ANNUAL WORK PLAN

UNDP/GEF Full-Sized Project "Improving Energy Efficiency in Residential Buildings in Turkmenistan" **Period:** 01.01.2014 - 31.12.2014

Budget: 659,716 USD

Source of financing: GEF/UNDP

		STs)	struction standards (GOSTs)	Development of national standards of Turkmenistan and their introduction into the register of state constr		
2,000	75700-Training, Seminars			СНТ «Строительная климатология».		
	publications			- OCCANDERING TOWNSHIP THE THE THEORY OF THE STANDARD THE THE THEORY OF THE THE THEORY OF THE THE THEORY OF THE THE THEORY OF TH	kWh/m² per year.	KWh.
1.000	74200-Printing and			Printing of news-letters on the revised SNTs.	the U-148 series consume 21.2	the C
				 Finalization of the draft document of the SNT, taking account of notes and comments. 	By the end of the project period, new and renovated buildings of	new
		expert), Organizational developer, I. Terekhova (IC building codes)		- Receipt of notes and comments on the revised SNT.	-	 ; :
2,000	75700-Training, Seminars	M. Bayramo: (building code		Climatology?	eille residential buildings); Level 1 is no longer applicable.	is no
				Climatology". Distriction of the draft of t	Level 2 for all buildings (from 5 to 10 percent less than Level 2 for	10 p
				- Collection and analysis of necessary input information.	energy at Level 2 or lower than	ener
				- Development of a preliminary plan and contents of the SNTs under revision.	New codes and regulations	New
50,000	72100-Contracted services	expert), I. At-muradova (Componen, Manager, UNDP)		Date:	1.5.2	
		M Bayramov (huilding code			Chinatology» revised by the end of	2 2
10,500	71200-International Consultant	M. Bayramov (building code expert), Ministry of Construction, I. Atamurado./a (UNDP Component I/lanager), I. Terekhova (IC building codes)		- Preparation of Terms of Reference for revision of the SNTs.	Rooling adopted and confirmed in 2014. The SNT «Building Thermal Engineering» and «Building Climatellouis revised by the end of	Roofii 2014. The S Engin
		Ministry of Construction		- Determination of the organization that will develop the SNT ["organizational developer"].	Buildings" and "Roofs and	Build
				Revision of SNT "Building Thermal Engineering" and SNT "Building Climatology"	Indicator 1: Revised national	ind.
		Ministry of Construction		- Confirmation of new edition of SNT "«Residential Buildings" and SNT "Roofs and Roofing".	•	
		M. Bayramcy (building code expert), Ministry of Construction, I. Atamuradova (Component Manager, UNDP)		- Signing of a Protocol/Agreement on development of new building codes of Turkmenistan and methodological instructions for the new SNT with the Ministry of Construction.	adopted and supporting capacity for building code enforcement is strengthened	ado for b
		alls for energy efficiency, as well	one-ballander (Gilliana-alo	as associated calculation methodology.	requirements for energy	requ
86,500		GEF Total	ale building manin	1.2.2. Development of new building codes on thermal performance of buildings including full	Output 1.2 More stringent	ဍ
4,000	75700-Training, Seminars	75700-Traini				
500	ellaneous	74500-Miscellaneous		•		
1,000	74200-Printing and publications	74200-Printin		Energy consumption in new buildings is reduced relative to existing requirements.		
50,000	72400-Contracted services	72400-Contr		Outcome 1:		
19,000	71400-Individual contracts	71400-Indivi				
10.500	71200-International Consultant	71200-Intern				
(USD)	description and budget code)		۵ ۵		Sp	Γ.
Amount	Budget description	RESPONSIBLE PARTIES	ω	Activity results and associated actions	annual indicators. with	
DGET	PLANNED BUDGET		TIME FRAME		-	
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Continued of the physical of development of development of individual standards on enemy Continued on enemy Continued of the physical of development of development of development of individual standards on enemy Continued on enemy			A Zamou favorus mudit avacut)		the cities of Turkmenistan	Energy audits of selected residential buildings in	1.5.2	energy consumption in the residential building stock.
Subj and preparation of economerobations on the development of instinual standards on energy Commercial Code				g buildings.	rch on the potential for energy efficiency in existing	2.1.1: Preparation of multidimensional resea		the most feasible ways to reduce
- Study and preparation of recommendations on the development of entirol standards on energy consequency. - Priorition of development and implementation of studious standards on energy persport and constitution of recommendations. - Priorition of development and single-implementation of studious standards on energy persports and classification of rever and movement of the control of energy persports and classification of rever and movement of the control of energy persports and classification of rever and movement of the control of energy persports and classification of rever and movement of the control of energy persports and classification of reversions. - Previous processory consumption. - Development of conditions for completion filling in id energy persport to energy consumption. - Development of a railing system for hundring of silling system for new and renovated buildings. - Development of conditions for completion of its