

Community Fund for the Promotion of Basic Education and Community Infrastructure

Energy Efficiency and renewable Energies

Value Increase by SolarCollectors and installation of circulating heating system





Energy Efficiency and renewable Energies



без похвалой

## **ESTIMATED COST**

# Measure B - Support by Heating "facadecollectors"

project: COMM	110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND
client:	NSIFT
planing:	ba-K
supplier:	
Total offer	netto:
Total approve	d netto: 0%% charge: brutto:

22.09.20	)11	Seite 2
project:	110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND CO	DMM
client:	NSIFT ba-K	
LV:	Measure B - Support by Heating "facadecollectors"	
Pos.Nr.	Einheitspr. Ge	samtpr.
	I v: Measure B - Support by Heating "facadecollectors"	
	Calculation for:	
	- School	
	- Classes: 8	
	- Width: 14.56 m	
	- Length: 39,36 m	

22.09.20	)11 Sei	ite 3
project:	110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND COMM	
client:	NSIF I ba-K	
LV:	Measure B - Support by Heating "facadecollectors"	
1.1 Clas	sroom	
Pos.Nr.	Einheitspr. Gesam	tpr.
1	Bereich: 1 Classroom	
	components for a classroom. It should thus be represented as	
	the cost of 1 ventilation element, consisting of:	
	- Earth collector	
	- Power supply	
	- Structural changes	
	In Bereich 2, the cost of calculation identified in Bereich 1, are used for the additional components.	
	Reason: Through naming of "unit price for 1 air heater" is increased the pre-requisites and and you can quickly calculate changes (e.g. 10-class school instead of 8 classes)	

22.09.2011			Seite 4
project: 1	0601-A COMMUNITY FUND FOR THE PROMOTIC	ON OF BASIC EDUCA	TION AND COMM
planing ba	51F I I-K		
LV: M	easure B - Support by Heating "facadecollectors"		
1.1 Classr 1.1. Faca	oom de installated Air-Collector		
Pos.Nr.		Einheitspr.	Gesamtpr.
1.1.	Titel: Facade installated Air-Collec	ctor	
1.1.1.	material for construction, wooden		
	1,00 piece		
1.1.2.	material, suction		
	tubes, screws, ventilator, etc		
1.1.3.	material, coverpanel		
	transparent board in glass or polycarbonat		
1.1.4.	absorber		
	1,00 piece		
1.1.5.	others		
	1,00 piece		
1.1.6.	working capacity		
	produced in series, 12 h/piece		
	1,00 piece		
	Summe Titel 1.1. Facade insta	allated Air-Collector	

22.09.2011				Seite 5
project: 1 <sup>2</sup> client: N	10601-A COMMUNITY FUND FOF SIFT	R THE PROMOTIO	ON OF BASIC EDUCA	TION AND COMM
LV: M	easure B - Support by Heating "fac	cadecollectors"		
1.1 Classr 1.2. elect	oom ricitv			
Pos.Nr.			Einheitspr.	Gesamtpr.
1.2.	Titel: electricity			
1.2.1.	control system	1,00 piece		
1.2.2.	control system, temperature	1,00 piece		
1.2.3.	<b>pv-modul</b> ca.135 W			
		1,00 piece		
		Summe	Titel 1.2. electricity	

22.09.2011				Seite 6
project: 1 <sup>2</sup> client: N planing ba	10601-A COMMUNITY FUND FOF SIFT a-K	R THE PROMOTIC	ON OF BASIC EDUCA	ATION AND COMM
LV: M	easure B - Support by Heating "fac	cadecollectors"		
1. 1 Classr 1.3. work	s around			
Pos.Nr.			Einheitspr.	Gesamtpr.
1.3.	Titel: works around			
1.3.1.	customiz facade	1,00 piece		
1.3.2.	slapping to classroom	1,00 piece		
1.3.3.	ventilation grid	1,00 St		
		Summe Tite	el 1.3. works around	
		Summe Ber	eich 1. 1 Classroom	

22.09.20	)11	Seite 7
project:	11	0601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND COMM
client:	NS ba	SIFT -K
LV:	Me	easure B - Support by Heating "facadecollectors"
2. additi	ona	al 7 classrooms
Pos.Nr.		Einheitspr. Gesamtpr.
2.		Bereich: additional 7 classrooms
2.1.		work explaind above
		7,00 piece
		Summe Bereich 2. additional 7 classrooms

22.09.20	)11	Seite 8
project:	11	0601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND COMM
client:	N	SIFT
planing	ba M	-K easure B - Support by Heating "facadecollectors"
3. additi	ona	al 2 rooms, teacher, Director
Pos.Nr.		Einheitspr. Gesamtpr.
2		Densieh, edultienel 0 veene teeshen. Divester
3.		Bereich: additional 2 rooms, teacher, Director
3.1.		work explaind above
		2,00 piece
		Summe Bereich 3. additional 2 rooms, teacher, Director

