

FUEL STORAGE DEPOT

Table of Cost Estimates For Equipment & Installation

Unit: RMB Yuan Page 1

Shanghai Pudong International Airport Project Fuel Supply System

Item No.	Target Number	Title of equipment material or fee	unit amount	Weight(t)		Price				Total cost							
				unit weight	Total weight	Installation engineering	Including/in installation engineering		Purchase of equipment	Installation engineering	Including/in installation engineering						
							Main material	Construction			Main material	Construction					
Fuel storage depot																	
Section-1 Depot area pipeline																	
1		Process pipeline															
1-1	3-2004	X52 Seamed pipe Dg300	m	318	0.055	17.49	6,279	5,644	635	200	109,820	98,714	11106	3,498			
1-2	3-2004	X240 Seamed pipe Dg250	m	22	0.046	1.01	6,963	6,328	635	200	7,047	6,404	643	202			
1-3	3-2004	X240 Seamed pipe Dg200	m	200	0.035	7.00	6,424	5,789	635	200	44,968	40,523	4445	1,400			
1-4	3-2004	X240 Seamed pipe Dg150	m	197	0.019	3.74	6,312	5,677	635	200	23,626	21,249	2377	749			
1-5	3-2004	20" Seamless steel pipe Dg100	m	54	0.010	0.54	6,312	5,677	635	200	3,408	3,066	343	108			
1-10	3-2004	20" Seamless steel pipe Dg80	m	135	0.009	1.22	6,312	5,677	635	200	7,649	6,898	772	243			
1-11	3-2004	20" Seamless steel pipe Dg50	m	140	0.003	0.42	7,639	7,004	635	200	3,208	2,942	267	84			
1-12	3-2004	20" Seamless steel pipe Dg40	m	68	0.002	0.14	7,639	7,004	635	200	1,039	953	86	27			
1-13	3-2004	S240 Spiral welded pipe Dg750	m	283	0.185	52.36	7,639	7,004	635	200	399,940	366,694	33245	10,471			
1-14	3-2004	S240 Spiral welded pipe Dg600	m	250	0.155	38.75	7,639	7,004	635	200	296,011	271,405	24606	7,750			
1-15	3-2004	S240 Spiral welded pipe Dg500	m	735	0.128	94.08	7,639	7,004	635	200	718,677	658,936	59741	18,816			
		Sub-total															

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Shanghai Pudong International Airport Project Fuel Supply System Unit: RMB Yuan Page 2

Item No.	Target Number	Title of equipment material or fee	unit amount	Weight(t)		Price				Total cost											
				unit weight	Total weight	Purchase of equipment	Installation engineering	Main material	Construction	Labor fee in construction	Installation engineering	Main material	Construction	Labor fee in construction							
Section-2 Fuel storage tank area																					
1		Process pipeline																			
1-1	3-2005	X42 seamcd pipe Dg200	m	231	0.035	8.09				7,983	7,248	735	210		64,543	58,600	5,942	1,698			
1-2	3-2005	X42 seamcd pipe Dg150	m	11	0.019	0.21				7,983	7,248	735	210		1,668	1,515	154	44			
1-3	3-2005	20" Seamless steel pipe Dg100	m	153	0.010	1.53				8,416	7,681	735	210		12,876	11,752	1,125	321			
1-4	3-2005	20" Seamless steel pipe Dg80	m	220	0.009	2.07				8,416	7,681	735	210		17,421	15,900	1,521	435			
1-5	3-2005	20" Seamless steel pipe Dg50	m	50	0.005	0.25				8,416	7,681	735	210		2,104	1,920	184	53			
1-6	3-2005	20" Seamless steel pipe Dg25	m	22	0.005	0.11				8,416	7,681	735	210		926	845	81	23			
1-7	3-2005	20" Seamless steel pipe Dg15	m	60	0.003	0.18				8,416	7,681	735	210		1,515	1,383	132	38			
Sub-total																		101,053	91,914	9,139	2,611
2		Valve																			
2-1	2-1044	Gate valve Pg16 Dg500	set	18					35,000	170		170	50		630,000	3,060	3,060	900			
2-2	2-1045	Gate valve Pg16 Dg200	set	4					9,220	170		170	50		36,880	680	680	200			
2-3	3-4003	Gate valve Pg16 Dg150	set	3					5,540	16		16	5		16,620	48	48	15			
2-4	3-4003	Check valve Pg16 Dy40	set	7					992	16		16	5		6,944	112	112	35			
2-5	3-4003	Gate valve Pg16 Dg100	set	16					1,629	16		16	5		26,064	256	256	80			
2-6	3-4004	Gate valve Pg16 Dg80	set	10					1,450	16		16	5		14,500	160	160	50			

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Table of Cost Estimates For Equipment & Installation

Shanghai Pudong International Airport Project Fuel Supply System Unit: RMB Yuan Page 4

Item No.	Target Number	Title of equipment material or fee	unit amount	Weight(t)		Price				Total cost						
				unit weight	Total weight	Purchase of equipment	Installation engineering	Including(in installation engineering)		Installation engineering	Including(in installation engineering)					
								Main material	Construction		Main material	Construction				
4-3	4-1129	Tank roof joint pipe Dg250	set	12					212	180	32	7	2,544	2,160	384	84
4-4	4-1131	Tank roof joint pipe Dg150	set	8					124	107	17	5	992	856	136	40
4-5	4-1132	Tank roof joint pipe Dg100	set	2					76	63	13	4	152	126	26	8
4-6	4-3040	Tank wall joint pipe Dg500	set	18					450	404	46	12	8,100	7,272	828	216
4-7	4-1137	Tank wall joint pipe Dg200	set	20					290	259	31	9	5,800	5,180	620	180
4-8	4-1136	Tank wall joint pipe Dg150	set	2					154	130	24	7	308	260	48	14
4-9	4-1135	Tank wall joint pipe Dg100	set	10					126	107	19	6	1,260	1,070	190	60
4-10	4-1139	Gauge hatch Dg150	set	8					218	210	8	2	1,744	1,680	64	16
4-11	4-1141	Breather valve GFP-Iltype Dg250	set	18					5,780	5,758	22	7	104,040	103,644	396	126
4-12	4-1144	Breather valve GFP-Iltype Dg100	set	2					2,800	2,791	9	4	5,600	5,582	18	8
4-13	4-1170	Roof manhole B type Dg500	set	20					770	728	42	6	15,400	14,560	840	120
4-14	4-1189	Flame arrester ZGB-Iltype Dg250	set	18					16		16	5	288	0	288	90
4-15	4-1189	Flame arrester ZGB-Iltype Dg100	set	2					16		16	5	32	0	32	10
4-16	1-1091	FX type float section Dg500	set	12					500		500	150	6,000	0	6,000	1,800
4-17	3-5037	Expansion Joint Dg500	set	18					152		152	30	2,736	0	2,736	540
4-18	3-5033	Flexible hose Dg100	set	8					57		57	13	456	0	456	104
		Sub-total											186,852	172,590	14,262	3,624

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Item No.	Target Number	Title of equipment material or fee	unit amount	Weight(t)		Price				Total cost								
				unit weight	Total weight	Purchase of equipment	Installation engineering	Including (in installation engineering)		Installation engineering	Including (in installation engineering)							
								Main material	Construc- tion		Labor fee in construction	Main material	Construc- tion	Labor fee in construction				
		Section-2 total						2,781,832	13,708,275			12,542,264	1,166,010	291,523				
		Section-3 Fuel pumps shed																
1		Process pipeline																
1-1	3-2006	X42 Seamed pipe Dg350	m	10	0.064	0.640			14,267			12,532	1,735	500	9,131	8,020	1,110	320
1-2		X42 Seamed pipe Dg300	m	62	0.055	3.410			16,167			14,432	1,735	500	55,129	49,213	5,916	1,705
1-3	3-2006	X42 Seamed pipe Dg250	m	33	0.046	1.518			14,951			13,216	1,735	500	22,696	20,062	2,634	759
1-4		X42 Seamed pipe Dg200	m	319	0.032	10.208			16,507			14,772	1,735	500	168,503	150,793	17,711	5,104
1-5	3-2006	X42 Seamed pipe Dg150	m	200	0.019	3.800			14,412			12,677	1,735	500	54,766	48,173	6,593	1,900
1-6	3-2006	20" Seamless steel pipe Dg100	m	53	0.010	0.53			14,300			12,565	1,735	500	7,579	6,659	920	265
1-7	3-2006	20" Seamless steel pipe Dg80	m	119	0.005	0.60			14,300			12,565	1,735	500	8,509	7,476	1,032	298
1-8	3-2006	20" Seamless steel pipe Dg25	m	80	0.002	0.16			14,300			12,565	1,735	500	2,288	2,010	278	80
1-9	3-2006	20" Seamless steel pipe Dg15	m	60	0.001	0.06			14,300			12,565	1,735	500	858	754	104	30
		Sub-total												329,459	293,161	36,298	10,461	

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Table of Cost Estimates For Equipment & Installation

Shanghai Pudong International Airport Project Fuel Supply System

Unit: RMB Yuan

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Item No.	Target Number	Title of equipment material or fee	unit amount	Weight(t)		Price				Total cost					
				unit weight	Total weight	Purchase of equipment	Installation engineering	Including (in installation engineering)		Installation engineering	Main material	Including (in installation engineering)			
								Main material	Construc- tion			Labor fee in construction	Construc- tion	Labor fee in construction	
3-12	3-4003	Globe valve Pg16 Dg100	set	4		8,300	16	16	5	33,200	64		64		20
3-13	3-4003	Ball valve Pg16 Dg25	set	35		3,780	16	16	5	132,300	560		560		175
3-14	3-4003	Needle valve Pg16 Dg15	set	36		206	16	16	5	7,416	576		576		180
3-15	3-4003	Gate valve Pg16 Dg100	set	7		1,529	16	16	5	10,703	112		112		35
		Sub-total								1,525,118	16,762	0	16,762	0	4,960
4		Filter													
4-1	1-1091	Filter separator 250/LGF-360/16	set	1		476,190	1,500	1,500	450	476,190	1,500		1,500	1,500	450
4-2	1-1091	Filter separator 200/LGF-240/16	set	10		380,952	1,500	1,500	450	3,809,520	15,000		15,000	15,000	4,500
4-3	1-1091	Filter separator 150/LGF-120/16	set	2		238,095	1,500	1,500	450	476,190	3,000		3,000	3,000	900
4-4	1-1092	Filter separator 100/LGF-90/16	set	2		190,476	1,500	1,500	450	380,952	3,000		3,000	3,000	900
4-4	1-1091	Pre-filter 250PF-360	set	1		44,500	500	500	150	44,500	500		500	500	150
4-5	1-1091	Y type strainer Pg16 Dg200	set	14		700	200	200	60	9,800	2,800		2,800	2,800	840
4-6	1-1091	Y type strainer Pg16 Dg150	set	2		500	200	200	60	1,000	400		400	400	120
4-7	1-1091	Hand-stretch chain block SC2	set	1		3,000	315	315	210	3,000	315		315	315	210
4-8	1-1091	Stainless steel hopper	set	16		2,100				33,600	0		0	0	0
		Sub-total								5,234,752	26,515	0	26,515	0	8,070

FUEL STORAGE DEPOT

Table of Cost Estimates For Equipment & Installation

Unit: RMB Yuan

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Item No.	Target Number	Title of equipment material or fee	unit amount	Weight(t)		Purchase of equipment	Price			Total cost				
				unit weight	Total weight		Installation engineering	Including (in installation engineering)		Installation engineering	Main material	Labor fee in construction		
								Main material	Construction				Construction	Labor fee in construction
Section-6														
1		Cathodic protection system magnesium anode	set	45			733	550	183	46	32,985	24,750	8,235	2,070
2		Packagibentonitic day.gypsum. mirabilite	kg	3,290			13	10	3	1	42,770	32,900	9,870	3,290
3		Cable	m	600			16	12	4	1	9,600	7,200	2,400	600
4		Deactive pole	set	12		4,800	250	100	150	75	3,000	1,200	1,800	900
5		Earth resistance tester	set	1		1,500					0	0	0	0
6		Precision multimeter	set	1		800					0	0	0	0
7		Copper sulfate reference electrode	set	1		200					0	0	0	0
		Sub-total									88,355	66,050	22,305	6,860
Section-1 to Section-6 total														
											15,816,197	14,379,258	1,436,940	380,462
											25,461,966			

