20	1			
03.004	cm	m3	180		
03.005	Gravel layer under strip foundations,				
	thickness 10 cm	m3	3.6		
03.006	Compaction of the soil with gravel under floors	m2	71		- · ·
05	Pile works				
05.001	Delivery of RC-piles, 30 x 30 cm, 15 m long	No.	14		
05.002	Driving of 15 m long RC piles with sec. of	140.	14		
	30x30cm	m	210		
	Preparation (cutting etc.) of RC-piles after		210		<u> </u>
05.003	installation	No.	14		
06	Concrete works				
06.001	Reinforcing of in-situ RC structures	kg	1,545		
06.002	Concrete blinding with thickness of 10 cm				
	under foundations of concrete B-7.5	m3	3.2		
	RC strip foundations of concrete B-15	m3	11.7		
06.004	Molithic RC posts of concrete B-15	m3	1.5		
06.005	Monolithic RC beams from concrete B-15	m3	1		
	Monolithic RC lintel of concrete B-15	m3	0.8		
06.007	Monolithic RC belt of concrete B-15	m3	1.8		
06.008	Monolithic RC parts of floors from concrete B-15	m3	4.7		
06.009	Installation of pre-fabricated RC hollow slabs for				
	floors 1ΠK59.12-8τC9	No.	8		
06.010	8 cm thick concrete blinding of concrete B7.5				
	under floors	m3	4.7		
06.011	Concrete blinding under floors of platforms and	÷.			
	steps from concrete B-7.5	m3	1.2	Ì	
06.012	Installation of concrete steps	m	13.6		
20.040					····
06.013	Blinding of expanded clay concrete, for roof	ļ	1		
	thikness 60-120 mm	m3	76	_	
	Subtotal (Carry to next page)				

BILL No.: 10. - Electric Workshop

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over				
11.007	Covering of floors with concrete B12.5 by				
	thikness 3 cm	m2	57		
	Wooden floors by 37mm thickness with				
11.008	installation of floor batten	m2	14.4		
12	Electrical installations/controls				
	Electric lighting				
12.001	Group lighting meter-board УОЩВ-12АУХЛ4	No.	1		
12.002	Lighting fittings with luminiscent lamps and				
	starters, type УСП5-4х40 ceiling	set	8		
12.003	Lighting fitting with glow lamps H∏-001	No.	4		
12.004	The same, for walls HБ-005-100	No.	3		
	Phone Communication and				
	fire alarm system				
12.005	Laying of wire TPЛ-2x0.4 mm2	m	15		
12.006	Installation of the PTШ distribution box	No.	1		
12.007	The same, the KPTЛ-10 outlet	No.	1		
12.008	Installation of the fire alarm station ТОЛ-10-С	No.	1		
12.009	The same, accumulator battery 10米H-60N	No.	1		
12.010	The same, loud ringing bell M3-1	No.	1		
12.011	Installation of heat transmitter K∏105-2/1				
	of the informant	No.	11		
12.012	Installation of power supply block $\overline{\text{b}}\Pi$ -24/4 for the station	No.	1		
13	<u>Water supply/sewerage/heating</u> <u>Water supply</u> Heating, ventilation				
13.001	Electrical panel radiator	No.	3	*	
	Axial ventilator B06-300	No.	1		
	Air pipeline d=200 mm from galvinized steel,			· · · · · · · · · · · · · · · · · · ·	
	thickness 0,5 mm - 5 m	m2	3.2		
13.004	The same, diameter 160mm	-m2	3.5		
	Control linear air terminal device, P150	No.	7		
13.006	A cowl for air pipelines, d=200 mm	No.	1		
	Water supply			· · · · · · · · · · · · · · · · · · ·	
	Laying of galvanised pipes with d=15	m	2		
	The same, diameter 59x3 mm	m	5		
	Valves 30ч66ь2, d=50 mm	No.	1		
	Cost of globe valve 1548p2 d=15 mm	No.	1		
13.011	Water tap	No.	1		
40.045	Sewerage				
	Laying of c st-iron pipes with d=50 mm	m	1		
13.013	Laying of cast-iron pipes with d=100 mm	m	5	<u> </u>	
	Total (Carry to summary Bill no. 10)				