22.09.201	1		Seite 9
project: 1	10601-A COMMUNITY FUND FOR THE PROMOTI	ON OF BASIC EDUCA	TION AND COMM
planing b	a-K		
LV: N	leasure B - Support by Heating "facadecollectors"		
3. rearrang	gement: gravity heating system> circulated sys	stem	
Pos.Nr.		Einheitspr.	Gesamtpr.
3.	Bereich: rearrangement: gravity h	neating system	> circulated s
3.1.	lay pipes in warm rooms		
	more slapping, less installation in roof and basement; no importance of slope		
	1,00 piece		
3.2.	elemination of expansion tank in roof		
	1,00 piece		
3.3.	expansion tank, pressurized		
	1,00 St		
3.4.	reduction of material		
	reduction of tubes		
	136,00 m		

22.09.2011				Seite 10
project: 1	10601-A COMMUNITY FUND FOR	THE PROMOTION	ON OF BASIC EDUCA	TION AND COMM
planing ba	SIFT a-K			
LV: M	easure B - Support by Heating "faca	decollectors"		
3. rearrang 3.1. elect	ement: gravity heating system> ricitv	circulated sys	stem	
Pos.Nr.			Einheitspr.	Gesamtpr.
3.1.	Titel: electricity			
3.1.1.	circulation pump	1,00 piece		
3.1.2.	installation of circulation Pump	1,00 piece		
3.1.3.	control system	1,00 piece		
3.1.4.	control system, temperature	1,00 piece		
3.1.5.	pv-modul	1,00 piece		
3.1.6.	buffer batterie, accumulator	1,00 piece		
		Summe	Titel 3.1. electricity	
Summe Ber	eich 3. rearrangement: gravity he	ating system	> circulated system	
	Summe Lv Measure B - Sup	port by Heating	g "facadecollectors"	

22.09.2011

Seite 11

project: 110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND COMM client: NSIFT planing ba-K LV: Measure B - Support by Heating "facadecollectors"

### Zusammenfassung

Titel 1.1. Facade installated Air-Collector

Titel 1.2. electricity

Titel 1.3. works around

Bereich 1. 1 Classroom

Bereich 2. additional 7 classrooms

Bereich 3. additional 2 rooms, teacher, Director

Titel 3.1. electricity

Bereich 3. rearrangement: gravity heating system --> circulated system

Gesamt netto

zzgl. 0 % MwSt Gesamt brutto

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Bereich 1. 1 Classroom	3
Titel 1.1. Facade installated Air-Collector	4
Titel 1.2. electricity	5
Titel 1.3. works around	6
Bereich 2. additional 7 classrooms	7
Bereich 3. additional 2 rooms, teacher, Director	8
Bereich 3. rearrangement: gravity heating system> circulated system	9
Titel 3.1. electricity	10.

с похвалой

## **ESTIMATED COST**

# Measure B - Support by Heating "facadecollectors"

project: COMM	110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND
client:	NSIFT
planing:	ba-K
supplier:	
Total offer	netto: 0%% charge: brutto:
Total approve	d netto: 0%% charge: brutto:

22.09.20	)11	Seite 2
project:	110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND CO	DMM
client:	NSIFT ba-K	
LV:	Measure B - Support by Heating "facadecollectors"	
Pos.Nr.	Einheitspr. Ge	samtpr.
	I v: Measure B - Support by Heating "facadecollectors"	
	Calculation for:	
	- School	
	- Classes: 8	
	- Width: 14.56 m	
	- Length: 39,36 m	

22.09.20	)11 Sei	ite 3
project:	110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND COMM	
client:	NSIF I ba-K	
LV:	Measure B - Support by Heating "facadecollectors"	
1.1 Clas	sroom	
Pos.Nr.	Einheitspr. Gesam	tpr.
1	Bereich: 1 Classroom	
	components for a classroom. It should thus be represented as	
	the cost of 1 ventilation element, consisting of:	
	- Earth collector	
	- Power supply	
	- Structural changes	
	In Bereich 2, the cost of calculation identified in Bereich 1, are used for the additional components.	
	Reason: Through naming of "unit price for 1 air heater" is increased the pre-requisites and and you can quickly calculate changes (e.g. 10-class school instead of 8 classes)	

22.09.201	1		Seite 4		
project: 110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND COMM					
planing b	planing ba-K				
LV: N 1. 1 Classi	reasure B - Support by Heating "Tacadecollectors"				
1.1. Faca	de installated Air-Collector				
Pos.Nr.		Einheitspr.	Gesamtpr.		
1.1.	Titel: Facade installated Air-Collecto	r			
1.1.1.	material for construction, wooden				
	1,00 piece	120,00	120,00		
1.1.2.	material, suction				
	tubes, screws, ventilator, etc	95.00	8E 00		
	1,00 piece	85,00	85,00		
1.1.3.	material, coverpanel				
	transparent board in glass or polycarbonat	220.00	220.00		
		220,00	220,00		
1.1.4.	absorber	140.00	140.00		
		140,00	140,00		
1.1.5.	others	50.00	50.00		
	1,00 piece	50,00	50,00		
1.1.6.	working capacity				
	1.00 piece	20.00	20.00		
	Summo Titol 1.1. Eccordo inotollot	Logitar Collector	625.00		
			635,00		

