

**Extension and modernisation of
the zones of the Chişinău
International Airport Terminal
complex with the adjacent
territory, located in Chişinău
municipality, Botanica district,
80/3 Dacia Blvd N16125/2025 -
1/1 - C**

Form No. 1B

(project name)

WinCmeta

Detailed Estimate No. 2-1-1

Phase 1 Stage 1

Structural solutions (vol. C)

(description of works)

No. of unit	Norms reference and resource codes	Description of works	u.o.m.	Quantity according to the project
1	2	3	4	5
		1. Frame elements along the axes E12 - E16 * EB - EE		
1	CL08A	Prefabricated metal components (columns, beams, etc.), delivered fully assembled and installed on-site as part of a light-frame structure	t	16.188
	7214210026800	Structural steel erector	man-hours	651.567
	9310060019920	Service worker (construction works)	man-hours	93.081
	2811106301200	Metal components	kg	16,511.76
	2775276309886	Embedded metal structures (cast in concrete)	kg	32.376
	2873155901340	Welding electrode for low-alloy steel S 1125/2 E 50B 4	kg	7.285
	2874115842700	Hex nut M20	pcs	105.222
	2874115802500	Hex head bolt M20	pcs	105.222
	2874115883700	Washer M20	pcs	105.222
	2413547308164	Technical calcium carbide, S102	kg	1.052
	2411115904512	Technical oxygen gas, S2031	m3	1.619
	4011106202741	Electrical energy	kW	7.285
	3410520006728	Pneumatic (rubber-tyred) crane, up to 9.9 tf, with lattice boom	machine-hours	2.792
2	IzD10A	Anticorrosion painting of metal structures and fabrications by hand (brush application), consisting of one coat of red lead primer and two coats of chlorinated rubber enamel.	t	16.188

1	2	3	4	5
	7141020013400	Industrial painter	man-hours	119.888
	2430116100000	Chlorinated rubber enamel	kg	126.266
	2430226100814	Red lead primer G 355-6	kg	63.133
	2430226109420	Thinner for anticorrosive coatings D.006-1 NI 1708-61 A1	kg	8.903
	2320166200676	White spirit	kg	31.567
	1711317306661	Cleaning cotton cloth	kg	15.783
3	CK35B	Anchor bolt HILTI HAS-E M20*170/48	pcs	30.00
	7422010060100	Joiner	man-hours	6.90
	2874136313300 1	Anchor bolt HILTI HAS-E M20*170/48	pcs	30.00
4	CK35B	Anchor bolt HAS-E M16*125/38	pcs	17.00
	7422010060100	Joiner	man-hours	3.91
	2874136313300 2	Anchor bolt HAS-E M16*125/38	pcs	17.00
Total Frame elements along the axes E12 - E16 * EB - EE				
		2. Floor at elev. 3.530		
5	RCsB04D	Ready-mix concrete from batching plants, placed by conventional methods in structural elements (beams, ribs, slabs, landings, stairs, retaining walls, reinforced concrete pedestals, floor slabs, shear walls, stair ramps, etc.) in existing buildings / C20/25 (M350)	m3	18.00
	7123010010200	Concrete worker	man-hours	90.666
	9310060019920	Service worker (construction works)	man-hours	49.887
	2663102100000 25	Concrete C20/25	m3	18.819
	4100116202818	Water for mortars and concrete	m3	2.203
	2952270003101	Concrete vibrator	machine-hours	12.42
	3410520001373	Mobile crane 5 tf	machine-hours	3.105
6	RCsD01D	OB37 reinforcing steel, up to 8 mm diameter, fabricated in site workshops for foundations and raft foundations, and installed in existing structures. Fabrication and placing of reinforcement in flat slabs, columns, beams, etc.	kg	83.70
	7123020011140	Steel fixer	man-hours	7.70