BILL No.: 10. - Electric Workshop

Item No	Description	Unit	Quantity	Unit price in USD	Total price in USD
	Carried over				
11.007	Covering of floors with concrete B12.5 by			-	
	thikness 3 cm	m2	57		
	Wooden floors by 37mm thickness with				
11.008	installation of floor batten	m2	14.4		
12	Electrical installations/controls				
	Electric lighting				
12.001	Group lighting meter-board УОЩВ-12АУХЛ4	No.	1		
12.002	Lighting fittings with luminiscent lamps and				
	starters, type YC∏5-4x40 ceiling	set	8		
12.003	Lighting fitting with glow lamps H∏-001	No.	4		
12.004	The same, for walls H5-005-100	No.	3		
	Phone Communication and				
	fire alarm system				
12.005	Laying of wire TPЛ-2x0.4 mm2	m	15		
12.006	Installation of the PTШ distribution box	No.	1		
12.007	The same, the КРТЛ-10 outlet	No.	1		
12.008	Installation of the fire alarm station ТОЛ-10-С	No.	1		
12.009	The same, accumulator battery 10米H-60N	No.	1		
12.010	The same, loud ringing bell M3-1	No.	1		
12.011	Installation of heat transmitter K∏105-2/1				
	of the informant	No.	11		
12.012	Installation of power supply block БП-24/4 for the station	No.	1		
13	Water supply/sewerage/heating				
	<u>Water supply</u>				
	Heating, ventilation				
13.001	Electrical panel radiator	No.	3		
	Axial ventilator B06-300	No.	1		
13.003	Air pipeline d=200 mm from galvinized steel,				
	thickness 0,5 mm - 5 m	m2	3.2		
	The same, diameter 160mm	⊱m2	3.5		
	Control linear air terminal device, P150	No.	7		
13.006	A cowl for air pipelines, d=200 mm	No.	1		
l	Water supply				
13.007	Laying of galvanised pipes with d=15	m	2		
13.008	The same, diameter 59x3 mm	m	5		
13.009	Valves 30ч66p2, d=50 mm	No.	1		
13.01	Cost of globe valve 1548p2 d=15 mm	No.	1		
13.011	Water tap	No.	1		
	Sewerage				
	Laying of cast-iron pipes with d=50 mm	m	1		
13.013	Laying of cast-iron pipes with d=100 mm	m	5		
	Total (Carry to summary Bill no. 10)		<u> </u>		

BILL No.: 10. - Electric Workshop

ltem No	Description	Unit	Quantity	Unit price	Total price
				in USD	in USD
03	<u>Earthworks</u>				
03.001	Excavation of soil for foundation to depot on site	m3	180		
03.002*	Transportation of soil to approved dump	m3	180		
03.003	Backfilling of sand from depot	m3	780		
	Levelling and compaction of sand in layers of 20				
03.004	cm	m3	180		
03.005	Gravel layer under strip foundations,	1			
	thickness 10 cm	m3	3.6		
03.006	Compaction of the soil with gravel under floors	m2	71		
05	Pile works				
05.001	Delivery of RC-piles, 30 x 30 cm, 15 m long	No.	14		
05.002	Driving of 15 m long RC piles with sec. of	1.0.	1 '.		
	30x30cm	l m	210		
	Preparation (cutting etc.) of RC-piles after	1			•
05.003	installation	No.	14		
06	Concrete works				
06.001	Reinforcing of in-situ RC structures	kg	1,545		
06.002	Concrete blinding with thickness of 10 cm				
	under foundations of concrete B-7.5	m3	3.2		
06.003	RC strip foundations of concrete B-15	m3	11.7		
06.004	Molithic RC posts of concrete B-15	m3	1.5		
06.005	Monolithic RC beams from concrete B-15	m3	1		-
	Monolithic RC lintel of concrete B-15	m3	0.8		
	Monolithic RC belt of concrete B-15	m3	1.8		
	Monolithic RC parts of floors from concrete B-15	m3	4.7		
06.009	Installation of pre-fabricated RC hollow slabs for				
	floors 1∏K59.12-8⊤C9	No.	8		
06.010	8 cm thick concrete blinding of concrete B7.5				
	under floors	m3	4.7		
06.011	Concrete blinding under floors of platforms and	غور			
	steps from concrete B-7.5	m3	1.2		
06.012	Installation of concrete steps	m	13.6		
06.013	Dlinding of overanded also assessed to				
00.013	Blinding of expanded clay concrete, for roof				
	thikness 60-120 mm	m3	76		
	Subtotal (Carry to next page)				

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