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Shanghai Pudong International Airport Project Fuel Supply System

Unit: RMB Yuan

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Item No.	Target Number	Title of equipment material or fee	unit amount	Weight(t)		Price				Total cost											
				unit weight	Total weight	Purchase of equipment	Installation engineering	Main material	Including(in installation engineering) Labor fee in construction	Purchase of equipment	Installation engineering	Main material	Including(in installation engineering) Labor fee in construction								
		Expenses with no adjustment																			
6		Vehicles																			
1		Passenger-cargo bus	set	6			160,000													960,000	
2		Fork lift truck	set	1			120,000													120,000	
3		213 jeep	set	1			160,000													160,000	
4		Medium passenger bus	set	3			250,000													750,000	
5		Car	set	2			280,000													580,000	
6		Coach	set	2			600,000													1,200,000	
7		Truck for pumping oil	set	1			300,000													300,000	
8		10M ³ Truck for transport oil	set	1			132,000													132,000	
		Sub-total																		4,202,000	
6		Pipe corrosion prevention																			
1		Pipe internal surface:026 four layers	m ²	4,215																	316,125
2		Under ground pipe external insurfac:	m ²	1,584																	226,512
		Fusion bonded epoxy power coating																			
3		Above ground pipe external insurfac:	m ²	1,482																	111,150
		Chlorosulfonation polyethylene four layers																			

FUEL STORAGE DEPOT

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Shanghai Pudong International Airport Project Fuel Supply System

Unit: RMB Yuan

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Item No.	Title of equipment material or fee	unit amount	Weight(t)		Price				Total cost			
			unit weight	Total weight	Purchase of equipment	Installation engineering	Including(In installation engineering)		Installation engineering	Main material	Construction	Labor fee in construction
							Main material	Labor fee in construction				
1	Normal direct expense					25,461,966	15,816,197	14,379,258	1,436,940		380,462	
2	Equipment transportation cost	0.07		Equipment cost*7%		1,782,338						
3	Adjustment fare for expense of labour	2.60		labor fee*260%			989,200			989,200	989,200	
4	Adjustment fare for minor material and machinery	1.36		(Construction-labour fee)*106%			1,436,810			1,436,810		
5	Sub-total			Installation engineering+(3)+(4)			18,242,208	14,379,258	3,862,950		1,369,662	
6	Out-of-pocket expense	0.05		(5)*5%			912,110					
7	Total			(5)+(6)			19,154,318					
8	Other direct expense	0.1684		(5) labour *16.84%			230,651					
9	Expense of labour in 8	0.0498		(5) labour *4.98%			68,209				68,209	
10	Adjustment fare for expense of labour in 8	2.60		(9)*260%			177,344				177,344	
11	Sub-Total of direct expense			(7)+(8)+(9)+(10)			19,630,522				1,615,215	
12	Combined expense	1.627		(Direct fare+Other direct fare) labour fee*162.7%			2,627,954					
13	Total			(11)+(12)			22,258,476					
14	Engineering supervision cost of quality	0.0015		(13)*0.15%			74,254					
15	Administrative management cost	0.0015		(13)*0.16%			74,254					
16	Total			(13)+(14)+(15)			22,406,984					
17	Tax and Duties	0.0341		(16)*3.41%			1,693,109					
18	Engineering cost including tax			(16)+(17)			51,344,397					
19	Expenses with no adjustment						8,251,431					
20	Equipment engineering cost of Fuel storage depot			(18)+(19)			59,595,828					
										(Include	1,239,044 US\$)	

FUEL STORAGE DEPOT

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Supply System)
Fuel Storage Depot (Plot plan)

序号	定编号	名称	单位	数量	单价	合价	人工费(元)		材料费(元)		机械费(元)		主材价差	工日
							单价	合价	单价	合价	单价	合价		
1		土方工程(土方工程)				3693709.51								
1.1		外购土方(调入土方)	立方米	69088.00	30.00	2072640.00								
1.2		机械运土2公里(运土)	吨	140153.40	9.54	1337063.44								
1.3		填土夯实(填土)	100立方米	778.63	232.75	181226.13	10.55	8214.55	0.70	545.04	221.50	172466.55		1.12
1.4		沟底清淤(沟底清淤)	100立方米	82.00	1141.79	93626.78	628.31	51521.42			513.48	42105.36		55.85
1.5		挖台阶(挖台阶)	100平方米	207.00	53.88	11153.16	53.88	11153.16						5.72
2		道路及路面(道路及路面)				1310411.15								
2.1		机械挖路槽土方50CM(%)	100立方米	70.75	176.61	12495.16	11.70	827.78			164.91	11667.38		1.04
2.2		人工挖土方12CM	10立方米	170.00	50.40	8568.00	50.40	8568.00						4.48
2.3		土方运输200M(土方运输)	100立方米	87.75	426.98	37467.50	122.63	10760.78			304.35	26706.71		10.90
2.4		土方运输增加300M(%)	100立方米	87.75	74.81	6564.58	21.44	1881.36			53.37	4683.22		1.91
2.5		整修路槽(整修路槽)	100平方米	141.50	31.66	4479.89	16.09	2276.74			15.57	2203.16		1.43
2.6		路面拉毛(路面拉毛)	100平方米	128.60	120.42	15486.01	76.51	9839.19	10.01	1287.29	33.90	4359.54		6.44
2.7		C30混凝土路面22CM(%)	100平方米	128.60	4707.70	605410.22	514.04	66105.54	3980.59	511903.87	213.07	27400.80	300005.71	43.86
2.8		2CM石屑找平层(%)	100平方米	141.50	76.79	10865.79	6.59	932.49	63.21	8944.22	7.17	1014.56		0.7
2.9		18CM水泥粉煤灰碎石	100平方米	141.50	2661.19	376588.39	138.52	19600.58	2347.48	332168.42	175.19	24789.39	62123.96	12.14
2.10		S3-2-7	100平方米	141.50	1643.22	232515.63	83.41	11802.52	1487.51	210482.67	72.30	10730.45	350335.63	0.31
3		围墙(%)	100平方米	39.00	7502.53	292598.67	1521.16	59325.24	5885.55	229596.45	95.84	3737.76		43.87
4		铁栅门(铁栅门)	平方米	60.00	167.55	10053.00	12.92	775.20	140.18	8410.80			3091.20	
5		站内绿化(站内绿化)	100平方米	290.00	4000.00	1160000.00								
6		合计(合计)				6468772.33								
7		零星工程(合计×5%)(%)				323438.62								
8		定额直接费合计(%)				6792210.95								

(*)

- *1. 站址道路宽50cm.
- *2. 土方运距按500m增加
- *3. C30 2:1:2 路面22cm.
- *4. 18cm 碎石上找平层碎石
- *5. 碎石垫层(含1%水泥)
- *6. 碎石垫层合计

Building work

上海浦东国际机场

供油工程 使用油库 土建 工程概算书

概算总值 9443859 元

设计部总工程师 夏瑞

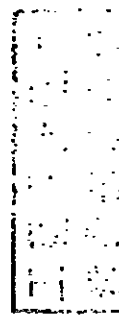
设计总负责人 朱静远

项目负责人 华余

专业负责人 华余

编制 华余

校核 朱静远



中国民航机场建设总公司
中国民航机场规划设计研究总院

一九九六年十二月

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
FUEL STORAGE DEPOT---MAIN OFFICE BUILDING (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		2,084,142
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1) X 5%	104,207
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2)) X 3.5%	76,592
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	2,264,941
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) X 12%	271,793
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	2,536,734
(7)	PROFIT	(6) X 9%	228,306
(8)	INITIAL EXPENSE	(4) X 3%	67,948
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X 2.4	44,918
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	46,790
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	641,171
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	36,507
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	20,566
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	3,622,941
(15)	OTHER EXPENSE	(4) X 0.5%+(14) X 3%	12,001
(16)	TAX AND DUTIES	((14)+(15)) X 3.41%	123,952
(17)	CONSTRUCTION COST	(14)+(15)+(16)	3,758,893

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Spot)
Office Building (Building Works)

编号	名称	工程量	单位	总价	人工费	材料费	主材费	备注
4011	抹面砂浆1cm厚C15	1,031.0800	平方米	1,511.12	12.70	1,317.83	456.55	
4016	抹面砂浆1cm厚C20	357.2200	平方米	144,008.24	254.56	143,663.01	18,320.32	
4018	抹面砂浆1cm厚C25	67.8500	平方米	131,794.14	859.64	130,228.00	126,806.80	
4020	抹面砂浆1cm厚C30	6.8800	平方米	2,013.14	13.11	1,634.79	1,194.20	
4065	抹面砂浆1cm厚C10	6.1800	平方米	1,102.14	19.14	944.59	577.89	
4068	抹面砂浆1cm厚C15	4.0200	平方米	289.24	2.76	289.24	100.38	
4010	抹面砂浆1cm厚C20	1.4100	平方米	311.14	2.76	275.79	190.03	
4064	抹面砂浆1cm厚C25	3.6600	平方米	1,198.14	21.53	890.00	527.48	
4104	抹面砂浆1cm厚C30	117.7000	平方米	25,975.14	195.29	23,430.91	2,915.01	
4009	抹面砂浆1cm厚	0.8900	平方米	1,439.14	14.39	1,244.77	862.09	
4065	抹面砂浆1cm厚C10	0.8900	平方米	1,439.14	22.79	1,115.40	781.75	
4020	抹面砂浆1cm厚C15	10.1900	平方米	1,086.14	7.20	987.81	647.58	
4068	抹面砂浆1cm厚C20	0.9200	平方米	98.14	0.91	85.25	58.04	
4291	抹面砂浆1cm厚C25	779.2000	平方米	84,091.14	224.26	80,978.85	6,825.13	
4115	抹面砂浆1cm厚C30	3.9522	平方米	4,013.14	112.67	2,709.24	1,199.02	
4325	抹面砂浆1cm厚C10	44.3800	平方米	45,211.14	261.44	40,524.28	2,746.54	
4064	抹面砂浆1cm厚C15	3.6600	平方米	5,005.14	89.97	3,760.35	2,622.40	
4073	抹面砂浆1cm厚C20	10.3900	平方米	14,194.14	115.27	12,689.47	8,209.83	
4084	抹面砂浆1cm厚C25	49.6143	平方米	13,214.14	40.00	12,764.61	252.46	
4060	抹面砂浆1cm厚C30	34.0700	平方米	46,487.14	69.05	45,643.81	1,301.49	
4111	抹面砂浆1cm厚C10	61.1600	平方米	123,797.14	1,506.29	98,443.84	48,092.18	
4262	抹面砂浆1cm厚C15	74.0600	平方米	37,860.14	632.47	26,833.41	18,399.67	
4235	抹面砂浆1cm厚C20	53.2154	平方米	34,127.14	518.35	27,539.17	1,689.41	
4266	抹面砂浆1cm厚C25	92.1500	平方米	5,861.14	94.17	4,591.92	2,736.73	
4266	抹面砂浆1cm厚C30	92.1500	平方米	4,485.14	72.06	3,513.97	2,094.29	
4273	抹面砂浆1cm厚C10	18.0500	平方米	842.14	6.94	736.65	97.01	
4239	抹面砂浆1cm厚C15	279.0600	平方米	27,542.14	512.63	20,154.63	17,235.09	
4271	抹面砂浆1cm厚C20	116.7800	平方米	5,171.14	36.54	4,691.47	1,125.66	
4283	抹面砂浆1cm厚C25	26.7900	平方米	3,587.14	45.15	3,021.01	2,115.71	
4284	抹面砂浆1cm厚C30	40.0700	平方米	3,847.14	48.43	3,238.08	2,268.49	
	小计			780,793.14	6,350.69	689,289.08	235,547.56	

门窗工程

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Stor Depot)
Office Building (Building Works)