1	2	3	4	5
	9310060019920	Service worker (construction works)	man-hours	2.888
	2710602000030	Plain rebar OB 37 STAS 438 d = 6 mm	kg	85.792
	2746133803142	Soft annealed wire, d= 1.25 mm	kg	0.837
	2010237318750	Spacers	pcs	12.555
	2952270004203	Electric rebar cutting machine, for diameters up to 40 mm	machine-hours	0.27
	2940340004205	Rebar bending machine	machine-hours	0.337
	2922140006703	Light window crane, capacity 0.0015 MN (0.15 tf)	machine-hours	3.369
	2952270006612	Winch for reinforced concrete	machine-hours	0.241
7	RCsD02D 1	OB37 reinforcing steel with diameter exceeding 8 mm, fabricated in site workshops for foundations and raft foundations, and installed in existing structures. Fabrication and placing of reinforcement in flat slabs, columns, beams, etc.	kg	2,356.00
	7123020011140	Steel fixer	man-hours	233.008
	9310060019920	Service worker (construction works)	man-hours	81.282
	2710602000038	Plain rebar PC 52, diameter above 8 mm	kg	2,414.90
	2746133803142	Soft annealed wire, d= 1.25 mm	kg	23.56
	2010237318750	Spacers	pcs	353.40
	2922140006703	Light window crane, capacity 0.0015 MN (0.15 tf)	machine-hours	94.829
8	CB03E	Formwork made of reusable panels with 15 mm plywood for casting concrete in slabs and beams in structures up to 20 m in height inclusive, excluding supports	m2	180.00
	9310060019920	Service worker (construction works)	man-hours	31.05
	7124010010700	Carpenter	man-hours	175.95
	2874125881241	Standard washers M 10	kg	0.90
	2874115841033	Standard square nuts M 10	pcs	54.00
	2874115825003	Standard square bolts M 10 x 140 mm	pcs	54.00
	2875276311528	Steel staples for construction	kg	5.40
	2873145887000	Nails with conical head, type A, for construction	kg	5.40
	2030122928385	Formwork panel with 15 mm plywood	m2	23.40
	2010102904340	Softwood planks	m3	0.18
	2010102903495	Softwood boards	m3	0.18
	2320187315789	Formwork release agent	kg	21.60
	3410520006752	Mobile crane 6 - 10 tf	machine-hours	4.14
9	CB11A	Supports with adjustable steel props, used for installing precast slabs and precast floor panels, for casting partially or fully monolithic floors with beams, or for monolithic beams with precast floor	pcs	360.00

1	2	3	4	5
		panels of the PE 3100 R type		
	7124010010700 1	Carpenter	man-hours	124.20
	9310060019920	Service worker (construction works)	man-hours	62.10
	2811236310185	Adjustable steel props PE 3100 R	kg	144.00
	2010102904340	Softwood planks	m3	0.18
	2922140007000	Crane	machine-hours	4.14
10	CC13A	Electric welding of reinforcing steel at a welding bench for monolithic reinforced concrete, executed by lap splicing, for bars with diameter 8–16 mm	pcs	351.00
	7212030022700	Welder	man-hours	100.912
	2873155900800	Welding rods	kg	52.65
	4011106202741	Electrical energy	kW	87.75
Total Floor at elev. 3.530				
		3. Removal of the existing transfer staircase in the E15–E16 * EB–EA axes		
11	RCsB22A	Cutting reinforced concrete slabs or elements up to 15 cm thick	m	2.40
	7123010010200	Concrete worker	man-hours	3.312
	7212030022700	Welder	man-hours	0.828
	2881116002700	Grinding disc	pcs	0.302
	4011106202741	Electrical energy	kW	2.016
	2735725900970	Welding rods, d= 3.25 mm	kg	0.378
	2410520006751	Mobile crane, 4.5 - 9.9 TF;	machine-hours	3.312
	3110500002401	Welding machine, 28–35 kW	machine-hours	0.828
12	RCsB28G	Demolition of old concrete structures using mechanical means, reinforced concrete (platform and steps made of reinforced concrete)	m3	2.90
	7123010010200	Concrete worker	man-hours	13.34
	9310060019920	Service worker (construction works)	man-hours	6.837
	4100116202818	Water for mortars and concrete	m3	0.145
	2912340002509	Mobile low-pressure air compressor, capacity 4.0–5.9 m ³ /min	machine-hours	1.167
	2952270003380	Jackhammer 8-15 kg	machine-hours	1.167
	2922140006703	Light window crane, capacity 0.0015 MN (0.15 tf)	machine-hours	0.667