22.09.2011 Seite 5				
project: 110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND COMM				
planing ba-K				
easure B - Support by Heating "fac	cadecollectors"			
ricity				
		Einheitspr.	Gesamtpr.	
Titel: electricity				
control system	1,00 piece	35,00	35,00	
control system, temperature	1,00 piece	40,00	40,00	
<b>pv-modul</b> ca.135 W				
	1,00 piece	450,00	450,00	
	Summe T	itel 1.2. electricity	525,00	
	I0601-A COMMUNITY FUND FOR SIFT a-K easure B - Support by Heating "far oom ricity Titel: electricity control system control system, temperature pv-modul ca. 135 W	00601-A COMMUNITY FUND FOR THE PROMOTION SIFT A-K easure B - Support by Heating "facadecollectors" oom ricity Titel: electricity control system 1,00 piece pv-modul ca.135 W 1,00 piece Summe T	00601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION SIFT ACTION SUPPORT BY Heating "facadecollectors" Titel: electricity control system 1,00 piece 1,00 piece 40,00 pv-modul ca.135 W 1,00 piece 450,00 Summe Titel 1.2. electricity	

22.09.2011				Seite 6
project: 1 <sup>2</sup> client: N planing ba	10601-A COMMUNITY FUND F SIFT a-K	OR THE PROMOTION	OF BASIC EDUCATION	AND COMM
LV: M	easure B - Support by Heating '	"facadecollectors"		
1. 1 Classr 1.3. work	oom s around			
Pos.Nr.			Einheitspr.	Gesamtpr.
1.3.	Titel: works around			
1.3.1.	customiz facade	1,00 piece	30,00	30,00
1.3.2.	slapping to classroom	1,00 piece	15,00	15,00
1.3.3.	ventilation grid	1,00 St	20,00	20,00
		Summe Titel 1.	3. works around	65,00
		Summe Bereic	h 1. 1 Classroom	1.225,00
l I				

22.09.20	11			Seite 7
project:	110601-A COMMUNITY F	UND FOR THE PROMOTION	OF BASIC EDUCATION	AND COMM
planing	NSIF I ba-K			
LV:	Measure B - Support by He	eating "facadecollectors"		
2. additio	onal 7 classrooms			•
Pos.Nr.			Einheitspr.	Gesamtpr.
2.	Bereich: additio	onal 7 classrooms		
2.1.	work explaind above			
		7,00 piece	1.225,00	8.575,00
		Summe Bereich 2. addition	nal 7 classrooms	8.575,00

22.09.20	22.09.2011 Seite 8			
project:	110601-A COMMUNITY FUND F	OR THE PROMOTION	OF BASIC EDUCATION	AND COMM
client:	NSIFT			
LV:	Measure B - Support by Heating	'facadecollectors"		
3. additio	onal 2 rooms, teacher, Director			
Pos.Nr.			Einheitspr.	Gesamtpr.
3	Bereich: additional 2	rooms teacher	r Director	
			, = = = = = = = = = = = = = = = = = = =	
3.1.	work explaind above			
		2,00 piece	1.225,00	2.450,00
	Summe Bereich	3 additional 2 rooms t	eacher Director	2 450 00

22.09.2011				Seite 10
project: 110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION AND COMM				
planing ba	a-K			
LV: M	easure B - Support by Heating "faca	decollectors"	n	
3.1. elect	ricity			
Pos.Nr.			Einheitspr.	Gesamtpr.
3.1.	Titel: electricity			
3.1.1.	circulation pump	1,00 piece	150,00	150,00
3.1.2.	installation of circulation Pump	1,00 piece	40,00	40,00
3.1.3.	control system	1,00 piece	40,00	40,00
3.1.4.	control system, temperature	1,00 piece	60,00	60,00
3.1.5.	pv-modul	1,00 piece	650,00	650,00
3.1.6.	buffer batterie, accumulator	1,00 piece	200,00	200,00
		Śummo Ti	tol 3.1 oloctricity	1 140 00
		Summe m		1.140,00
Summe Ber	eich 3. rearrangement: gravity he	ating system> c	irculated system	1.012,80
	Summe Lv Measure B - Sup	port by Heating "f	acadecollectors"	13.262,80

22.09.2011	Seite 11			
project: 110601-A COMMUNITY FUND FOR THE PROMOTION OF BASIC EDUCATION client: NSIFT planing ba-K LV: Measure B - Support by Heating "facadecollectors"	ON AND COMM			
Zusammenfassung				
Titel 1.1. Facade installated Air-Collector635,00				
Titel 1.2. electricity				
Гitel 1.3. works around 6				
Bereich 1. 1 Classroom				
Bereich 2. additional 7 classrooms				
Bereich 3. additional 2 rooms, teacher, Director				
Titel 3.1. electricity				
Bereich 3. rearrangement: gravity heating system> circulated system				

Gesamt netto	13.262,80

zzgl. 0 % MwSt	0,00

Gesamt brutto 13.262,80

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