编号	名称	工程量	单位	单价	人工数	材料费	主材差	备注
基础、打桩工程								
1003	钢筋混凝土灌注桩	129.5703	米	10.75	93.95	9648.30	0.290.92	
1007	有芯混凝土管桩(埋深1.5m以内)C20	451.2100	米	130.204	1,286.85	105,385.94	75,640.75	
1044	有芯混凝土管桩(埋深1.5m以外)C20	12.6300	米	13.00	10.63	906.84	70.48	
1165	钢筋混凝土灌注桩(埋深2.0m以内)C20	535.1900	米	2.986	30.87	2,454.52	1,491.54	
小计		1135.466		1,431.26	1,118.405	118,405.69	84,180.69	
柱梁工程								
2009	现浇钢筋混凝土柱(矩形)周长2.5m以内C20	658.8100	立米	136.294	1,286.12	105,594.11	61,710.36	
2003	现浇钢筋混凝土柱(矩形)周长1.2m以内C20	817.3900	立米	13.806	192.55	10,787.17	6,134.81	
2015	现浇钢筋混凝土柱(圆形)直径0.5m以内C20	696.9400	立米	5.380	43.74	4,698.78	2,838.44	
2020	现浇钢筋混凝土柱(圆形)直径0.30	426.1100	立米	262.403	2,675.97	216,261.61	129,450.47	
2024	现浇钢筋混凝土柱(圆形)直径0.30	652.8900	立米	4.178	49.88	3,574.08	1,983.18	
2112	构造柱(砖混)C20	570.4100	立米	32.388	292.56	27,508.77	17,576.08	
2123	无柱置并柱(圆形)C20	84.1000	立米	1,140	17.02	924.52	53.68	
2122	无柱置并柱(方形)C20	82.0700	立米	46.918	623.95	38,977.14	2,263.22	
小计		492.507		5,181.77	408,226.15	222,010.24		
墙身工程								
3027	内墙标准砖墙	1,185.8700	平米	66.231	982.33	51,917.39	30,674.54	
3038	内墙标准砖墙1砖	890.5800	平米	41.3200	36,799	28,721.21	15,290.87	
3012	内墙标准砖墙1砖	1,033.3100	平米	44.970	1,013.88	31,474.62	19,057.44	
3026	内墙标准砖墙1.5砖	97,3800	平米	3,285	57.47	2,465.66	1,389.81	
3103	内墙标准砖墙1.5砖(同层)C20	158.2200	平米	4,747	93.68	3,499.50	6,065.08	
3105	内墙标准砖墙1.5砖	9,2200	平米	212	5.19	148.35	93.91	
3117	内墙标准砖墙1.5砖	110,7000	平米	1,585	20.17	1,353.86	2,275.88	
3126	内墙标准砖墙1.5砖(同层)C20	13,0000	平米	514	4.26	465.53		
3135	内墙标准砖墙1.5砖(同层)C20	2,204,8800	平米	14,398	215.20	11,333.08	4,201.84	
3134	内墙标准砖墙1.5砖(同层)C20	323,5200	平米	1,440	28.11	1,028.79	397.22	
小计		174,181		2,961.00	132,407.99	79,452.59		
楼、地、屋面工程								
4001	平整场地	1,339,4200	平米	5,746	205.73	3,375.34	2,240.05	
4002	室内回填土(室内)外高差45cm以内	1,339,4200	平米	2,465	225.42			
4009	垫层(细石)10cm厚	1,093,0800	平米	973	9.73	841.67	582.94	

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Office Building (Building Works)

编号	名称	工程量	单位	总价	人工费	材料费	主材费	备注
5040	细砂(垫层)	173.3100	平方米	26,161	215.31	23,740.65	662.8	
5103	细白砂(垫层)	551.3200	平方米	163,714	41.40	159,630.61		
5107	混合级配碎石	94.4000	平方米	3,730	106.58	2,048.45	941.88	
5189	细白砂(垫层)	31.5000	平方米	10,255	23.31	9,957.61		
	小计			203,689	762.60	192,276.75	1,604.75	
装饰工程								
6049	花岗岩(垫层)水泥砂浆(25-45)铺置	1,356.4800	平方米	87,805	804.80	77,400.75	2,409.74	
6044	花岗岩(垫层)水泥砂浆(50-150)铺置	74.4800	平方米	20,541	294.43	16,706.18	37,048.4	
62-147	墙面铺贴饰面(水磨石无壳或基层)五并板	0.9200	平方米	61	0.53	53.95	10.06	
6148	多彩釉面墙(面)铺贴饰面	5,830.2100	平方米	65,123	429.69	58,127.19	2,647.50	
	小计			173,530	1,529.45	152,288.05	42,175.7	
耐酸、防腐、保温隔热工程								
7138	现浇水泥砂浆	546.9400	立方米	56,625	499.36	49,973.91	12,705.69	
	小计			56,625	499.36	49,973.91	12,705.69	
	小计			2,026,741	18,716.07	1,742,867.62	677,677.29	
土方机械进出场费								
	履带式电铲挖土机(履带式挖土机)	1.0000	台次	859				
	小计			859				
吊装机械进出场费								
	一类机械基价 2001~5000 平方米	1.0000	元	8,482				
	小计			8,482				
土方及泥浆外运								
	土方运费(浦东及浦西内环线外)	1,602.0000	立方米	48,060				
	小计			48,060				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
 FUEL STORAGE DEPOT--FUEL PUMPS SHED (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		283,205
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1) X 5%	14,160
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2)) X 3.5%	10,408
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	307,773
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) X 12%	36,933
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	344,706
(7)	PROFIT	(6) X 9%	31,024
(8)	INITIAL EXPENSE	(6) X 3%	9,233
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X 2.4	6,660
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	6,938
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	48,561
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	7,237
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	2,677
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	457,036
(15)	OTHER EXPENSE	(4) X 0.5%+(14) X 3%	1,525
(16)	TAX AND DUTIES	((14)+(15)) X 3.41%	15,637
(17)	CONSTRUCTION COST	(14)+(15)+(16)	474,197

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Oil Pumps Shed (Building Works)

编号	名称	工程量	单位	单价	总价	人工费	材料费	主材差	备注
基础、打桩工程									
1041	碎石垫层150mm以内C20	58.2000	平方米	42.9400	24938	308.30	17,103.22	15,015.88	
	小计				24938	308.30	17,103.22	15,015.88	
砖砌工程									
2007	240mm厚页岩实心砖1.8m以内C20	20.0000	立方米	70.6200	1412.40	23.57	17,613.10	9,895.31	
2020	240mm厚页岩实心砖C20	14.3800	立方米	61.58100	885.5	90.31	7,301.60	4,388.50	
2122	240mm厚页岩实心砖	224.0000	平方米	82.0700	18385.48	255.30	15,954.12	930.38	
2113	240mm厚页岩实心砖	29.0000	立方米	18.7700	543.33	34.10	157.75	31.61	
2114	240mm厚页岩实心砖	14.3800	立方米	21.8500	314.1	14.32	147.25	43.00	
2235	240mm厚页岩实心砖150×75其他面砖密铺	181.3000	平方米	53.2154	9648.1	146.54	7,85.04	477.62	
	小计				59,375	778.23	48,359.80	15,742.57	
墙体工程									
3116	240mm厚页岩实心砖	39.0000	立方米	10.2900	401.21	5.82	33.42	553.43	
3126	女儿墙页岩实心砖φ100	6.0000	个	39.5200	237.12	1.96	214.86		
3152	240mm厚页岩实心砖	891.6600	平方米	2.2200	1,978.48	111.12	677.28	2,901.48	
	小计				2,616	118.91	1,226.76	812.88	
楼、地、屋面工程									
4001	平整场地	891.6600	平方米	4.2900	3,825.36	136.96	2,246.98	1,491.21	
4002	室内回填土室内标高±0.45cm内	891.6600	平方米	1.8400	1,641.05	130.07			
4009	水泥砂浆找平1cm厚	891.6600	平方米	0.8900	794.58	794	686.36	473.52	
4011	水泥砂浆找平C15	891.6600	平方米	1.4800	1,320.65	111.54	1,176.99	835.31	
4071	现浇板面水泥砂浆压光面层2cm	891.6600	平方米	6.2500	5,573.19	147.48	3,709.31	2,726.55	
4129	现浇板面水泥砂浆找平3cm	936.2400	平方米	2.1300	1,994.80	75.55	1,114.13	275.66	
4252	彩色涂料天棚抹灰面	891.6600	平方米	11.5850	10,330.1	78.82	9,094.58	404.90	
4266	现浇板面C20细石混凝土	219.9000	平方米	92.1500	20,264.35	325.58	15,876.78	9,162.38	
4064	找平层水泥砂浆2cm厚	1,783.3200	平方米	3.6600	6,507.14	117.34	4,994.13	3,420.05	
4060	屋面防水三元乙丙防水卷材1mm厚	936.2400	平方米	34.0700	31,908.17	47.28	31,251.60	891.11	
4235	粘结石棉面砖150×75其他面砖密铺	293.2000	平方米	53.2154	15,603.1	236.60	12,801.00	772.41	
	小计				99,769	1,225.16	82,652.17	20,756.10	
耐酸、防腐、保温隔热工程									
7138	现浇水泥砂浆抹出	42.1300	立方米	103.5500	4,362.11	38.46	3,849.42	978.70	
	小计				4,362	38.46	3,849.42	978.70	

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Oil Pumps Shed (Building Works)

编号	名称	工程	单位	单价	合价	人工费	材料费	主材费	备注
金属构件工程									
803	钢梁及钢柱2.5吨一类机械	24.5800吨		3,202.8000	78,776	136,121	73,680.22	3,562.00	
	小计				78,776	136,121	73,680.22	3,562.00	
	合计				268,796	2,773,187	226,873.65	55,797.83	
土方机械进出场费									
	履带式电液推土机(容量3吨二机)	1,0000台次		859.0000	859				
	小计				859				
土方及泥泵外运									
	土方运费(浦东及浦西可环线外)	452.0000立方米		30.0000	13,560				
	小计				13,560				
税前补差项目									
	混凝土泵管铺设费	936.2400平方米		285.0000	266,828				
	小计				266,828				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
 FUEL STORAGE DEPOT—FIRE PUMP BUILDING (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		202,341
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1)X5%	10,117
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)-(2))X3.5%	7,436
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	219,894
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3))X12%	26,387
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	246,281
(7)	PROFIT	(6)X9%	22,165
(8)	INITIAL EXPENSE	(4)X3%	6,597
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X2.4	5,417
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X2.5	5,643
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	56,117
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	3,660
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X4.81%+ FOR PILING X17.25%	1,933
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	347,814
(15)	OTHER EXPENSE	(4)X0.5%+(14)X3%	1,153
(16)	TAX AND DUTIES	((14)+(15))X3.41%	11,900
(17)	CONSTRUCTION COST	(14)+(15)+(16)	360,867

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Fire Pumps Area (Building Works)