1	2	3	4	5
13	RCsP45B	Dismantling of straight staircases (metal stringers)	kg	1,162.80
	7214240021800	Mechanic fitter	man-hours	66.861
	9310060019922	Service worker	man-hours	40.117
	2413547308164	Technical calcium carbide, S102	kg	0.93
	2411115904512	Technical oxygen gas, S2031	m3	1.163
	2922140006702	Window crane	machine-hours	2.674
	3110500002401	Welding machine, 28–35 kW	machine-hours	6.686
14	TrI1AA02 C2	Loading of materials into vehicles, category 2	t	7.50
	9310060019900	Unskilled labor	man-hours	3.881
15	TsI51A10	Haulage of construction waste by 10 t dump truck over a distance of 10 km	t	7.50
	3410540000007	Dump truck - 10t	machine-hours	0.492
Total Removal of the existing transfer staircase in the axes E15- E16 * EB - EA				
4. Interior Staircase SC-1				
4.1. Metal Frame CM-1				
16	CL18A	Miscellaneous metal fabrications from rolled sections, sheet steel, chequered plates, reinforcing steel and pipes used for supports or coverings, fully or partially embedded in concrete.	kg	261.50
	7214240021810	Structural Steel Fitter	man-hours	57.138
	9310060019920	Service worker (construction works)	man-hours	3.007
	7212030022700	Welder	man-hours	3.007
	2734113803207	Black annealed wire d= 2 mm	kg	2.615
	2775276309886	Embedded metal structures (cast in concrete)	kg	261.50
	2873155901200	Welding rods	kg	1.308
	4011106202741	Electrical energy	kW	2.092
	1010126200341	Blacksmith coal	kg	3.922
17	IzD10A	Anticorrosion painting of metal structures and fabrications by hand (brush application), consisting of one coat of red lead primer and two coats of chlorinated	t	0.262

1	2	3	4	5
		rubber enamel.		
	7141020013400	Industrial painter	man-hours	1.94
	2430116100000	Chlorinated rubber enamel	kg	2.044
	2430226100814	Red lead primer G 355-6	kg	1.022
	2430226109420	Thinner for anticorrosive coatings D.006-1 NI 1708-61 A1	kg	0.144
	2320166200676	White spirit	kg	0.511
	1711317306661	Cleaning cotton cloth	kg	0.255
18	CL31A	Fire protection of steel structures with "Pirex-Metal Plus" fireproof coating. Note: * R90 - Fire resistance	m2	7.10
	7134050013250	Insulator	man-hours	11.839
	9310060019920	Service worker (construction works)	man-hours	1.633
	2430126104976	Fireproof paint "Pirex-Metal Plus" R 90*	kg	13.49
	2430226101026	GF 021 Anti-Corrosion Primer	kg	0.959
	1711317306661	Cleaning cotton cloth	kg	0.362
	2320166200676	White spirit	kg	1.065
	2681126001472	Dry sandpaper, 23x30 gr 6	pcs	3.55
Total Metal frame CM-1				
4.2. Metal stringer GRM-1				
19	CL08A	Prefabricated metal components (columns, beams, etc.), delivered fully assembled and installed on-site as part of a light-frame structure	t	0.964
	7214210026800	Structural steel erector	man-hours	38.801
	9310060019920	Service worker (construction works)	man-hours	5.543
	2811106301200	Metal components	kg	983.28
	2775276309886	Embedded metal structures (cast in concrete)	kg	1.928
	2873155901340	Welding electrode for low-alloy steel S 1125/2 E 50B 4	kg	0.434
	2874115842700	Hex nut M20	pcs	6.266
	2874115802500	Hex head bolt M20	pcs	6.266
	2874115883700	Washer M20	pcs	6.266
	2413547308164	Technical calcium carbide, S102	kg	0.063
	2411115904512	Technical oxygen gas, S2031	m3	0.096
	4011106202741	Electrical energy	kW	0.434
	3410520006728	Pneumatic (rubber-tyred) crane, up to 9.9 tf, with lattice boom	machine-hours	0.166
20	IzD10A	Anticorrosion painting of metal structures and fabrications by hand (brush application), consisting of one coat of red lead primer and two coats of chlorinated rubber enamel.	t	0.964