shelling system for new and renovated buildings. - Development of conditions for completion of a labeling system for new and renovated and existing residential buildings. - Development of conditions to application of a labeling system for new and renovated and existing residential buildings. - Preparation of recommendations on application of a labeling system for new and renovated and existing residential buildings. - Preparation of recommendations on application of a labeling system for new and renovated and existing residential buildings code existing shalldings. - Preparation of recommendations on application of a labeling system for new and renovated and existing residential buildings code existing shalldings. - Preparation of recommendations on application of a labeling system for new and renovated and existing residential buildings code existing shalldings. - Preparation of recommendations on application of a labeling system for new and renovated and existing residential conditions. - Prevention of remarks for system for the studient processory investment to a feet	Amount (USD)	(including description and budget code)	RESPONSIBLE PARTIES	Q 2 Q 3			SP with	annual Indicators.
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- Study and preparation of recommendations on the development of national standards on energy conservation. - Promotion of development and implementation of national standards on energy conservation in the register of GOSTs. - Promotion of development and implementation of national standards on energy conservation in the register of GOSTs. - Promotion of development of conditions for energy passports and classification of new and renovated buildings, as well as technical methodologies for calculation and assignment of energy-efficiency ratings. - Conservation. - Conservation. - Construction in the register of conditions for energy passports and classification of new and renovated buildings, as well as technical methodologies for calculation and assignment of energy-efficiency ratings. - Conservation. - Conservation. - Construction - Constru			I. Terekhova (IC building codes)		ng in] of energy passports for new and renovated	- Development of conditions for completion [filli	1.5.2	system developed in accordance
- Study and preparation of recommendations on the development of national standards on energy conservation. - Promotion of development and implementation of national standards on energy conservation in the register of GOSTs. - Promotion of development and implementation of national standards on energy conservation in the register of GOSTs. - Promotion of development of conditions for energy passports and classification of new and renovated buildings, as well as technical methodologies for calculation and assignment of energy-efficiency ratings. - Activities will be carried out within the framework of revision of SNT «Building Thermal Engineering» - Output 1.2 - Development of technical methodology for classification of residential buildings with regard to energy consumption			M. Bayramov (building code		ner with drafts of revised SNT.	- Finalization of a model energy passport toget		Indicator 1: Energy Passport
- Study and preparation of recommendations on the development of national standards on energy conservation. - Promotion of development and implementation of national standards on energy conservation in the register of GOSTs. - Promotion of development and implementation of national standards on energy conservation in the register of GOSTs. - Promotion of development and implementation of national standards on energy conservation in the register of construction of the register of GOSTs. - Study and preparation of the development of construction of national standards on energy conservation in the register of construction of the register of GOSTs. - Activities will be carried out within the framework of revision of SNT «Building Thermal Engineering» - Output 1.2					ssification of residential buildings with regard to	Development of technical methodology for classification energy consumption		construction
- Study and preparation of recommendations on the development of national standards on energy				Output 1.2	rk of revision of SNT «Building Thermal Engineering» -	Activities will be carried out within the framewo		instruments developed to promote
- Study and preparation of recommendations on the development of national standards on energy conservation. - Promotion of development and implementation of national standards on energy conservation in the register of GOSTs. M. Bayramov (building code expert), Mini ity of Construction			echnical methodologies for	buildings, as well as te	passports and classifcation of new and renovated ency ratings.	1.3.1: Development of conditions for energy calculation and assignment of energy-effici		Output 1.3 Energy Passport system and other policy
reparation of recommendations on the development of national standards on energy		72100-Contracted services	expert), Ministry of Construction		n of national standards on energy conservation in	Promotion of development and implementation the register of GOSTs.		
			M. Bayramov (building code		n the development of national standards on energy	 Study and preparation of recommendations of conservation. 		