编号	名称	工程量	单位	单价	台数	人工数	材料费	土石方	备注
基础、打桩工程									
1003	碎石垫层每层10cm厚	211,500	平方米	130.5700	3,371	20.11	3,023.34	127.100	
1027	混凝土垫层每层15cm厚C20	37,800	平方米	431.2100	16,308	160.65	13,180.65	9,461.54	
	小计				19,679	190.30	16,203.99	11,335.63	
柱梁工程									
2020	现浇钢筋混凝土柱	17,190	立方米	615.8100	10,585	107.95	8,728.39	5,222.25	
2111	现浇钢筋混凝土梁	21,800	立方米	550.2300	12,039	112.74	10,158.88	6,375.78	
2114	现浇钢筋混凝土板	17,190	立方米	21.8500	370	17.17	170.03	51.47	
	小计				23,001	237.81	19,063.30	11,649.50	
墙身工程									
3002	标准砖外墙1砖	542,700	平方米	62.6000	30,975	604.95	25,403.19	15,336.95	
3027	内墙标准砖1砖	49,500	平方米	55.8500	2,765	40.17	2,167.11	1,280.40	
3117	铁丝不锈钢15cm	23,000	延长米	14.3200	335	4.56	286.18	43.08	
3126	女儿墙砌体出水管φ100	1,000	个	39.5200	158	1.31	143.24		
3134	钢管双排外脚手架12m内	662,400	平方米	4.4500	2,948	57.54	2,106.43	813.29	
3147	砌墙用里脚手架3.6m以上钢管	49,500	平方米	1.1900	99	3.39	10.40	10.31	
3152	钢管满堂架手架高3.61-5.80m	344,200	平方米	2.2200	764	42.92	261.61	100.10	
	小计				41,004	754.54	30,380.16	18,022.13	
楼、地、屋面工程									
4001	平整场地	344,200	平方米	4.2900	1,477	52.87	807.43	573.67	
4002	室内回填土室内外高差45cm内	344,200	平方米	1.8400	635	57.93			
4009	垫层道渣碎石1cm厚	344,200	平方米	0.8900	306	3.06	265.05	183.57	
4011	垫层砂(1cm厚)C15	344,200	平方米	1.4800	509	4.36	454.37	322.57	
4071	现浇面层水泥砂浆面层3cm	324,780	平方米	6.2500	2,036	53.72	1,351.08	994.23	
4098	块料面层同原面层水泥砂浆面层	19,400	平方米	60.3500	1,183	7.72	1,079.11	1,138.72	
4111	现浇面层有碎块板厚10cmC20	344,200	平方米	61.1600	21,052	246.34	16,753.19	9,886.14	
4129	现浇面层高3.6m每墙3m	344,200	平方米	2.1300	733	27.78	409.62	100.61	
4283	砼散水C15	81,320	平方米	26.7900	2,170	27.42	1,824.88	1,284.82	
4284	砼坡道C15	16,500	平方米	40.0700	661	8.32	556.54	389.90	
45-252	多形骨料水磨石面层	332,600	平方米	11.5850	3,854	29.41	3,392.79	1,510.5	
4064	块料面层水泥砂浆2cm厚	665,280	平方米	3.6600	2,435	40.78	1,829.52	1,275.87	
4060	屋面的细泥三元乙丙丁卷材1mm厚	332,600	平方米	34.0700	11,333	16.80	11,103.52	316.01	

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Fire Pumps Area (Building Works)

编号	名称	单位	工程量	单价	总价	人工数	材料费	主材差	备注
4502	湖相顶制埋管	米	59.400	74.000	4382.40	110	311.70	213.70	
	小计				4382.40		40,308.59	10,533.15	
门窗工程									
5103	铝合金窗	平方米	41.3000	296.9900	12267.68	38.84	11,571.33		
5040	防火门	平方米	15.6600	152.3100	2384.78	10.49	2,144.70	60.80	
5073	防火门	平方米	8.8200	35.2700	310.87	9.96	101.30	88.99	
	小计				12863.33	59.29	16,910.51	147.89	
装饰工程									
6049	乳胶漆	平方米	397.3300	64.7000	25607.09	38.06	34,083.69	1,087.50	
6148	多乐漆	平方米	538.4900	11.1700	5999.78	6.28	5,583.15	253.61	
	小计				31606.87	44.34	39,666.84	1,341.11	
耐酸、防腐、保温隔热工程									
7138	耐酸水玻璃砂浆	立方米	14.9700	103.5300	1549.40	1.50	1,367.81	347.58	
	小计				1549.40	1.50	1,367.81	347.58	
	合计				106,892	2,257.03	163,786.16	59,777.54	
土方机械进出场费									
	履带式电铲(斗容1.0000)	台次	1.0000	859.0000	859.00				
	小计				859.00				
土方及泥浆外运									
	土方运费(浦东及浦西外环线外)	立方米	153.0000	30.0000	4590.00				
	小计				4590.00				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM

FUEL STORAGE DEPOT---ELECTRICAL BUILDING AND CONTROL ROOM (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		387,183
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1)×5%	19,359
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2))×3.5%	14,229
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	420,771
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3))×12%	50,493
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	471,264
(7)	PROFIT	(6)×9%	42,414
(8)	INITIAL EXPENSE	(4)×3%	12,623
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY×2.4	10,426
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY×2.5	10,860
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	125,681
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	8,788
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING ×4.81%+ FOR PILING ×17.25%	3,580
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	685,636
(15)	OTHER EXPENSE	(4)×0.5%+(14)×3%	2,267
(16)	TAX AND DUTIES	((14)+(15))×3.41%	23,457
(17)	CONSTRUCTION COST	(14)+(15)+(16)	711,360

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Electrical Building (Building Works)

编号	名称	工程量	单位	单价	总价	人工数	材料费	主材费	备注
基础、打桩工程									
1003	砼基础标准砖无脚砼防水	35.7000	立方米	139.5700	4,985	43.52	4,609.28	2,918.22	
1041	砌块独立基础埋深1.5m以内C20	41.5800	立方米	425.6400	17,711	272.49	12,655.21	10,317.97	
1027	有梁式砼柱带型基础埋深1.5m以内C20	66.4700	立方米	431.2100	28,663	282.87	23,163.46	16,628.99	
	小计				51,257	598.88	40,287.95	29,865.18	
柱梁工程									
2007	现浇钢筋砼(矩形)周长1.8m以内C20	6.0600	立方米	702.6200	4,258	48.64	3,483.17	2,025.86	
2020	现浇钢筋砼(矩形)C30	46.7700	立方米	615.8100	28,801	293.72	23,479.94	14,208.53	
2111	构造柱(抗震)单价C20	6.7600	立方米	550.2300	3,720	34.83	3,138.67	1,969.85	
2113	超3.6m每增3m以内方柱	6.0600	立方米	18.7700	114	6.98	32.56	6.47	
2114	超3.6m每增3m以内梁	46.7700	立方米	21.8500	1,022	46.58	478.92	140.05	
	小计				37,915	430.75	30,881.00	18,350.76	
墙身工程									
3002	标准砖外墙1砖	697.2300	平方米	62.6600	43,647	777.13	32,637.34	19,702.95	
3027	内墙标准砖1砖	444.6900	平方米	55.8500	24,836	360.87	19,488.53	11,502.66	
3103	浆砌内墙标准砖压顶石同叠有门	2.0000	间	158.2300	316	6.25	233.30	404.34	
3117	铁皮水管45cm	64.0000	延长米	14.3200	916	11.66	782.72	1,315.78	
3126	女儿墙铸铁出水管φ100	8.0000	个	39.5700	316	2.62	286.48		
3134	钢管双排外脚手架高12m内	862.0200	平方米	4.4500	3,836	74.91	2,741.22	1,058.39	
3147	砌墙用型钢手架3.6m以上钢管	458.4600	平方米	1.1900	546	31.40	96.28	95.50	
3152	钢管满堂脚手架高3.61-5.80m	607.2200	平方米	2.2200	1,348	75.72	461.49	176.38	
	小计				75,761	1,340.56	56,707.36	34,256.20	
楼、地、屋面工程									
4001	平整场地	607.2200	平方米	4.2900	2,605	93.27	1,530.19	1,915.51	
4002	室内回填土室内外高差45cm内	607.2200	平方米	1.8400	1,117	102.20			
4009	垫层道渣层1cm厚	570.0000	平方米	0.8900	507	5.07	438.90	303.98	
4011	垫层砼(1cm厚)C15	388.8000	平方米	1.4800	575	4.86	513.22	364.23	
4071	整体面层水泥砂浆抗压光压实2cm	349.2000	平方米	6.2500	2,183	57.76	1,452.67	1,068.97	
4098	找平层厚100mm地铺水泥砂浆层	220.8000	平方米	60.8500	13,436	87.64	12,256.61	12,933.60	
4020块	地面防潮层湖清卷材1毡2油	12.6000	平方米	6.8800	87	0.56	79.00	51.63	
4066	找平层细石砼3cm厚无筋	12.6000	平方米	6.1800	78	1.35	59.60	40.76	
4111	现浇钢筋有梁板板厚10cmC30	383.8200	平方米	61.1600	23,706	434.77	28,414.52	16,767.54	

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage L₁₀₀₀)
Electrical Building (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
4129	油漆工程高柜3.6m高柜2m	583.8200	平米	2.1300	1,241.56	47.11	694.75	170.65	
4283	砼散水C15	51.1700	平米	26.7900	1,371.12	17.25	1,154.40	808.46	
4284	砼坡道C15	86.1000	平米	40.0700	3,450.17	43.44	2,904.15	2,034.55	
4285-252	多色彩天棚灰面	398.5300	平米	11.5850	4,617.12	35.23	4,064.74	180.97	
4325	砼钢龙骨天棚底面石膏板不上人	191.5200	平米	44.2800	8,481.14	67.80	7,601.43	515.19	
4064	找平层水泥砂浆2cm厚	897.2400	平米	3.6600	3,284.08	59.04	2,467.41	1,720.73	
4060	屋面的隔层三元乙丙丁基橡胶1mm厚	146.5700	平米	34.0700	4,992.19	7.40	4,890.84	139.46	
4262	预制砼雨蓬水平型配板	22.8900	平米	74.0600	1,695.18	28.32	1,201.50	823.87	
4285	地面砼台阶C20水泥面	7.5000	平米	59.8400	449.11	6.71	349.50	256.33	
4239	现浇砼整体式楼梯C20同质地砖面	23.4000	平米	229.0600	5,360.18	99.76	3,922.31	3,354.13	
8-84	预制砼彩色砼板结合砂浆层	217.8000	平米	49.6145	10,806.58	32.71	10,438.28	206.45	
4020	地面细层细滑卷材二色二油	217.8000	平米	10.1900	2,219.18	14.72	2,019.01	1,323.59	
	小计				104,262.22	1,246.97	96,453.03	44,080.62	
门窗工程									
5103	银白色铝合金推拉窗	62.1000	平米	296.9500	18,441.70	47.02	17,642.61		
5040	塑木框三夹板门	43.3000	平米	152.3100	6,595.03	53.78	5,930.37	163.58	
5073	窗台板预制水磨石	13.2800	平米	35.2700	468.78	14.99	288.18	132.50	
5089	银白色铝合金平开门	4.3000	平米	325.5700	1,400.75	3.18	1,345.64		
5029	变电间木门	16.2000	平米	199.0900	3,225.46	7.98	3,105.86	84.70	
5109	银白色铝合金百叶窗	7.2000	平米	164.1600	1,182.15	3.00	1,119.89		
	小计				31,311.47	129.95	29,432.55	382.78	
装饰工程									
6044	花岗岩(差价)水泥砂浆150*150墙面	104.8400	平米	27.4800	2,881.11	41.30	2,343.17	5,196.34	
6049	无釉面砖(差价)水泥砂浆95*45墙面	749.7900	平米	64.7300	48,534.17	444.85	42,783.02	1,365.14	
6148	多色彩涂料柱面抹灰面	1,302.2800	平米	11.1700	14,546.58	95.98	12,983.73	591.37	
	小计				65,961.86	582.13	58,109.92	7,152.85	
耐酸、防腐、保温隔热工程									
7138	现浇水泥珍珠岩	16.3900	立米	103.5300	1,697.12	14.96	1,497.55	380.75	
	小计				1,697.12	14.96	1,497.55	380.75	
	合计				368,264.22	4,344.20	303,369.36	134,469.14	
土方机械进出场费									

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Electrical Building (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
	履带式电动挖土机(聚斗挖土机)	1.0000	台次	859	859				
	小计								
土方及泥浆外运									
	土方运费(浦东及浦西内环线外)	602.0000	立方米	30.0000	18,060				
	小计				18,060				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
FUEL STORAGE DEPOT--DINING HALL (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		462,269
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1) X 9%	23,113
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2)) X 3.5%	16,988
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	502,371
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) X 12%	60,285
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	562,655
(7)	PROFIT	(6) X 9%	50,639
(8)	INITIAL EXPENSE	(4) X 3%	15,071
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X 2.4	11,695
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	12,183
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	185,320
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	7,780
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	4,311
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	849,854
(15)	OTHER EXPENSE	(4) X 0.5%+(14) X 3%	2,801
(16)	TAX AND DUTIES	((14)+(15)) X 3.41%	29,076
(17)	CONSTRUCTION COST	(14)+(15)+(16)	881,731