1	2	3	4	5
	7141020013400	Industrial painter	man-hours	7.139
	2430116100000	Chlorinated rubber enamel	kg	7.519
	2430226100814	Red lead primer G 355-6	kg	3.76
	2430226109420	Thinner for anticorrosive coatings D.006-1 NI 1708-61 A1	kg	0.53
	2320166200676	White spirit	kg	1.88
	1711317306661	Cleaning cotton cloth	kg	0.94
21	CL31A	Fire protection of steel structures with "Pirex-Metal Plus" fireproof coating. Note: * R90 - Fire resistance	m2	26.03
	7134050013250	Insulator	man-hours	43.405
	9310060019920	Service worker (construction works)	man-hours	5.987
	2430126104976	Fireproof paint "Pirex-Metal Plus" R 90*	kg	49.457
	2430226101026	GF 021 Anti-Corrosion Primer	kg	3.514
	1711317306661	Cleaning cotton cloth	kg	1.328
	2320166200676	White spirit	kg	3.905
	2681126001472	Dry sandpaper, 23x30 gr 6	pcs	13.015
Total Metal stringer GRM-1				
4.3. Monolithic steps TM-1 (22 pcs)				
22	RCsB04D	Ready-mix concrete from batching plants, placed by conventional methods in structural elements (beams, ribs, slabs, landings, stairs, retaining walls, reinforced concrete pedestals, floor slabs, shear walls, stair ramps, etc.) in existing buildings / C20/25 (M350)	m3	2.20
	7123010010200	Concrete worker	man-hours	11.081
	9310060019920	Service worker (construction works)	man-hours	6.097
	2663102100000 25	Concrete C20/25	m3	2.30
	4100116202818	Water for mortars and concrete	m3	0.269
	2952270003101	Concrete vibrator	machine-hours	1.518
	3410520001373	Mobile crane 5 tf	machine-hours	0.38
23	CB03E	Formwork made of reusable panels with 15 mm plywood for casting concrete in slabs and beams in structures up to 20 m in height inclusive, excluding supports	m2	25.00
	9310060019920	Service worker (construction works)	man-hours	4.312
	7124010010700	Carpenter	man-hours	24.437
	2874125881241	Standard washers M 10	kg	0.125

1	2	3	4	5
	2874115841033	Standard square nuts M 10	pcs	7.50
	2874115825003	Standard square bolts M 10 x 140 mm	pcs	7.50
	2875276311528	Steel staples for construction	kg	0.75
	2873145887000	Nails with conical head, type A, for construction	kg	0.75
	2030122928385	Formwork panel with 15 mm plywood	m2	3.25
	2010102904340	Softwood planks	m3	0.025
	2010102903495	Softwood boards	m3	0.025
	2320187315789	Formwork release agent	kg	3.00
	3410520006752	Mobile crane 6 - 10 tf	machine-hours	0.575
24	CB11A	Supports with adjustable steel props, used for installing precast slabs and precast floor panels, for casting partially or fully monolithic floors with beams, or for monolithic beams with precast floor panels of the PE 3100 R type	pcs	115.00
	7124010010700 1	Carpenter	man-hours	39.675
	9310060019920	Service worker (construction works)	man-hours	19.837
	2811236310185	Adjustable steel props PE 3100 R	kg	46.00
	2010102904340	Softwood planks	m3	0.058
	2922140007000	Crane	machine-hours	1.323
25	RCsD01D	OB37 reinforcing steel, up to 8 mm diameter, fabricated in site workshops for foundations and raft foundations, and installed in existing structures. Fabrication and placing of reinforcement in flat slabs, columns, beams, etc.	kg	70.84
	7123020011140	Steel fixer	man-hours	6.517
	9310060019920	Service worker (construction works)	man-hours	2.444
	2710602000030	Plain rebar OB 37 STAS 438 d = 6 mm	kg	72.611
	2746133803142	Soft annealed wire, d= 1.25 mm	kg	0.708
	2010237318750	Spacers	pcs	10.626
	2952270004203	Electric rebar cutting machine, for diameters up to 40 mm	machine-hours	0.228
	2940340004205	Rebar bending machine	machine-hours	0.285
	2922140006703	Light window crane, capacity 0.0015 MN (0.15 tf)	machine-hours	2.851
	2952270006612	Winch for reinforced concrete	machine-hours	0.204
26	RCsD02D 1	OB37 reinforcing steel with diameter exceeding 8 mm, fabricated in site workshops for foundations and raft foundations, and installed in existing structures. Fabrication and placing of reinforcement in flat slabs, columns, beams, etc.	kg	260.26