- Summarizing and learned, summari	2.2.4: Preparation management.	Preparation of tr	Preparation of the	2.2.3: Delivery of	publication of this	1		П	1.4.2	Indicator 2: At least 30 Discussion of the professionals, including staff of		energy management developed Development of g	9		- Study and analk	<u>w</u>	and determination of energy Development of a	- 	- Oversight over omeasurement of	2.1.2: Monitoring	- Presentation of information	- Finalization of the	- Preparation and agencies for revie	- Determination o in the residential	- Definition of me	of b	Lest et al.		 I- : I	
- Summarizing and publication of materials on energy audit, including results and lessons learned, summarized and published on a page of the project's website and news-letters.	ons lea	Preparation of training materials on energy management; and delivery of training seminar:	- Preparation of training materials on energy audit and delivery of training seminar.	2.2.3: Delivery of training seminars on energy management and energy audit for interested parties.	 Dissemination among interested agencies of final version of methodology for energy audit and publication of this methodology on a page of the the project's website. 	Finalization and confirmation of methodology on energy audit, taking account of notes from interested organizations, and sent for confirmation.	- Presentation of methodology on energy audit to interested organizations for review and agreement.	Correction of the methodology on energy audit with addition of a section on cooling.	2.2.2: Correction and confirmation of the methodology of energy audit.	Discussion of the general energy management plan with national partners.	 - Preparation of the report and recommendations to plan and implement energy-management for existing residential buildings of Turkmenistan. 	Development of general recommendations to plan and implement the energy-management	- Discussion of the energy management plan with national partners:	- Development of an energy management for the complex of buildings.	Study and analisys of data and information on the pitot complex of buildings.	 Carrying out of consultations with national partners and selection of a pitot complex of buildings, assignment of a representative from Residential buildings management unit to assist the activity. 	Development of an energy management plan for a pilot complex of buildings	2.2.1: Development of recommendations on a system of energy management and monitoring of energy consumption in existing residential buildings.	 Oversight over energy consumption in 6 existing residential buildings, equipped with devices for measurement of building-level energy consumption. 	2.1.2: Monitoring and assessment of energy consumption in selected typical buildings over the whole period of project implementation.	 - Presentation of a final version of the report to interested ministries and agencies, for their information 	- Finalization of the report, taking account of received notes and recommendations.	 Preparation and presentation of a report on obtained results to interested ministries and agencies for review and issuance of notes and recommendations. 	 Determination of the potential for cost-effective reduction of energy consumption on the whole in the residential building stock of Turkmenistan. 	- Definition of measures for reduction of energy consumption in buildings being audited.	Collection of energy-related information and assessment of energy consumption in selected uitings.	 Determination of the organization responsible for implementation of energy audits [Executing organization]. 	- Preparation of Terms of Reference for conducting energy audits.	Procurement of equipment for conduction of energy audits.	
A. Zomov (energy audit expert), I. Atamuradová (Component	ned after energy audits and activities oા energy		A. Zomov (energy audit expert)		A. Zomov (ei ergy audit expert), I. Atamuradova (Component Manager, UNDP)			A. Zomov (energy audit expert)			A. Zomov (energy audit expert)	- British Colonia				A. Zomov (energy audit expert), Ministry of Communal Services		ergy consumption in existing residential buildings.	A. Zomov (energy audit expert)	ole period of project implementation.	A. Zomov (energy audit expert)					A. Zomov (e: ergy audit expert), Executing organization		Manager, UNDP)	A. Zomov (energy audit expert), I.	
74200-Printing and publications		75700-Training, Seminars	75700-Training, Seminars							75700-Training, Seminars			75700-Training, Seminars			75700-Training, Seminars											72100-Contracted services		72200-Eqipment	_
500		1,000	1,000							500			500			1,000											50,000		40,000	_

		construction"				ues iĝi.		building begun by the end of 2014.
		M. Akhmedov (construction				- Preparation of separate cost-estimation documentation of energy-conservation measures of the		Construction of one 66-unit
		expert), SC "curkmen oil&gas construction", S. Terekhov (IC on building design)				with the illicitiational consultant.		an eite (174-unit) building completed and monitoring begun by the end of 2014.
		M. Akhmedo: (construction				- Completion of development and agreement on initial design and cost-estimation documentation		building of the U-148 series and
						Pilot elite 12-story 66-unit residential building		Indicator 3: Construction of a
		construction", S. Terekhov (IC on building design)				 Signing of Protocol/Agreement with the client Turkmenneftegazstrol on implementation of energy-conservation measures. 		bo-unit).
	72100-Contracted services	M. Akhmedoy (construction expert), SC "Turkmen oil&gas			lu .	 Preparation and conclusion of a contract with the contractor « turkmennettegazstrow for implementation of energy-conserving measures. 		buildings completed (114-unit and
		construction", I. Atamuradova (Component Manager, UNDP)	<u> </u>				1.5.2 7.7.3	built by the end of 2014
		M. Akhmedov (construction				 Preparation of a separate design and cost estimate of energy-conservation measures of the design 		building construction designed and
	Consultant	construction", S. Terekhov (IC on building design)						and 5 percent less than required by prevailing best practices of elife
14.000	71200-International	M. Akhmedov (construction expert), SC "Turkmen oil&gas				 Development and agreement on initial design and cost-estimation documentation with the international consultant. 		design energy consumption 15 percent less than required by code
				-		Pilot elite 12-story 114-unit residential building		Indicator 1:2 pilot buildings with
		5.	residential buildings.	ential I	ot resid	3.1.4: Development of initial design and cost estimation documentation for construction of pilot	•	מותומנים מסוקווכם מווע ניטור
		A. Zomov (energy audit expert)	- <u>-</u> .			 Correction of calculations of baselines for 3 selected pilot buildings, taking account of parameters of heat supply and cooling. 		significantly improved energy
						3.1.2: Calculation of energy consumption base line for pilot residential buildings.		Cutput 3.1 Three new multifamily
	budget code)	7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8		_	L	THE PARTY OF THE P		
(USD)	(including description and		<u>، ه</u>	۸ Q	စ -		ş	WALLACT STATEMENT
Amount	Budget description	RESDONSIBLE DARTIES				Activity results and associated actions	with	Including baseline data and annual indicators
)GET	PLANNED BUDGET		Ŕ	TIME FRAME	=	PLANNED ACTIVITIES	Connec	EXPECTED INTERIM OUTPUTS
253,000	9	GEF Total						
4.000	75700-Training, Seminars	75700-Train						
1,000 500	74200-Printing and publications 74500-Miscellaneous	74200-Printing and pu				or an early gove		
1,500	72400-Communications, Internet	Ι.	9	9	9	buildings		
200,000	72100- Contracted services	nd reconstructed residentia; 72100- Contra	structo	2002	and r	Outcome 3: Energy-efficient design and technologies are incorporated and visually demonstrated in new a	efficient o	Outcome 3: Energy-
22,000	71400-Individual contracts	71400-indivi						
14,000	71200-International Consultant							
		expert), IC ca economic assessment				- Development of investment plan outline.		
		M. Bayramov (building code				Carrying out of consultations with national stakeholders on development of investment plan.		
10,000	71200-International Consultant	I. Atamuradova (Component Manager, UNDP)				- International consultant on economic assessment contracted:		
		(ICTA)				approval obalileo.		
		l. Atamuradova (Component				Terms of Reference for an international consultant on economic assessment developed, and		
					y audits	Assessment of an investment plan for the residential building stock according to the results of energy audits		
		(construction, reconstruction)	n, recon	truction		2.2.5: Development of an investment plan on energy efficiency in the residential building stock		
500	74200-Printing and publications	Manager, UNDP)				 Summarizing and publication of materials on energy management, including results and lessons learned, summarized and published on a page of the project's website and news-letters. 		
				-	-			

								,,,,																				
- Printing of news-letters on demo-buildings for construction.	- Documentation of important steps of design and construction for each pilot building.	3.1.9: Continual documentation of the process of design and construction of the 3 pilot residential buildings.	 Regular measurement of indices of energy consumption, temperature, solar radiation, etc. 	Pilot elite 12-story 114-unit residential building	 Regular measurement of indices of energy consumption, temperature, solar radiation, etc. 	Pilot 9-story 54-unit residential building of the U-148 series	3.1.6: Monitoring and assessment of energy consumption in pilot residential buildings.	 Implementation of oversight over execution of energy-conservation measures, with visits to the construction site 1-2 times per week. 	 Implementation of construction work, in accordance with the timetable of work on energy- conservation measures. 	Pilot elite 12-story 66-unit residential building	- Entry into operation of the residential building.	- implementation of oversight over execution of energy-conservation measures, with visits to the construction site 1-2 times per week.	conservation measures.	Pilot elite 12-story 114-unit residential building	- Entry into operation of the residential building.	- Implementation of oversight over execution of energy-conservation measures, with visits to the construction site 1-2 times per week.	- implementation of construction work, in accordance with the timetable of work on energy-conservation measures.	Pilot 9-story 54-unit building of the U-148 series	3.1.6: Construction and oversight over construction of the pilot residential buildings.	 Study possibilities to construct energy-efficient typical private house and carrying out of consultations with national partners. 	Typical private house for rural area	- Support for the process of admission and passage of design documentation through the State Building Plan Inspection Agency [Cosekspertiza].	Pilot elite 12-story 66-unit residential building	- Support for the process of admission and passage of design documentation through the State Building Plan Inspection Agency [Gosekspertiza].	Pilot elite 12-story 114-unit residential building	3.1.5: Receiving of permission for construction of the pilot residential buildings.	- Signing of a Protocol/Agreement with the client Turkmenneflegazstroi on implementation of energy-conservation measures.	- Preparation and conclusion of a contract with the contractor - Private company "Dovamat" for implementation of energy-conservation measures.
		al buildings.																										
M. Akhmedov (construction expert)	M. Akhmedov (construction expert)		M. Akhmedov (construction expert), A. Zomov (energy audit expert		M. Akhmedov (construction expert), A. Zomov (energy audit expert		ı	M. Akhmedov (construction expert)	Private company "Dovamat"		SC "Turkmen oil&gas construction"	M. Akhmedo'/ (construction expert)	SC "Turkmen oil&gas construction".		Department of Construction of the Ashgabat City Administration	M. Akhmedov (construction expert)	Department of Construction of the Ashgabat City Administration					M. Akhmedo' (construction expert)		M. Akhmedov (construction expert)			M. Akhmedcij (construction expert), SC "Turkmen oil&gas construction", I. Atamuradova (Component Manager, UNDP)	M. Akhmedov (construction expert). "Dovarnat", 1. Atamuradova (Component Manager, UNDP)
74200-Printing and publications			-						72100-Contracted services				72100-Contracted services				72100-Contracted services	┢										72100-Contracted services
500																	70,000											

-	Replication of results is carried out by o											7.7.3	1.5.2	2014.	monitoring begun by the end of	Indicator 2: Renovation of pilot	consumption by at least 44 percent.	Indicator 1: Designs of pilot buildings developed for renovation with reduction of energy		significantly improved energy- related characteristics	Output 3.2 Multifamily residential buildings are renovated with	
	Outcome 4: Replication of results is carried out by development of skills and qualifications, development of typical building designs, and policy development in energy efficiency of buildings.		- Regular measurement of indices of energy consumption (as carried out in Task 2.1.2), temperature, solar radiation, etc	3.26: Monitoring and assessment of energy consumption in the pilot residential buildings.	- Conduction of the seminar on energy-efficient integrated design of renovation	Printing of news-letters on demo-buildings for renovation.	- Entry into operation of the residential buildings.	 Provision of technical oversight over implementation of energy-conservation measures. 	 Implementation of construction work, in accordance with the timetable for work on energy- conservation measures. 	3.2.5: Renovation and special technical oversight of implementation of energy-conservation measures for renovation of 3 pilot buildings.	Preparation and conclusion of a contract with the contractor for implementation of energy: conservation measures.	:1	T 0.1	- Signing of a Protocol/Agreement with the client, the Ministry of Communal Services, on implementation of energy-conservation measures (together with Task 2.1.1).	3.2.4: Development of initial design and cost-estimation documentation for the reconstruction of 3 pile	- Development and signing of a "Task order for design of the reconstruction of three pilot buildings".	 Official preparation of an order for design of 3 pilot buildings for reconstruction (capital renovation). 	- Agreement on measures on energy conservation in pilot buildings for renovation.	wation of 3 pilot resi	 Correction of baseline calculations for residential buildings under renovation, taking account of parameters of heat supply and cooling. 	3.2.2: Calculation of baseline energy consumption and energy efficiency of 3 residential buildings chosen for reconstruction, using data from energy audits of these buildings.	- Conduction of the seminar on energy-efficient integrated design of construction.
74500-Miscellaneous 75700-Training, Semi GEF Total	حارجال	71200-Interr 71400-Indivi	M. Akhmedcy (construction expert), A. Zomov (energy audit expert)		M. Akhmedov (construction expert)	M. Akhmedo (construction expert)	Ministry of Communal Services	M. Akhmedov (construction expert), Ministry of Communal Services	Ministry of Communal Services	for renovation of 3 pilot buildings.	M. Akhmedov (construction expert), Ministry of Communal Services, ", I Atamuradova (Component Manager, UNDP)	M. Akhmedov (construction expert), Ministry of Communal Services	M. Akhmedov (construction expert), Ministry of Communal Services, S. Terekhov (IC on building design)	w. Aknimedov (consulcatori expert), Ministry of Communal Services, *, I. Atamuradova (Component Manager, UNDP)	3 pilot buildings.	M. Akhmedoʻ (construction expert), Ministry of Communal Services	Ministry of Communal Services	M. Akhmedov (construction expert), Ministry of Communal Services	idential buildings.	A. Zomov (eriargy audit expert)	າsen for reconstruction, usinູ້ຈີ data from energy	M. Akhmedov (construction expert)
74500-Miscellaneous 75700-Training, Seminars GEF Total	72100 Contracted services 72100 Contracted services 72400 Communications, Internet 74200 Printing and publications	71200-International Consultant 71400-Individual contracts			75700-Training, Seminars	74200-Printing and publications					72100-Contracted services											75700-Training, Seminars
4,000 76,000	10,000 20,000 1,500 1,000	37,000 2,000			2,000	500					130,000											2,000

		Manager Name of the order			i	
		I. Atamuradova (Component		- A plan of activities on information dissemination to partners and interested parties is established.	7.6.2	strategies and programmes on
Ì		nd partners and interested parties.	the project team a	4.3.1: Continual communication and regular exchange of results received by the project, among the project team and partners and interested parties.	n	Output 4.3 Recommendations of the project are included in
4.000 10,000	75700-Training, Seminars 71600-Travel			-Fulfilment of the study tour.		
		Manager, UNDP)		- Determination of the list of participants and receipt of permissions.		
		L Atamurado (Component		 Determination of the executing organization of the study tour. 		
		I. Atamuradova (Component Manager, UNDP), Mark Chao (ICTA)		- Development of Terms of Reference for the study tour.		
		esidential buildirigs.	y management of r	4.2.4: Organization of a study tour for specialists for familiarization with best practices in energy management of residential buildings.	,,,,	
		A. Zomov (eñagy audit expert), M. Akhmedo: (construction expert), Architectural- Construction institute		- Presentation of the new typical programme and educational/methodological materials to the Ministry of Education and the Ministry of Construction for approval and confirmation.		
1,000	74200-Printing and publications	A. Zomov (erlergy audit expert)		- Printing of news-letters on revised educational programs.		
				 Preparation and confirmation of a working programme on the basis of the revised typical programme. 		
	_	expert), Executing organization		 Finalization of typical programmes and educational/methodological materials, taking into account notes and comments. 		
		A. Zomov (ersergy audit expert), M. Akhmedo: (construction		 Presentation of revised typical programmes and educational-methodological materials to the educational/methodological council of the Architectural-Construction Institute, the Ministry of Education, and the Ministry of Construction for discussion and commentary. 	1.5.2 7.7.3	
				Development of the section "Energy Conservation" and educational/methodological materials.		students by the end of 2014.
20,000	72100-Contracted services	expert), Archi?ectural- expert), Arch?ectural- Construction 'nstitute, I. Atamuradová (Component Manager, UNDP)		- Selection of the Executing organization for development of the section. "Energy Conservation".		and implemented in typical educational programmes of existing disciplines. Educational materials for the section «Energy
		A. Zomov (energy audit expert),		- Preparation of Terms of Reference for development of the section "Energy Conservation"		Indicator 2: A section entitled «Energy conservation» developed
		A. Zomov (energy audit expert), M. Akhmedov (construction expert), Architectural- Construction institute		 Study of the possibility of adding a section "Energy Conservation" to existing programs of disciplines of 4-5 courses. 		and renovation of buildings, and on experience of implementation of integrated building design
		iplines	nmes of existing disc	Development and addition of a section entitled "Energy Conservation" into typical educational programmes of existing disciplines	•	on energy-efficient construction
		A. Zomov (eristgy audit expert), M. Akhmedov (construction expert), Architectural- Construction institute		 Signing of a Protocol/Agreement with the Architectural-Construction Institute on development and implementation of educational programmes. 		energy emciency in design or residential buildings. Indicator 1: Seminars delivered
		ruction Institute	Architectural-Const	4.2.2: Development and implementation of educational plansiprogrammes for students of the Architectural-Construction Institute		encouraged to include greater
			100	- Презентация результатов строительства/реконструкции пилотных домов		large residential construction companies are trained and
37,000	71200-International Consultant	tion of integrated building design for	ence of implementa	4.2.1: Training on energy-efficient construction and renovation of buildings, and on the experience of implementation of integrated building design for architects and/or engineers.		Output 4.2 Design institutes and
Amount (USD)	(including description and budget code)	4 RESPONSIBLE PARTIES	1 2 3		SP	ennual indicators.
et description	Budget description	. '		Activity results and associated actions		Including baseline data and

Indicator 1: Executive reports on results, conclusions, lessons learned, and policy recommendations are prepared and presented to key governmental and regional decision-makers.

Indicator 2: The project website is regularly updated.

Indicator 3: Agreement with the national partner concluded by the end of the project on continued operation of the website.

ontinued	it with the	ct website is	e e e	onal .	prepared	reports on	
- Publication on the website of an executive report on demonstration buildings.	 Publication on the website of an executive buildings. 	 Publication of a report on the importance a website. 	4.3.6: Support for updating of the project website with results of the project.	 Preparation and holding of meetings at the revised under the project. 	4.3.3: Organization of high-level round-ta	- Development of a report on the importance	4.3.2: Preparation of reports and recomm
report on demonstration buildings.	 - Publication on the website of an executive report on energy audits conducted for selected buildings. 	 Publication of a report on the importance and expected benefits of revised building codes on the website. 	t website with results of the project.	 - Preparation and holding of meetings at the level of deputy ministers on the building codes revised under the project. 	4.3.3: Organization of high-level round-table meetings for decisionmakers for review of the executivee reports.	- Development of a report on the importance and expected benefits of revised building codes.	4.3.2: Preparation of reports and recommendations (for high-level governmental decisionmakers) on the basic strategic questions of the project
					cutivee reports.		rs) on the basic strat
M. Akhmedo (construction expert)	A. Zomov (energy audit expert)	M. Bayramov (building code expert)		I. Atamuradova (Component Manager, UNDP)		M. Bayramov (building code expert)	tegic questions of the project.
				75700-Training, Seminars			

Outcome 5. Project Management

659,716	TOTAL	
49,716	UNDP Total	
18,089	61200- GS Staff	- UNUT CO Salalies Costs - GS Stati
11,627	61100-NP Sthff	- UNUP CO Salary Costs - NP Statt
3,000	74500-Miscellaneous	- Kental of office premises, other.
2,000	72500-Office supplies	- Unice supplies for the project team and Project implementation Unit
15,000	71200-International Consultant	- international consultant for Midterm Evaluation of the project
55,500	GEF Total	
4,000	75700-Training, seminars	- Meetings of the Project Steering Committee
3,000	74500-Miscelfaneous	- Bank fees and other expenditures
1,500	72800-Informational equipment	- Computer equipment
1,000	72500-Office supplies	- Uffice supplies for the Component Manager and the project team
3,000	72400-Communications and Internet	- Internet and mobile phone
5,000	71600-Travel	- International conferences, seminars
38,000	71400-Individual contracts	- Component Manager, Director of Project Support, Assistant

Approved by Project Board:

MOD

Maksat Babayev,
National Project Coordinator
State Corporation "Turkmengaz"

SNOX

Jacinta Barrins,
Resident Representative
UNDP in Turkmenistan