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Dining Hall (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
基础、打桩工程									
1003	带基础预埋铁无钢筋砼水塔	50.3400	立方米	139.5700	7,026	61.36	6,302.06	4,114.93	
1041	钢筋砼立基基础埋深1.5m以内C20	19.3200	立方米	425.9400	8,229	126.61	5,879.27	4,794.21	
1027	带架式钢筋带型基础埋深1.5m以内C20	57.5500	立方米	431.2100	24,816	244.91	20,056.75	14,397.44	
	小计			40,071	432,888		32,238.08	23,306.58	
柱梁工程									
2009	现浇钢筋柱(矩形)周长2.5m以内C20	5.6200	立方米	658.8100	3,703	37.70	3,095.66	1,809.14	
2020	现浇钢筋梁(矩形)C30	73.6600	立方米	615.8100	45,361	462.58	37,401.60	22,377.61	
2122	无袖面砖装饰方柱	12.8400	平米	82.0700	1,054	14.01	875.49	50.83	
2111	柱头柱(抗震)差价C20	8.0600	立方米	550.2300	4,435	41.53	3,742.26	2,348.66	
2113	超3.6m每增3m以内方柱	5.6200	立方米	18.7700	105	6.47	29.95	6.00	
2114	超3.6m每增3m以内梁	73.6600	立方米	21.8500	1,609	73.37	754.28	220.57	
	小计			56,267	45,899.18		45,899.18	26,812.81	
墙身工程									
3002	标准砖外墙1砖	561.1100	平米	62.6000	35,125	625.41	26,265.56	15,856.35	
3027	内墙标准砖1砖	424.8300	平米	55.8500	23,727	344.75	18,599.06	10,988.95	
3103	砖原同量预埋水磨石同量有门	20.0000	间	158.2300	3,165	62.45	2,333.00	4,043.38	
3117	铁皮水塔管45cm	27.9000	延长米	14.3200	400	5.08	341.22	573.60	
3126	女儿墙镀锌出水塔管φ100	6.0000	个	39.5700	237	1.96	214.86		
3134	钢管双排外脚手架高12m内	728.0600	平米	4.4500	3,240	63.27	2,315.23	893.91	
3147	砌墙用里脚手架3.6m以上钢管	454.5000	平米	1.1900	541	31.13	95.45	94.67	
3152	钢管满堂脚手架高3.61-5.80m	694.0100	平米	2.2200	1,541	86.54	527.45	201.82	
	小计			67,976	1,220.59		50,691.83	32,652.68	
楼、地、屋面工程									
4001	平整场地	691.0100	平米	4.2900	2,964	106.14	1,741.35	1,155.65	
4002	室内回填土室内外高差45cm内	694.0100	平米	1.8400	1,277	116.80			
4009	梁屋道铺细米1cm厚	670.7400	平米	0.8900	597	5.97	516.47	357.71	
4011	垫层砼(1cm厚)C15	389.4500	平米	1.4800	576	4.87	514.07	364.86	
4098	找平层同面积砼水泥砂浆面层	670.7400	平米	60.8500	40,815	266.22	37,232.78	39,289.33	
4020块	地面防潮层细砂垫层1毡2油	305.3700	平米	6.8800	2,101	13.68	1,914.67	1,251.41	
4066	找平层细石砼3cm厚无筋	305.3700	平米	6.1800	1,887	32.74	1,444.40	988.30	
4111	现浇钢筋有梁板板厚10cmC30	694.0100	平米	61.1600	42,446	516.83	33,777.47	19,932.24	

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Lining)
Dining Hall (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
4129	找平层厚度3.0m每增3m	694.0100	平米	2.1300	1,478	56.01	825.87	202.86	
4283	砂浆水C15	86.8800	平米	26.7900	2,328	29.30	1,960.01	1,372.66	
4284	砂浆水C15	5.0000	平米	40.0700	200	2.52	168.65	118.15	
425-252	多形涂料天棚顶灰面	326.0000	平米	11.5850	3,777	28.82	3,325.07	1,48.04	
4325	轻钢龙骨天棚顶面石膏板不上人	372.6500	平米	44.2800	16,501	131.92	14,790.48	1,002.43	
4046	屋面防腐层平型屋面板851焦油聚氨酯2.0mm厚	694.0100	平米	29.7800	20,668	86.20	19,480.86	1,916.30	
4060	屋面防腐层三元乙丙丁基橡胶1mm厚	649.0100	平米	34.0700	22,112	32.78	21,603.95	617.73	
4262	轻钢龙骨天棚顶面石膏板不上人	21.7200	平米	74.0600	1,609	26.87	1,140.08	781.75	
4266	乳胶漆C20栏板水泥面	22.3200	平米	92.1500	2,057	33.05	1,611.50	960.44	
4285	地面砼台阶C20水泥面	40.1700	平米	59.8400	2,404	35.93	1,871.92	1,372.89	
	小计				165,797	1,526.65	143,979.60	71,832.73	
门窗工程									
5103	铝白色铝合金推拉门	52.6800	平米	296.9500	15,643	39.88	14,966.39		
5040	铝白色三夹板门	31.8600	平米	152.3100	4,853	39.57	4,363.55	121.84	
5075	窗台板预埋水泥石	12.8800	平米	35.2700	454	14.54	279.50	128.51	
5089	铝白色铝合金平开门	8.1000	平米	325.5700	2,637	5.99	2,534.81		
5105	铝白色铝合金平开	6.4800	平米	251.7100	1,631	4.92	1,547.62		
5004	SC-1钢窗单层半定型	24.0000	平米	113.0700	2,714	11.92	2,567.76	32.07	
	小计				27,932	116.82	26,259.63	282.42	
装饰工程									
6044	花岗岩(差价)水泥砂浆150*150墙面	609.9300	平米	27.4800	16,761	240.25	13,631.94	30,230.88	
6049	无釉面砖(差价)水泥砂浆95*45墙面	636.8900	平米	64.7300	41,225	377.86	36,340.37	1,159.57	
6148	多形涂料墙、柱面抹灰面	693.1600	平米	11.1700	7,743	51.09	6,910.81	314.76	
62-35	粘贴无釉面砖150*75其他面砖套磁	22.3200	平米	53.2154	1,188	18.04	958.50	58.80	
	小计				66,917	687.24	57,841.62	31,764.01	
耐酸、防腐、保温隔热工程									
7138	现浇水泥珍珠岩	277.6000	立方米	103.5300	28,740	253.45	25,364.31	6,448.79	
	小计				28,740	253.45	25,364.31	6,448.79	
	合计				453,700	4,873.29	382,274.25	193,100.02	
土方机械进出场费									
	履带式电动挖土机(斗挖土机)	1.0000	台次	859.0000	859				

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Dining Hall (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
小计					859				
土方及泥浆外运									
	土方运费(浦东及浦西内环线外)	257.0000	立方米	30.0000	7.710				
小计					7.710				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
 FUEL STORAGE DEPOT---LABORATORY (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		182,605
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1) X 5%	9,130
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2)) X 3.5%	6,711
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	198,446
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) X 12%	23,814
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	222,260
(7)	PROFIT	(6) X 9%	20,003
(8)	INITIAL EXPENSE	(4) X 3%	5,953
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X 2.4	4,442
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	4,628
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	63,646
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	3,568
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	1,751
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	326,251
(15)	OTHER EXPENSE	(4) X 0.5%+(14) X 3%	1,078
(16)	TAX AND DUTIES	((14)+(15)) X 3.41%	11,162
(17)	CONSTRUCTION COST	(14)+(15)+(16)	338,491

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Dc Laboratory) (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
基础、打桩工程									
1003	砖基础标准砖无碎砖防水	36.4900	立方米	139.5700	5,095	41.85	4,568.18	2,982.79	
1004	碎砖垫立基基础埋深1.5m以内C20	0.4300	立方米	429.4000	183	2.82	130.85	106.70	
1027	有梁式钢筋混凝土基础埋深1.5m以内C20	451.4000	立方米	431.2100	19,465	192.19	15,731.74	11,292.80	
	小计			24,741	20,430.77	239.50		14,382.29	
柱梁工程									
2007	现浇钢筋混凝土(矩形)周长1.8m以内C20	1.3500	立方米	702.6300	949	10.84	775.95	451.31	
2020	现浇钢筋混凝土C30	20.5700	立方米	615.8100	12,667	129.18	10,444.62	6,249.08	
2122	无梁面砖柱方柱	6.7800	平方米	82.0700	556	7.40	462.20	26.84	
2111	构造柱(抗震)单价C20	4.2850	立方米	550.2300	2,355	22.05	1,987.20	1,247.18	
	小计			16,527	169.47		13,670.03	7,974.41	
墙身工程									
3002	标准砖外墙1砖	261.2400	平方米	62.6000	16,354	291.18	12,228.64	7,392.36	
3027	内墙标准砖1砖	273.2200	平方米	55.8500	15,259	221.72	11,961.57	7,067.30	
3103	浴厕间壁内制水磨石间壁有门	2.0000	间	158.2500	316	6.25	233.30	404.34	
3117	铁质水落管45cm	15.4000	延长米	14.3700	221	2.81	188.34	316.61	
3126	女儿墙砖砌出水落管φ100	4.0000	个	39.5700	158	1.31	143.24		
3134	钢管双排外脚手架高12m内	346.9200	平方米	4.4500	1,544	30.15	1,103.21	425.95	
	小计			33,852	553.42		25,858.30	15,596.56	
楼、地、屋面工程									
4001	平整场地	301.5900	平方米	4.2900	1,294	46.32	760.01	504.38	
4002	室内回填土室内外高差45cm内	301.5900	平方米	1.8400	555	50.76			
4009	垫层现浇混凝土1cm厚	182.7900	平方米	0.8900	163	1.63	140.75	97.48	
4011	垫层砼(1cm厚)C15	170.8600	平方米	1.4900	253	2.14	235.54	160.06	
4098	块料面层同质地砖水泥砂浆结合层	191.4300	平方米	60.8500	11,649	75.98	10,626.28	11,213.22	
4066	找平层细石砼3cm厚无纺	20.5200	平方米	6.1800	127	2.20	97.06	66.41	
4020	地面防潮层砂浆卷材二毡三油	118.8000	平方米	10.1900	1,211	8.03	1,101.28	721.96	
4111	现浇钢筋混凝土板厚10cmC30	301.5900	平方米	61.1600	18,445	224.59	14,678.39	8,661.79	
4283	砼板水C15	61.6100	平方米	26.7900	1,651	20.77	1,389.92	973.41	
4064	砂浆抹灰天棚抹灰面	301.5900	平方米	11.5850	3,494	26.66	3,076.10	1,369.95	
4064	找平层水泥砂浆2cm厚	301.5900	平方米	3.6600	1,104	19.84	829.37	578.39	
4060	屋面防潮层三元乙丙丁基橡胶1mm厚	301.5900	平方米	34.0700	10,275	15.23	10,067.07	287.05	

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Laboratory (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
1262	预制钢筋混凝土水平预埋板	6.2100	平米	74.0600	460	7.59	325.96	223.51	
1285	混凝土台阶C20水泥面	8.6400	平米	59.8400	517	7.73	402.62	295.29	
	小计			51,198		490.56	43,720.35	23,010.00	
门窗工程									
5103	塑白色铝合金推拉窗	35.1000	平米	296.9500	10,423	26.57	9,971.91		
5040	塑木框三夹板门	20.1600	平米	152.3100	3,071	25.04	2,761.11	77.09	
5073	塑台板预制水磨石	5.9800	平米	35.2700	211	6.75	129.77	59.67	
5089	塑白色铝合金平开门	8.1000	平米	325.5700	2,637	5.99	2,334.81		
	小计			16,342		64.35	15,297.60	136.76	
装饰工程									
6044	花岗岩(差价)水泥砂浆150*150墙面	81.9300	平米	27.4800	2,251	32.27	1,831.14	4,060.82	
6049	无釉面砖(差价)水泥砂浆95*45墙面	303.7200	平米	64.7300	19,660	180.20	17,330.26	552.98	
6148	多彩涂料墙、柱面抹灰面	681.3000	平米	11.1700	7,610	50.21	6,792.56	309.38	
	小计			29,521		262.68	25,953.96	4,923.18	
耐酸、防腐、保温隔热工程									
7001	水玻璃耐酸砂浆面层2cm	118.1000	平米	23.1700	2,736	40.76	2,258.07		
7138	现浇水泥珍珠岩	12.0600	立米	103.5300	1,249	11.01	1,101.92	280.16	
	小计			3,985		51.77	3,359.99	280.16	
	合计			176,166		1,850.65	1,48,391.00	67,213.26	
土方机械进出场费									
	履带式电动挖土机(斗挖土机)	1.0000	台次	859.0000	859				
	小计			859					
土方及泥浆外运									
	土方运费(浦东及浦西内环线外)	186.0000	立米	30.0000	5,580				
	小计			5,580					