1	2	3	4	5
	7123020011140	Steel fixer	man-hours	25.74
	9310060019920	Service worker (construction works)	man-hours	8.979
	2710602000038	Iain rebar PC 52, diameter above 8 mm	kg	266.766
	2746133803142	Soft annealed wire, d= 1.25 mm	kg	2.603
	2010237318750	Spacers	pcs	39.039
	2922140006703	Light window crane, capacity 0.0015 MN (0.15 tf)	machine-hours	10.475
27	CL57A	Installation and fixing of parts embedded in monolithic reinforced concrete, with weight under 4 kg (embedded part M-1)	kg	108.90
	7136080025001	Mounter	man-hours	26.299
	2811236309900	Metal fabrications	kg	114.389
	2412126100010	Red lead	kg	2.20
	2873155900311	Electrodes E-42A, 4 mm	kg	1.10
	3110500002401	Welding machine, 28–35 kW	machine-hours	10.019
	2922140006702	Window crane	machine-hours	1.252
28	IzD10A	Anticorrosion painting of metal structures and fabrications by hand (brush application), consisting of one coat of red lead primer and two coats of chlorinated rubber enamel.	t	0.109
	7141020013400	Industrial painter	man-hours	0.807
	2430116100000	Chlorinated rubber enamel	kg	0.85
	2430226100814	Red lead primer G 355-6	kg	0.425
	2430226109420	Thinner for anticorrosive coatings D.006-1 NI 1708-61 A1	kg	0.06
	2320166200676	White spirit	kg	0.213
	1711317306661	Cleaning cotton cloth	kg	0.106
Total Monolithic steps TM-1 (22 pcs)				
4.4. Monolithic landing PM-1				
29	RCsB04D	Ready-mix concrete from batching plants, placed by conventional methods in structural elements (beams, ribs, slabs, landings, stairs, retaining walls, reinforced concrete pedestals, floor slabs, shear walls, stair ramps, etc.) in existing buildings / C20/25 (M350)	m3	0.70
	7123010010200	Concrete worker	man-hours	3.526
	9310060019920	Service worker (construction works)	man-hours	1.94

1	2	3	4	5
	2663102100000 25	Concrete C20/25	m3	0.732
	4100116202818	Water for mortars and concrete	m3	0.086
	2952270003101	Concrete vibrator	machine- hours	0.483
	3410520001373	Mobile crane 5 tf	machine- hours	0.121
30	CB03E	Formwork made of reusable panels with 15 mm plywood for casting concrete in slabs and beams in structures up to 20 m in height inclusive, excluding supports	m2	5.30
	9310060019920	Service worker (construction works)	man- hours	0.914
	7124010010700	Carpenter	man- hours	5.181
	2874125881241	Standard washers M 10	kg	0.026
	2874115841033	Standard square nuts M 10	pcs	1.59
	2874115825003	Standard square bolts M 10 x 140 mm	pcs	1.59
	2875276311528	Steel staples for construction	kg	0.159
	2873145887000	Nails with conical head, type A, for construction	kg	0.159
	2030122928385	Formwork panel with 15 mm plywood	m2	0.689
	2010102904340	Softwood planks	m3	0.005
	2010102903495	Softwood boards	m3	0.005
	2320187315789	Formwork release agent	kg	0.636
	3410520006752	Mobile crane 6 - 10 tf	machine- hours	0.122
31	RCsD01D	OB37 reinforcing steel, up to 8 mm diameter, fabricated in site workshops for foundations and raft foundations, and installed in existing structures. Fabrication and placing of reinforcement in flat slabs, columns, beams, etc.	kg	13.77
	7123020011140	Steel fixer	man- hours	1.267
	9310060019920	Service worker (construction works)	man- hours	0.475
	2710602000030	Plain rebar OB 37 STAS 438 d = 6 mm	kg	14.114
	2746133803142	Soft annealed wire, d= 1.25 mm	kg	0.138
	2010237318750	Spacers	pcs	2.065
	2952270004203	Electric rebar cutting machine, for diameters up to 40 mm	machine- hours	0.044
	2940340004205	Rebar bending machine	machine- hours	0.055
	2922140006703	Light window crane, capacity 0.0015 MN (0.15 tf)	machine- hours	0.554
	2952270006612	Winch for reinforced concrete	machine- hours	0.04
32	RCsD02D 1	OB37 reinforcing steel with diameter exceeding 8 mm, fabricated in site workshops for foundations and raft foundations, and installed in existing structures. Fabrication and placing of reinforcement in flat slabs, columns,	kg	21.70