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
FUEL STORAGE DEPOT--MAINTENANCE BUILDING (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		141,496
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1) X 5%	7,075
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2)) X 3.5%	5,200
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	153,771
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) X 12%	18,452
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	172,223
(7)	PROFIT	(6) X 9%	15,500
(8)	INITIAL EXPENSE	(4) X 3%	4,613
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X 2.4	3,588
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	3,738
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	40,307
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	3,524
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	1,299
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	244,792
(15)	OTHER EXPENSE	(4) X 0.5% +(14) X 3%	811
(16)	TAX AND DUTIES	((1)+(15)) X 3.41%	8,375
(17)	CONSTRUCTION COST	(14)+(15)+(16)	253,979

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage De-
Maintenance Building (Building Works))

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
基础、打桩工程									
1003	碎石标准碎石无级配砾石	22.5000	立方米	139.5700	3,149	27.50	2,821.29	1,811.12	
1041	卵石独立基础埋深1.5m以内C20	16.3000	立方米	425.6400	6,943	106.82	4,940.24	4,044.80	
1166	卵石基础埋深碎石垫层C20	4.7400	立方米	555.5900	2,643	24.59	2,234.24	1,259.94	
1027	有梁式钢筋混凝土基础埋深1.5m以内C20	32.3700	立方米	431.2100	13,958	137.79	11,281.27	8,098.08	
	小计			26,693	296,623	296.62	21,360.06	15,316.94	
柱梁工程									
2007	现浇钢筋混凝土(矩形)梁长1.8m以内C20	1.7400	立方米	702.6200	1,223	13.97	1,000.12	581.08	
2020	现浇钢筋混凝土(矩形)C30	10.2600	立方米	615.8100	6,218	64.42	5,209.62	3,116.24	
2111	构造柱(抗震)盖价C20	4.3200	立方米	550.2300	2,377	22.26	2,063.78	1,258.84	
	小计			9,918	100,661	100.66	8,215.52	4,957.47	
墙身工程									
3002	标准砖外墙1砖	232.9700	平方米	62.6000	14,584	259.67	10,903.33	6,293.48	
3027	内墙标准砖1砖	63.9000	平方米	55.8500	3,569	51.85	2,797.54	1,652.88	
3117	铁皮水落管45cm	18.5600	延长米	14.3700	266	3.38	236.99	381.58	
3126	女儿墙砖砌出水落管Φ100	4.0000	个	39.5200	158	1.31	143.24		
3134	钢管双排外脚手架高12m内	318.3800	平方米	4.4500	1,417	27.67	1,012.45	390.91	
	小计			19,994	343,881	343.88	15,085.55	9,008.85	
楼、地、屋面工程									
4001	平整场地	305.6300	平方米	4.2900	1,311	46.94	770.19	511.14	
4002	室内回填土室内高差45cm内	305.6300	平方米	1.8400	562	51.44			
4009	垫层现浇混凝土1cm厚	305.6300	平方米	0.8900	272	2.72	235.34	162.99	
4071	垫层现浇混凝土碎石垫层2cm	305.6300	平方米	6.2500	1,910	50.55	1,271.42	935.59	
4111	现浇钢筋混凝土板厚10cmC20	305.6300	平方米	61.1600	18,692	227.60	14,875.01	8,777.82	
4283	现浇水C15	65.1200	平方米	26.7900	1,745	21.96	1,469.11	1,028.86	
4284	现浇道C15	9.0000	平方米	40.0700	361	4.54	303.57	212.67	
4252	多涂料天棚抹灰面	305.6300	平方米	11.5850	3,541	27.02	3,117.30	1,88.79	
4064	找平层水泥砂浆2cm厚	611.2600	平方米	3.6600	2,237	40.22	1,680.97	1,172.27	
4060	屋面防水层三乙丙丁基橡胶1mm厚	305.6300	平方米	34.0700	10,413	15.43	10,201.93	290.90	
4262	现浇钢筋混凝土水平遮阳板	3.6000	平方米	74.0600	267	4.45	188.96	129.57	
	小计			41,311	492,871	492.87	34,113.80	13,360.60	
门窗工程									

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Maintenance Building (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
5103	深蓝色铝合金格栅	27.0000	平米	296.9500	8,018	20.41	7,670.70		
5040	硬木框三联灰门	27.5400	平米	152.3100	4,195	34.21	3,771.88	105.32	
5073	窗台或预制水磨石	1.6400	平米	35.2700	164	5.24	100.69	46.30	
	小计				12,377	59.86	11,543.27	151.62	
装饰工程									
6049	无细面砖(磨石)水泥砂浆95°45墙面	280.0400	平米	64.7300	18,127	166.15	15,979.08	509.87	
6148	多彩涂料墙柱面抹灰面	228.1500	平米	11.1700	2,548	16.81	2,274.66	103.60	
6137	抓灰面油漆乳胶漆二遍	126.3000	平米	3.0400	385	5.53	310.25	103.07	
	小计				21,060	188.49	18,569.99	716.54	
耐酸、防腐、保温隔热工程									
7138	现浇水泥砂浆	15.7500	立米	103.5300	1,424	12.55	1,256.34	319.42	
	小计				1,424	12.55	1,256.34	319.42	
	合计				132,777	1,494.96	110,084.53	43,831.45	
土方机械进出场费									
	履带式电动挖土机(震斗挖土机)	1.0000	台次	859.0000	859				
	小计				859				
土方及泥浆外运									
	土方运费(浦东及浦西内环线外)	262.0000	立米	30.0000	7,860				
	小计				7,860				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
FUEL STORAGE DEPOT—WAREHOUS FOR FLAMMABLE MATERIAL (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		232,398
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1) X 5%	11,620
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2)) X 3.5%	8,541
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	252,559
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) X 12%	30,307
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	282,866
(7)	PROFIT	(6) X 9%	25,458
(8)	INITIAL EXPENSE	(4) X 3%	7,577
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X 2.4	5,674
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	5,910
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	59,663
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	3,654
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.13%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	2,255
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	393,056
(15)	OTHER EXPENSE	(4) X 0.5%+(14) X 3%	1,305
(16)	TAX AND DUTIES	((14)+(15)) X 3.41%	13,448
(17)	CONSTRUCTION COST	(14)+(15)+(16)	407,809

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage L...)
Warehouse for Flammable (Building Works)

编号	名称	工程量	单位	单价	总价	人工数	材料费	主材差	备注
基础、打桩工程									
1003	砖基础标准砖无钢筋防水	40.7800	立方米	139.5700	6,110	53.37	5,480.82	5,480.82	3,578.70
1027	有梁式钢筋混凝土基础埋深1.5m以内C20	45.0300	立方米	431.2100	19,417	101.63	15,693.41	15,693.41	11,265.28
	小计			25,527	245,006		21,174.23		14,843.98
柱梁工程									
2020	现浇钢筋混凝土矩形C30	19.3800	立方米	615.8100	11,934	121.71	9,840.39	9,840.39	5,887.56
2111	构造柱(抗震)C20	12.6400	立方米	550.2300	6,953	65.12	5,868.75	5,868.75	3,683.27
2114	超3.6m单排3m以内梁	19.3800	立方米	21.8500	423	19.30	198.45	198.45	58.03
	小计			19,312	206,141		15,907.59		9,628.86
墙身工程									
3002	标准砖外墙1砖	430.0800	平方米	62.6000	26,923	479.37	20,132.04	20,132.04	12,153.59
3117	砖压水墙至45cm	19.4000	延长米	14.3200	278	3.53	237.26	237.26	398.84
3126	女儿墙墙体出水管管φ100	4.0000	个	39.5200	158	1.31	143.24	143.24	---
3134	钢管双排外脚手架高12m内	572.1600	平方米	4.4500	2,546	49.72	1,819.47	1,819.47	702.50
3132	钢管满堂脚手架高3.61-5.80m	332.0900	平方米	2.2200	737	41.41	252.39	252.39	96.57
	小计			30,642	575,341		22,584.40		13,351.50
楼、地、屋面工程									
4001	平整场地	366.6400	平方米	4.2900	1,573	56.32	923.93	923.93	613.17
4002	室内回填土室内外高差45cm内	366.6400	平方米	1.8400	675	61.71	---	---	---
4009	垫层道渣灌浆1cm厚	366.6400	平方米	0.8900	326	3.26	282.31	282.31	195.53
4011	垫层砼(1cm厚)C15	366.6400	平方米	1.4800	543	4.58	483.96	483.96	343.47
4071	整体面层水泥砂浆抗压光压实2cm	366.6400	平方米	6.2500	2,292	60.64	1,525.22	1,525.22	1,122.36
4111	现浇钢筋有梁板板厚10cmC30	366.6400	平方米	61.1600	22,424	273.04	17,844.37	17,844.37	10,530.05
4129	现浇板层高超3.6m每增3m	366.6400	平方米	2.1300	781	29.59	406.30	406.30	107.17
4283	砼散水C15	48.9800	平方米	26.7900	1,312	16.52	1,104.99	1,104.99	773.86
4284	砼垫层C15	13.2000	平方米	40.0700	529	6.66	445.24	445.24	311.92
4285-252	多彩涂料天棚抹灰面	332.0900	平方米	11.5850	3,847	29.36	3,387.19	3,387.19	1,508.80
4046	屋面防水层平型屋面(5)焦油聚氨酯2.0mm	664.1800	平方米	29.7800	19,779	82.49	18,643.53	18,643.53	1,833.93
4060	屋面防水层三元乙丙丁基橡胶1mm厚	332.0900	平方米	34.0700	11,314	16.77	11,085.16	11,085.16	316.08
4262	预制钢筋混凝土平遮阳板	4.6800	平方米	74.0600	347	5.79	245.65	245.65	168.44
4285	地面砼台阶C20水泥面	2.5300	平方米	59.8400	151	2.26	117.90	117.90	86.47
	小计			65,893	648,991		56,525.75		16,553.25

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Warehouse for Flammable (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
门窗工程									
5103	银白色铝合金推拉	32.4000	平米	296.9500	9,621	24.53	9,204.84		
5040	硬木框三开板门	11.3400	平米	152.3100	1,727	14.09	1,553.13	43.37	
5073	窗台板预制水磨石	5.5700	平米	35.2700	196	6.29	120.87	55.54	
	小计			11,544		44.91	10,878.84	98.94	
装饰工程									
6049	无釉面砖(差价)水泥砂浆95°45墙面	528.4200	平米	64.7300	34,205	313.51	30,151.65	962.09	
6148	多彩涂料薄,柱面抹灰面	358.5600	平米	11.1700	4,005	26.43	3,574.84	162.82	
	小计			38,210		339.94	33,726.49	1,124.91	
耐酸、防腐、保温隔热工程									
7138	现浇水泥砂浆	332.0900	立米	103.5300	34,381	303.20	30,343.06	7,714.62	
	小计			34,381		303.20	30,343.06	7,714.62	
	合计			225,509		2,363.52	191,140.36	63,316.06	
土方机械进出场费									
	履带式电动挖土机(斗挖土机)	1.0000	台次	859.0000	859				
	小计			859					
土方及泥浆外运									
	土方运费(浦东及浦西内环线外)	201.0000	立米	30.0000	6,030				
	小计			6,030					

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
 FUEL STORAGE DEPOT--GUARD (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		27,701
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1) X 5%	1,385
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2)) X 3.5%	1,018
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	30,104
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) X 12%	3,612
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	33,717
(7)	PROFIT	(6) X 9%	3,034
(8)	INITIAL EXPENSE	(4) X 3%	903
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X 2.4	614
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	640
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	6,830
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	327
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	268
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	46,333
(15)	OTHER EXPENSE	(4) X 0.5% + (14) X 3%	154
(16)	TAX AND DUTIES	((14)+(15)) X 3.41%	1,585
(17)	CONSTRUCTION COST	(14)+(15)+(16)	48,072

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Guard (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
基础、打桩工程									
1003	管基础标准砖无钢筋砼水沟	3,4200	立方米	139.5700	477	4.17	438.15	279.56	
1057	南京式钢筋砼带型基础埋深1.5m以内C20	1,2800	立方米	431.2100	1,846	18.21	1,501.67	1,070.24	
	小计			2,323	2,323	22.38	1,939.82	1,350.80	
柱梁工程									
2111	构造柱(抗震)单价C20	0.8800	立方米	550.2300	484	4.53	408.58	256.43	
	小计			484	484	4.53	408.58	256.43	
墙身工程									
3002	标准砖外墙1砖	67,5400	平方米	62.6000	4,228	75.28	3,161.55	1,908.61	
3027	内墙标准砖1砖	11,2500	平方米	55.8500	628	9.15	492.55	291.06	
3117	铁板水磨石45cm	6,7000	延长米	14.3200	96	1.22	81.94	137.75	
3126	女儿墙铸铁出水管φ100	2,0000	个	39.5200	79	0.65	71.62		
3134	钢管双排外脚手架高12m内	107,1400	平方米	4.4500	477	9.31	340.71	131.55	
	小计			5,508	5,508	95.59	4,148.35	2,468.91	
楼、地、屋面工程									
4001	平整场地	36,5300	平方米	4.2900	157	5.61	92.06	61.09	
4002	室内回填土室内外高差45cm内	36,5300	平方米	1.8400	67	6.15			
4009	垫层道渣层1cm厚	36,5300	平方米	0.8900	33	0.33	28.13	19.48	
4011	垫层砼(1cm厚)C15	33,2800	平方米	1.4800	49	0.42	43.93	31.18	
4098	块料面层同质地砖水泥砂浆结合层	33,2800	平方米	60.8500	2,025	13.21	1,847.37	1,969.41	
4283	砼散水C15	19,3600	平方米	26.7900	519	6.59	456.76	305.86	
4285-252	多彩涂料天棚抹灰面	36,5000	平方米	11.5850	423	3.23	372.29	16.57	
4064	找平层水泥砂浆2cm厚	73,0000	平方米	3.6600	267	4.80	200.75	140.00	
4060	屋面防水层三元乙丙丁基橡胶1mm厚	36,5000	平方米	34.0700	1,244	1.84	1,218.37	34.74	
4262	预制钢筋砼雨蓬,水平遮阳板	2,3400	平方米	74.0600	173	2.90	122.93	84.22	
4285	地面砼台阶C20水泥面	4,2800	平方米	59.8400	256	3.83	199.45	146.28	
	小计			5,213	5,213	48.85	4,561.94	2,788.85	
门窗工程									
5103	银白色铝合金窗框	15,7100	平方米	296.9500	4,665	11.89	4,463.21		
5040	硬木框三夹板门	9,7200	平方米	152.3100	1,480	12.07	1,331.25	37.17	
5073	铝合金隔热水磨石	2,6500	平方米	35.2700	93	2.99	57.51	26.44	
	小计			6,238	6,238	26.95	5,851.97	63.61	

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Guard (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
装饰工程									
6049	无釉面砖(套价)水泥砂浆0.5厚抹面	85.8000	平米	64.7300	5,554	50.91	4,895.75	156.22	
6148	多余砂浆抹面找平	75.3700	平米	11.1700	842	5.55	751.44	34.23	
	小计				6,396	56.46	5,647.19	190.45	
耐酸、防腐、保温隔热工程									
7138	现浇水泥砂浆	1.6400	立方米	103.5300	170	1.50	149.85	38.10	
	小计				170	1.50	149.85	38.10	
	合计				26,332	256.26	22,687.65	7,156.65	
土方机械进出场费									
	履带式电动挖土机(斗容量)	1.0000	台次	859.0000	859				
	小计				859				
土方及泥浆外运									
	土方运费(浦东及浦西内环线外)	17.0000	立方米	30.0000	510				
	小计				510				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
FUEL STORAGE DEPOT---OIL SEPARATOR (BUILDING WORKS)

NO.	ITEM	FORMULA	UNIT: RMB YUAN
(1)	DIRECT EXPENSE (BUILDING WORKS)		44,191
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1) x 5%	2,210
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2)) x 3.5%	1,624
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	48,025
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) x 12%	5,763
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	53,788
(7)	PROFIT	(6) x 9%	4,841
(8)	INITIAL EXPENSE	(4) x 3%	1,441
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY x 2.4	1,013
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY x 2.5	1,055
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	12,517
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	603
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING x 4.81%+ FOR PILING x 17.25%	421
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	75,678
(15)	OTHER EXPENSE	(4) x 0.5% + (14) x 3%	251
(16)	TAX AND DUTIES	((14)+(15)) x 3.41%	2,589
(17)	CONSTRUCTION COST	(14)+(15)+(16)	78,518

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage f
Oil Separator (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	土方量	备注
基础、打桩工程									
1003	砼基础垫层无碎块碎石	4.7200	立方米	136.5700	659	5.75	590.90	385.92	
1027	有梁式独立式基础埋深1.5m以内C20	4.9100	立方米	431.2100	2,117	20.89	1,711.18	1,238.34	
	小计				2,776	26.64	2,302.08	1,614.18	
柱梁工程									
2020	现浇砼柱圆形C30	0.6400	立方米	615.8100	394	4.02	324.97	194.43	
2111	构造柱(抗震)单价C20	0.9600	立方米	550.2300	528	4.95	445.73	279.74	
	小计				922	8.97	770.70	474.17	
墙体工程									
3002	标准砖外墙1砖	100.4000	平方米	62.6000	6,285	111.91	4,699.72	2,837.19	
3027	内墙标准砖1砖	26.8200	平方米	55.8500	1,498	21.76	1,174.18	693.74	
3117	铁虫水管管45cm	7.3000	延长米	14.2000	105	1.33	99.28	150.08	
3126	女儿墙铸铁出水弯管φ100	2.0000	个	39.5200	79	0.65	71.62		
3134	钢管双排外脚手架高12m内	103.7000	平方米	4.4500	461	9.01	329.77	127.32	
	小计				8,428	144.66	6,364.57	3,808.33	
楼、地、屋面工程									
4001	平整场地	58.9500	平方米	4.2900	253	9.05	148.55	98.59	
4002	室内回填土室内外高差45cm内	58.9500	平方米	1.8400	108	9.92			
4009	垫层道渣层米1cm厚	58.9500	平方米	0.8900	52	0.52	45.39	31.44	
4011	垫层砂(1cm厚)C15	49.7700	平方米	1.4800	74	0.62	65.70	46.62	
4071	墙体面层水泥砂浆压光压光2cm	49.7700	平方米	6.2500	311	8.23	207.04	152.36	
4098	块料面层同质地砖水泥砂浆结合层	9.1800	平方米	60.8500	559	3.64	509.58	537.73	
4020块	地面防潮层砂浆抹1层2油	9.1800	平方米	6.8800	63	0.41	57.56	37.62	
4066	找平层细石砼3cm厚无筋	9.1800	平方米	6.1800	57	0.98	43.42	29.71	
4114	现浇钢筋无梁板厚20cmC20	58.9500	平方米	108.1300	6,374	54.37	5,362.66	3,282.65	
4283	砼散水C15	27.7000	平方米	26.7900	742	9.34	624.91	437.65	
楼5-252	多彩涂料天棚抹表面	58.9500	平方米	11.5850	683	5.21	601.27	26.77	
4046	屋面防潮层平型屋面抹851焦油或聚氨酯2.0mm	58.9500	平方米	29.7800	1,756	7.32	1,654.73	162.77	
4060	屋面防潮层三元乙丙丁卷材1mm厚	58.9500	平方米	34.0700	2,008	2.98	1,967.75	56.11	
4262	预制钢筋雨篷水平遮阳板	1.8000	平方米	74.0600	133	2.23	94.48	64.79	
4285	地面砼台阶C20水泥面	3.6000	平方米	59.8400	215	3.22	167.76	123.04	
	小计				13,388	118.04	11,540.80	5,087.85	

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Oil Separator (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
门窗工程									
5103	银白色铝合金窗框	13.5000	平米	296.9500	4,009	10.22	3,835.35		
5040	塑水框三夹板门	8.3700	平米	152.3100	1,275	10.40	1,146.36	32.01	
	小计				5,284	20.62	4,981.71	32.01	
装饰工程									
6044	花瓷砖(差价)水泥砂浆150*150墙面	35.4600	平米	27.4800	974	13.97	792.53	1,757.56	
6049	无釉面砖(差价)水泥砂浆95*45墙面	133.9900	平米	64.7900	8,673	79.50	7,645.47	243.96	
6148	多彩釉料墙、柱面抹灰面	103.0300	平米	11.1700	1,173	7.74	1,047.15	47.69	
	小计				10,820	101.21	9,485.15	2,049.21	
耐酸、防腐、保温隔热工程									
7138	聚苯水泥珍珠岩	2.3600	立米	103.5300	244	2.15	215.63	54.82	
	小计				244	2.15	215.63	54.82	
	合计				41,862	422.29	35,660.64	12,120.57	
土方机械进出场费									
	履带式电动挖土机(铲斗挖土机)	1.0000	台次	859.0000	859				
	小计				859				
土方及泥浆外运									
	土方运费(浦东及浦西内环线外)	49.0000	立米	30.0000	1,470				
	小计				1,470				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
FUEL STORAGE DEPOT ---2000M² WATER PONDS (BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		326,857
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1)X.5%	16,343
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2))X3.5%	12,012
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	355,212
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3))X 12%	42,625
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	397,837
(7)	PROFIT	(6) X 9%	35,805
(8)	INITIAL EXPENSE	(4) X 3%	10,656
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X 2.4	8,302
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	8,648
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	118,528
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	18,034
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	2,312
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	600,123
(15)	OTHER EXPENSE	(4) X 0.5%+(14) X 3%	1,978
(16)	TAX AND DUTIES	((14)+(15)) X 3.41%	20,532
(17)	CONSTRUCTION COST	(14)+(15)+(16)	622,633

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage Depot)
Water Ponds (Building Works)

编号	名称	工程量	单位	单价	合价	人工数	材料费	主材差	备注
柱梁工程									
9003	现浇矩形柱(矩形)周长1.2m以内C20	26,200	立方米	817.9900	21,432	298.91	16,715.03	9,522.66	
	小计				21,432	298.91	16,715.03	9,522.66	
构筑物工程									
9044	池水(池)池面直径C30埋深4m以内(井点)	196,7700	立方米	532.7700	104,823	1,662.73	71,112.19	49,531.04	
9047	池水(油)池埋深直径C30矩形	89,3600	立方米	809.6700	72,352	766.40	62,217.79	37,871.28	
9048	池水(油)池埋深直径C20垫	93,3800	立方米	596.6100	55,711	730.89	45,857.98	29,636.55	
	小计				232,886	3,160.02	179,217.96	127,038.88	
	合计				254,328	3,458.93	195,963.89	136,562.54	
土方机械进出场费									
	履带式电动挖土机(履斗挖土机)	1.0000	台次	859.0000	859				
	小计				859				
土方及泥浆外运									
	土方运费(浦东及浦西内环线外)	2,389.0000	立方米	30.0000	71,670				
	小计				71,670				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT FUEL SUPPLY SYSTEM
 FUEL STORAGE DEPOT--- FIRE DIKE(BUILDING WORKS)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE (BUILDING WORKS)		342,252
(2)	OUT-OF-POCKET EXPENSE (BUILDING WORKS)	(1) X 5%	17,113
(3)	OTHER DIRECT EXPENSE (BUILDING WORKS)	((1)+(2)) X 3.5%	12,578
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	371,942
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) X 12%	44,633
(6)	TOTAL (BUILDING WORKS)	(1)+(2)+(3)+(5)	416,575
(7)	PROFIT	(6) X 9%	37,492
(8)	INITIAL EXPENSE	(4) X 3%	11,158
(9)	ADJUSTMENT EXPENSE OF LABOR	LABOR-DAY X 2.4	8,801
(10)	SUBSIDY FOR CHARGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	9,168
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	99,705
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	1,937
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	1,894
(14)	TOTAL	(9)+(7)+(8)+(10)+(11)+(12)+(13)	586,731
(15)	OTHER EXPENSE	(4) X 0.5%+(14) X 3%	1,946
(16)	TAX AND DUTIES	((14)+(15)) X 3.41%	20,074
(17)	CONSTRUCTION COST	(14)+(15)+(16)	608,751