1	2	3	4	5
		beams, etc.		
	7123020011140	Steel fixer	man-hours	2.146
	9310060019920	Service worker (construction works)	man-hours	0.749
	2710602000038	Iain rebar PC 52, diameter above 8 mm	kg	22.242
	2746133803142	Soft annealed wire, d= 1.25 mm	kg	0.217
	2010237318750	Spacers	pcs	3.255
	2922140006703	Light window crane, capacity 0.0015 MN (0.15 tf)	machine-hours	0.873
Total Monolithic landing PM-1				
		4.5. Monolithic landing PM-2		
33	RCsB04D	Ready-mix concrete from batching plants, placed by conventional methods in structural elements (beams, ribs, slabs, landings, stairs, retaining walls, reinforced concrete pedestals, floor slabs, shear walls, stair ramps, etc.) in existing buildings / C20/25 (M350)	m3	1.10
	7123010010200	Concrete worker	man-hours	5.541
	9310060019920	Service worker (construction works)	man-hours	3.049
	2663102100000 25	Concrete C20/25	m3	1.15
	4100116202818	Water for mortars and concrete	m3	0.135
	2952270003101	Concrete vibrator	machine-hours	0.759
	3410520001373	Mobile crane 5 tf	machine-hours	0.19
34	CB03E	Formwork made of reusable panels with 15 mm plywood for casting concrete in slabs and beams in structures up to 20 m in height inclusive, excluding supports	m2	7.50
	9310060019920	Service worker (construction works)	man-hours	1.294
	7124010010700	Carpenter	man-hours	7.331
	2874125881241	Standard washers M 10	kg	0.037
	2874115841033	Standard square nuts M 10	pcs	2.25
	2874115825003	Standard square bolts M 10 x 140 mm	pcs	2.25
	2875276311528	Steel staples for construction	kg	0.225
	2873145887000	Nails with conical head, type A, for construction	kg	0.225
	2030122928385	Formwork panel with 15 mm plywood	m2	0.975
	2010102904340	Softwood planks	m3	0.007
	2010102903495	Softwood boards	m3	0.007
	2320187315789	Formwork release agent	kg	0.90
	3410520006752	Mobile crane 6 - 10 tf	machine-hours	0.172

1	2	3	4	5
35	CB11A	Supports with adjustable steel props, used for installing precast slabs and precast floor panels, for casting partially or fully monolithic floors with beams, or for monolithic beams with precast floor panels of the PE 3100 R type	pcs	15.00
	7124010010700 1	Carpenter	man-hours	5.175
	9310060019920	Service worker (construction works)	man-hours	2.587
	2811236310185	Adjustable steel props PE 3100 R	kg	6.00
	2010102904340	Softwood planks	m3	0.007
	2922140007000	Crane	machine-hours	0.172
36	RCsD01D	OB37 reinforcing steel, up to 8 mm diameter, fabricated in site workshops for foundations and raft foundations, and installed in existing structures. Fabrication and placing of reinforcement in flat slabs, columns, beams, etc.	kg	24.62
	7123020011140	Steel fixer	man-hours	2.265
	9310060019920	Service worker (construction works)	man-hours	0.849
	2710602000030	Plain rebar OB 37 STAS 438 d = 6 mm	kg	25.235
	2746133803142	Soft annealed wire, d= 1.25 mm	kg	0.246
	2010237318750	Spacers	pcs	3.693
	2952270004203	Electric rebar cutting machine, for diameters up to 40 mm	machine-hours	0.079
	2940340004205	Rebar bending machine	machine-hours	0.099
	2922140006703	Light window crane, capacity 0.0015 MN (0.15 tf)	machine-hours	0.991
	2952270006612	Winch for reinforced concrete	machine-hours	0.071
37	RCsD02D 1	OB37 reinforcing steel with diameter exceeding 8 mm, fabricated in site workshops for foundations and raft foundations, and installed in existing structures. Fabrication and placing of reinforcement in flat slabs, columns, beams, etc.	kg	32.60
	7123020011140	Steel fixer	man-hours	3.224
	9310060019920	Service worker (construction works)	man-hours	1.125
	2710602000038	Plain rebar PC 52, diameter above 8 mm	kg	33.415
	2746133803142	Soft annealed wire, d= 1.25 mm	kg	0.326
	2010237318750	Spacers	pcs	4.89
	2922140006703	Light window crane, capacity 0.0015 MN (0.15 tf)	machine-hours	1.312

1	2	3	4	5
38	CL31A	Fire protection of steel structures with "Pirex-Metal Plus" fireproof coating. Note: * R90 - Fire resistance	m2	7.10
	7134050013250	Insulator	man-hours	11.839
	9310060019920	Service worker (construction works)	man-hours	1.633
	2430126104976	Fireproof paint "Pirex-Metal Plus" R 90*	kg	13.49
	2430226101026	GF 021 Anti-Corrosion Primer	kg	0.959
	1711317306661	Cleaning cotton cloth	kg	0.362
	2320166200676	White spirit	kg	1.065
	2681126001472	Dry sandpaper, 23x30 gr 6	pcs	3.55
Total Monolithic landing PM-2				
		4.6. Metal		
39	CL10D	Stairs, railings, walkways, landings, bracings, lattice purlins, bars and steel structures for supporting technological equipment or service platforms for large units supplied as prefabricated assemblies, installed at heights up to 35 m, with weights ranging from 0.151 to 1.500 t, assembled by welding	t	2.582
	7214210026800	Structural steel erector	man-hours	66.809
	7212030022700	Welder	man-hours	46.766
	7214070021400	Structural Steel Fitter	man-hours	13.362
	9310060019920	Service worker (construction works)	man-hours	6.681
	2811106301300	Metal structures (stairs, railings, walkways, etc.)	kg	2,582.00
	2873155901340	Welding electrode for low-alloy steel S 1125/2 E 50B 4	kg	12.91
	2874115842700	Hex nut M20	pcs	10.328
	2874115802500	Hex head bolt M20	pcs	10.328
	2874115883700	Washer M20	pcs	10.328
	2413547308164	Technical calcium carbide, S102	kg	0.904
	2411115904512	Technical oxygen gas, S2031	m3	1.291
	3110500003004	Welding inverter 14 kw	machine-hours	14.846
	3410520006728	Pneumatic (rubber-tyred) crane, up to 9.9 tf, with lattice boom	machine-hours	13.065
40	IzD10A	Anticorrosion painting of metal structures and fabrications by hand (brush application), consisting of one coat of red lead primer and two coats of chlorinated rubber enamel.	t	2.582
	7141020013400	Industrial painter	man-	19.122

1	2	3	4	5
			hours	
	2430116100000	Chlorinated rubber enamel	kg	20.14
	2430226100814	Red lead primer G 355-6	kg	10.07
	2430226109420	Thinner for anticorrosive coatings D.006-1 NI 1708-61 A1	kg	1.42
	2320166200676	White spirit	kg	5.035
	1711317306661	Cleaning cotton cloth	kg	2.517
41	CL31A	Fire protection of steel structures with "Pirex-Metal Plus" fireproof coating. Note: * R90 - Fire resistance	m2	69.70
	7134050013250	Insulator	man- hours	116.225
	9310060019920	Service worker (construction works)	man- hours	16.031
	2430126104976	Fireproof paint "Pirex-Metal Plus" R 90*	kg	132.43
	2430226101026	GF 021 Anti-Corrosion Primer	kg	9.41
	1711317306661	Cleaning cotton cloth	kg	3.555
	2320166200676	White spirit	kg	10.455
	2681126001472	Dry sandpaper, 23x30 gr 6	pcs	34.85
Total Metal				
Total Interior stairs SC-1				
Total				
Social fund				
Total				
Transportation of materials				
Storage costs				
Direct costs				
Overheads				
Total				
Estimated profit				
Total				

**Total estimate:
Including labor cost**