Estimated Total Quantity

Shanghai Pudong International Airport Project (Fuel Storage L . . .)
Fire Dike (Building Works)

编号	名称	工程量	单位	单价	总价	人工数	材料费	主材差	备注
基础、打桩工程									
1-8	人工挖土一立方米	151,750	立方米	2.10	3,186.50	104.11			
小计				1.12	1,112	104.11			
挖、地、填方工程									
1285	挖填土方(20米以内)	9,520	平方米	5.70	54,164.00	8.52	4,136.60	32,527	
1119	挖填土方(20米以上)	2,000,880	平方米	46.91	93,943,692.00	254.28	14,263,690.00	8,272,400	
小计				19,328	14,807,320	262.80	14,807,320	8,597,107	
附属工程									
11018	砖砌围墙一砖	2,476,000	平方米	75.03	185,774.00	3,299.52	145,737.36	93,043.62	
小计				185,774	145,737.36	3,299.52	145,737.36	93,043.62	
合计				206,244	160,544.68	3,666.76		101,641.28	
土方机械进出场费									
	履带式电动挖土机(履斗挖土机)	1,000	台次	859	859,000.00				
小计				859	859,000.00				
土方及泥浆外运									
	土方运费(浦东及浦东内环线外)	4,505,000	立方米	30.00	135,150.00				
小计				135,150	135,150.00				

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT (FUEL SUPPLY SYSTEM)

FUEL STORAGE DEPOT

FUEL STORAGE TANK FOUNDATION(100000M³)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE		738,389
(2)	OUT-OF-POCKET EXPENSE	(1)X.5%	36,919
(3)	OTHER DIRECT EXPENSE	((1)+(2))X3.5%	27,136
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	802,444
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3))X12%	96,293
(6)	TOTAL	(1)+(2)+(3)+(5)	898,738
(7)	PROFIT	(6)X9%	80,886
(8)	INITIAL EXPENSE	(4)X3%	24,073
(9)	ADJUSTMENT EXPENSE OF LABOUR	LABOUR-DAY X 2.4	12,048
(10)	SUBSIDY FOR CHANGE OF CONSTRUCTION SITE	LABOUR-DAY X 2.5	12,550
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL -TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	259,811
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) -TOTAL BUDGETARY PRICE (93)	14,009
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING X 4.81%+ FOR PILING X 17.25%	45,717
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	1,347,832
(15)	OTHER-EXPENSE	(4) X 0.5%+(14) X 3%	4,445
(16)	TAX AND DUTIES	((14)+(15))X3.41%	46,113
(17)	CONSTRUCTION COST	(14)+(15)+(16)	1,398,390
(18)	GRAND TOTAL	6X(17)	8,390,338

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT (FUEL SUPPLY SYSTEM)

FUEL STORAGE DEPOT

FUEL STORAGE TANK FOUNDATION(2*100M³)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE		21,998
(2)	OUT-OF-POCKET EXPENSE	(1) X 5%	1,100
(3)	OTHER DIRECT EXPENSE	((1)+(2)) X 3.5%	808
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	23,906
(5)	COMBINED INDIRECT EXPENSE	((1)+(2)+(3)) X 12%	2,869
(6)	TOTAL	(1)+(2)+(3)+(5)	26,775
(7)	PROFIT	(6) X 9%	2,410
(8)	INITIAL EXPENSE	(4) X 3%	717
(9)	ADJUSTMENT EXPENSE OF LABOUR	LABOR-DAY X 2.4	497
(10)	SUBSIDY FOR CHANGE OF CONSTRUCTION SITE	LABOR-DAY X 2.5	518
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL - TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	5,771
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) - TOTAL BUDGETARY PRICE (93)	427
(13)	COMPENSATION FOR MINOR MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18% + FOR HOISTING X 4.81% + FOR PILING X 17.25%	215
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	37,330
(15)	OTHER EXPENSE	(4) X 0.5% + (14) X 3%	124
(16)	TAX AND DUTIES	((14)+(15)) X 3.41%	1,277
(17)	CONSTRUCTION COST	(14)+(15)+(16)	38,731

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT (FUEL SUPPLY SYSTEM)

FUEL STORAGE TANK FOUNDATION(2*100M³)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE		21,998
(2)	OUT-OF-POCKET EXPENSE	$(1) \times 5\%$	1,100
(3)	OTHER DIRECT EXPENSE	$((1)+(2)) \times 3.5\%$	808
(4)	SUB-TOTAL OF DIRECT EXPENSE	$(1)+(2)+(3)$	23,906
(5)	OVERALL COMPREHENSION DEAD CHARGE	$((1)+(2)+(3)) \times 12\%$	2,869
(6)	TOTAL	$(1)+(2)+(3)+(5)$	26,775
(7)	PROFIT	$(6) \times 9\%$	2,410
(8)	INITIAL COST	$(4) \times 3\%$	717
(9)	LABOR RATE VARIANCE	LABOR-DAY \times 2.4	497
(10)	CONSTRUCTION CURRENT SUBSIDY	LABOR-DAY \times 2.5	518
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL - TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	5,771
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) - TOTAL BUDGETARY PRICE (93)	427
(13)	COMPENSATION FOR SECONDARY MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING \times 4.81%+ FOR PILING \times 17.25%	215
(14)	TOTAL	$(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)$	37,330
(15)	OTHER EXPENSE	$(4) \times 0.5\% + (14) \times 3\%$	124
(16)	TAX AND DUTIES	$((1)+(15)) \times 3.41\%$	1,277
(17)	CONSTRUCTION COST	$(14)+(15)+(16)$	38,731

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT (FUEL SUPPLY SYSTEM)
FUEL STORAGE TANK FOUNDATION(10000M³)

UNIT: RMB YUAN

NO.	ITEM	FORMULA	COST
(1)	DIRECT EXPENSE		738,389
(2)	OUT-OF-POCKET EXPENSE	(1) × 5%	36,919
(3)	OTHER DIRECT EXPENSE	((1)+(2)) × 3.5%	27,136
(4)	SUB-TOTAL OF DIRECT EXPENSE	(1)+(2)+(3)	802,444
(5)	OVERALL COMPREHENSION DEAD CHARGE	((1)+(2)+(3)) × 12%	96,293
(6)	TOTAL	(1)+(2)+(3)+(5)	898,738
(7)	PROFIT	(6) × 9%	80,886
(8)	INITIAL COST	(4) × 3%	24,073
(9)	LABOR RATE VARIANCE	LABOR-DAY × 2.4	12,048
(10)	CONSTRUCTION CURRENT SUBSIDY	LABOR-DAY × 2.5	12,550
(11)	COMPENSATION FOR MAIN MATERIAL	TOTAL CONTRACT PRICE FOR MAIN MATERIAL - TOTAL BUDGETARY PRICE FOR MAIN MATERIAL	259,811
(12)	COMPENSATION FOR MACHINE-TEAM	TOTAL BUDGETARY PRICE (96) - TOTAL BUDGETARY PRICE (93)	14,009
(13)	COMPENSATION FOR SECONDARY MATERIAL	MATERIAL EXPENSE FOR BUILDING WORKS 1.18%+FOR HOISTING × 4.81%+ FOR PILING × 17.25%	45,717
(14)	TOTAL	(6)+(7)+(8)+(9)+(10)+(11)+(12)+(13)	1,347,832
(15)	OTHER EXPENSE	(4) × 0.5%+(14) × 3%	4,445
(16)	TAX AND DUTIES	((14)+(15)) × 3.41%	46,113
(17)	CONSTRUCTION COST	(14)+(15)+(16)	1,398,390

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT (FUEL SUPPLY SYSTEM)
FUEL STORAGE TANK FOUNDATION(2*100M²)

UNIT: RMB YUAN

序 号	定 额 编 号	名 称	单 位	数 量	单 价	合 价	其 中						工 日	
							人 工 费 (元)		材 料 费 (元)		机 械 费 (元)			主 材 价 差
							单 价	合 价	单 价	合 价	单 价	合 价		
1	建1-10	平整场地	m ²	58.00	0.77	44.66							4	
2	建1-3	人工挖地槽(1m以内)	m ³	35.00	4.00	140.00							13	
3	建8-10	砖垫层	m ³	4.52	156.16	705.84	139.53	630.68	2.13	9.63	403.01		6	
4	建5-3	钢筋混凝土带形基础	m ³	4.87	350.08	1704.89	97.35	313.01	1524.36	17.08	83.18	1087.36	9	
5	建5-34	垫层梁	m ³	5.96	554.10	3302.44	56.12	334.48	471.35	2809.25	26.63	158.71	1317.24	29
6	建5-27	柱钢筋混凝土	m ³	2.40	701.22	1682.93	91.33	219.19	574.58	1378.99	35.31	84.74	936.49	19
11	建5-39	圈梁钢筋混凝土	m ³	5.62	635.00	3568.70	88.64	498.16	510.76	2870.47	35.60	200.07	1280.88	47
11	建1-8	人工回填土	m ³	44.00	2.41	106.04	2.41	106.04						
9	建13-30	钢平台	m ²	3.1	3141.15	9737.57	258.49	801.32	2623.04	8131.42	259.62	804.82	236.45	70
10	建13-37	钢梯	m ²	0.45	2232.70	1004.72	187.12	84.20	1916.96	862.63	128.62	57.88	509.85	10
合 计						21997.78	2390.94	18207.80	1399.04	5771.27	207			

编 制: 张 天 河
校 核: 张 合 清

ESTIMATED TOTAL QUANTITY

SHANGHAI PUDONG INTERNATIONAL AIRPORT PROJECT (FUEL SUPPLY SYSTEM)
FUEL STORAGE TANK FOUNDATION(10000M³)

UNIT: RMB YUAN

序 号	定 额 编 号	名 称	单 位	数 量	单 价	合 价	其 中				主材价差	工 日		
							人 工 费 (元)		材 料 费 (元)				机 械 费 (元)	
							单 价	合 价	单 价	合 价			单 价	合 价
1	建1-9	挖淤泥	m ³	302.50	15.86	4797.65	11.60	3509.00	4.26	1288.65		333		
2	建1-8	沟、渠回填土	m ³	1948.00	2.41	4694.68	2.41	4694.68				429		
3	建1-10	平整场地	m ²	1400.00	0.77	1078.00	0.77	1078.00				98		
4	建2-88/89	水泥土搅拌桩(15%)	m ³	3297.03	103.36	340781.02	7.18	23672.68	68.36	225384.97	27.82	91723.37	126150.96	1985
5	建1-23	挖地槽(有垫层,0.5m)	m ³	481.00	7.56	3636.36	1.11	533.91	6.45	3102.45			49	
6	建8-1	中、粗砂垫层	m ³	363.17	69.57	25265.74	5.35	1942.96	63.99	23239.25	0.23	83.53	7705.01	177
7	建5-9	底板钢筋混凝土	m ³	506.3	525.20	265908.76	22.37	11325.93	487.60	246871.88	15.23	7710.95	86474.90	999
8	建5-35	环墙钢筋混凝土	m ³	48.72	597.93	29131.15	71.00	3459.12	491.33	23937.60	35.60	1734.43	13300.38	300
9	建8-1	中、粗砂垫层	m ³	701.55	69.57	48806.83	5.35	3753.29	63.99	44892.18	0.23	161.36	14884.08	341
10	S3-3-39换	沥青胶砂垫层	m ³	78.32	151.02	11827.89	31.62	2476.48	94.30	7385.70	25.10	1965.83	10331.22	236
11	建3-1	碎基层	m ³	11.22	139.52	1565.41	13.70	153.71	125.14	1404.07	0.68	7.63	855.80	14
12	建8-71/73	找面层(6cm)	m ²	20.25	15.54	314.69	2.61	52.85	12.51	253.33	0.42	8.51	109.06	8
13	建1-8	人工回填土	m ³	241.00	2.41	580.81	2.41	580.81					53	
合 计						738388.99		57233.42		577760.08		103395.61	259811.41	5020

注: 示计地槽抬高填土费用

编 制:

校 核: