CHECKLIST ENVIRONMENTAL MANAGEMENT PLAN (EMP)

for the construction of new Zallmner school building on already existing schoolyard under the Education Excellence and Equity Project

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INTRODUCTION

The Education Excellence and Equity Project (EEE-P) supports the implementation of the first phase of the Albania's National Education Strategy (NES). The objective of EEEP is to improve the quality of learning conditions for all students and to increase enrolment in general secondary education, especially for the poor. The project has four priorities: 1) strengthening leadership, management and governance of the education system, 2) improving conditions for teaching and learning, 3) improving and rationalizing education infrastructure, and 4) setting the stage for higher education reform. The third priority, "*Improving and rationalizing education infrastructure"* implies in addition to rehabilitation of already existing schools, extension or construction of eight schools within the existing schoolyards and construction of 12 new schools on new locations.

ENVIRONMENTAL CATEGORY

Because of the construction related activities which are in general of limited impact, the project is rated as environmental assessment **Category B** according to the World Bank categorization. A Project Operation Manual (POM) has been prepared, which presents an overall project Environmental Management Plan (EMP) in which environmental due diligence procedure and screening of sub-projects is described. The POM also provides procedures by which a sub-project could be categorized as A, for example if construction is proposed on an environmentally sensitive site, and if categorized as such, the sub project will be excluded from financing under EEE-P. The screening procedure in POM calls for the preparation of environmental assessment documents of different scope for each type of sub project as presented in Table 1, for the reason that the investments envisaged under the project might have different magnitude of environmental impacts. For the extensions or construction of new schools on existing schoolyards site specific EMPs in the format of checklist (Checklist EMP) are to be prepared in accordance with World Bank guidelines and the Borrower's POM. The Checklist EMPs will be prepared for the construction of eight schools in the existing schoolyards financed under EEE-P. These are: Zallmner Primary School, Kamza; Ibrahim Rugova Primary School, Kamza; Mallakaster Secondary School, Ballsh; Beslidhja Primary School, Lezhe; Secondary School , Lezhe; 9-year Primary School, Krume; B.Curri Primary School, Durres City; and Kilica Secondary School, Fier City.

Table 1 Sub project environmental screening table

Types of **Category B** activities	Environmental Assessment documentation required	Applicable to:
1	Environmental Assessment (EA) with Environmental Management Plans (EMP) for each individual construction (sub-project)	New schools on new sites
2	Site-specific EMPs for each school in form of a checklist	New schools or extensions on existing schoolyards.
3	No site-specific EMPs necessary. General measures described in POM are applicable	Rehabilitation of existing schools on existing schoolyards.

Potential Environmental Impacts

The environmental impacts of the project are expected to be of manageable, temporary and of local impact as they are related to the general construction activities on already known and previously used locations. These impacts most commonly include: a) dust and noise due to

excavation, demolition and construction; b) management of demolition construction wastes and accidental spillage of machine oil, lubricants, etc., c) encroachment to a private property; d) damage to historical or cultural property or unknown archaeological sites; e) traffic disturbance; (f) surface or ground water; and g) soil pollution or erosion.

CHECKLIST EMP

The Checklist EMP is applied for minor rehabilitation or small-scale building construction, especially in education, health and public service reconstruction sector. It provides "pragmatic good practice" and it is designed to be user friendly and compatible with WB safeguard requirements. The checklist-type format attempts to cover typical mitigation approaches to common civil works contracts with localized impacts.

The checklist has one introduction section and three main parts:

- Introduction or foreword part in which the project is introduced, environmental category defined, and Checklist EMP concept explained.
- **Part 1** constitutes a descriptive part ("*site passport*") that describes the project specifics in terms of physical location, the institutional and legislative aspects, the project description, inclusive of the need for a capacity building program and description of the public consultation process.
- **Part 2** includes the environmental and social screening in a simple Yes/No format followed by mitigation measures for any given activity.
- **Part 3** is a monitoring plan for activities during project construction and implementation. It retains the same format required for standard World Bank EMPs. It is the intention of this checklist that Part 2 and Part 3 be included as bidding documents for contractors.

Application of the Checklist EMP

The design process for the envisaged civil works in the Education Excellence and Equity Project will be conducted in three phases:

1) *General identification and scoping phase*, in which the objects (e.g. schools) for rehabilitation, extension and/or construction are selected and an approximate program for the potential work typologies elaborated. At this stage, Part 1, 2 and 3 of the Checklist EMP are filled. Part 2 of the Checklist EMP can be used to select typical activities from a "menu" and relate them to the typical environmental issues and mitigation measures.
2) *Detailed design and tendering phase*, including specifications and bills of quantities for individual objects. The Checklist EMP is revised according to the detailed design at this stage. As such, the Checklist is presented to the public, prior to the tendering procedure. This phase also includes the tender and award of the works contracts. The whole filled in tabular Checklist EMP (Part 1, 2 and 3) should be additionally attached as integral part to the works contract as well as supervision contract, analogous to all technical and commercial terms, has to be signed by the contract parties.
3) *During the works implementation phase* environmental compliance is checked on the respective site by the site certified inspector(s) / supervisor(s), which include the site supervisory engineer hired by the Municipality, consultant hired by the Ministry of Education and relevant inspection services from Ministry of Environment. The mitigation

measures in Part 2 and monitoring plan in Part 3 are the basis to verify the Contractor's compliance with the required environmental provisions.

MONITORING AND REPORTING

For the monitoring of the Contractor's safeguards due diligence, the site supervising engineer works with **Part 3** of the EMP Checklist, *i.e.* with the monitoring plan. Part 3 is developed site specifically and in necessary detail, defining clear mitigation measures and monitoring which can be included in the works contracts, which reflect the status of environmental practice on the construction site and which can be observed/measured/ quantified/verified by the inspector during the construction works.

Part 3 would thus be updated and revised during the design process to practically reflect key monitoring criteria which can be checked during and after works for compliance assurance and ultimately the Contractor's remuneration.

Such mitigation measures include the use of Personal Protective Equipment (PPE) by workers on the site, dust generation and prevention, amount of water used and discharged by site, presence of proper sanitary facilities for workers, waste collection of separate types (mineral waste, wood, metals, plastic, hazardous waste, e.g. asbestos, paint residues, spent engine oil), waste quantities, proper organization of disposal pathways and facilities, or reuse and recycling wherever possible. In addition to Part 3, the site engineer should check whether the contractor complies with the mitigation measures in Part 2.

An acceptable monitoring report from the site supervising engineer hired by the Municipality would be a condition for full payment of the contractually agreed remuneration, the same as technical quality criteria or quantity surveys. To assure a degree of leverage on the Contractor's environmental performance an appropriate clause will be introduced in the works contracts, specifying penalties in case of noncompliance with the contractual environmental provisions, e.g. in the form of withholding a certain proportion of the payments, its size depending on the severity of the breach of contract. For extreme cases a termination of the contract shall be contractually tied in.

<table>
<tr><td colspan="3">PART 1: INSTITUTIONAL & ADMINISTRATIVE</td></tr>
<tr><td>Country</td><td colspan="2">Albania</td></tr>
<tr><td>Project title</td><td colspan="2">Education Excellence and Equity Project</td></tr>
<tr><td>Scope of project and activity</td><td colspan="2">The objective of EEE-P is to improve the quality of learning conditions for all students and to increase enrolment in general secondary education. The project will support construction / extension of eight schools within the existing schoolyards and construction of 12 schools on new locations.
Zallmner school building will be built on already existing school site. Annex 1 presents brief description of the object and activities.</td></tr>
<tr><td rowspan="2">Institutional arrangements (Name and contacts)</td><td colspan="2">Project management</td></tr>
<tr><td>Ministry of Education and Science

General Secretary in the MoES
Department for Budget Planning and General Directorate of Supporting Services
Team designated for procurement of designs, hiring environmental consultant. coordination of implementation of POM environmental related issues which among others include the Checklist EMP supervision –
(Sokol Milo)

Environmental Consultant hired by the MoES
(Veiz Lluka)
Responsible for supervision of Checklist EMP implementation</td><td>Local party and/or beneficiary
Municipality of Kamez
(Hysni Gjoçi)
Responsible for the preparation of the Checklist EMP, public consultation of the Checklist EMP and procurement of works and site supervising engineer (the works and supervising contracts include tabular parts of the Checklist EMP)

Contractor
(JV Kristal shpk & Eurondertim 2000 shpk)
Responsible for the implementation of mitigation measures and monitoring according to Parts 2 and 3 of the Checklist EMP</td></tr>
<tr><td rowspan="2">Implementation arrangements (Name and contacts)</td><td colspan="2">Supervision</td></tr>
<tr><td>Municipality of Kamez
(Blerina Shima)
Responsible for contracting site supervising engineer and occasional site supervision

Supervising site engineer
(Nobratech Studio shpk)
Responsible for monitoring of implementation of the Checklist EMP from constructor side. Hired by the Municipality</td><td>Local Inspectorate
Responsible for occasional visits to the site or upon public complaint

Consultants
Responsible for supervision of overall project. Hired by the MoES before the construction on the specific site commence
(Eugen Minga)</td></tr>
<tr><td colspan="3">SITE DESCRIPTION</td></tr>
<tr><td>Name of site</td><td colspan="2">The 9 year school Zallmner, Kamez</td></tr>
<tr><td>Describe site location</td><td>The new school will be built on the yard of the existing school Zallmner in Kamez. The area of the construction site is 1,624 m², while the total area of the yard is 3,892</td><td>Annex 1: Site information (figures from the site) [X]Y [ ] N</td></tr>
</table>

	m². Up on completion, new school will share the same yard with the existing school. The new school is modeled as a combination of 2 blocs with 4, 3 and 2 floors with an overall construction area of 4,371 m². Part of the yard will be green area and sports playground.	
Who owns the land?	The land is a public property	
Geographic description	Kamza is located in the suburbs of Tirana with a population of over 60.000 inhabitants based on 2007 estimations. Kamza municipality is the second largest inhabited town in Tirana district. It is located between two rivers Tërkuza and Tirana. Kodër Kamza is located 2 km in the south of Tirana river bank. Bathore is located in a hilly area between them. There are no natural protected areas in the suburbs of Kamza. The nearest natural park is in the eastern part of Tirana.	
LEGISLATION		
Identify national & local legislation & permits that apply to project activity	The following Albanian Laws define a legal framework for environmental management: Law on Environmental Protection, No. 8934 dated September 5, 2002 and Law on Environmental Impact Assessment, No. 8990, dated January 23, 2003. According to the Law on Environmental Impact Assessment, an EIA is not required for the construction of schools. Construction permit which is needed will identify some key environmental mitigation measures related to waste, safety and traffic.	
PUBLIC CONSULTATION		
Identify when / where the public consultation process took place	The Checklist EMP will be put on the website of MOES and hard copies will be available in Kamza municipality on notification / information board. The public will be asked through the local papers and internet site to comment on the Checklist EMP by email or regular mail for a period of two weeks. All comments should be addressed in written way and reflected in the Checklist EMP to the extent possible. A revised Checklist EMP will include brief description of comments received.	
INSTITUTIONAL CAPACITY BUILDING		
Will there be any capacity building?	[ ] N or [X]Y if Yes, Annex 2 includes the capacity building information	

PART 2: ENVIRONMENTAL /SOCIAL SCREENING			
Will the site activity include/involve any of the following:	**Activity**	**Status**	**Additional references**
	A. Building rehabilitation	[ ] Yes [X] No	See Section **B** below
	B. New construction	[X] Yes [ ] No	See Section **B** below
	C. Individual wastewater treatment system	[ ] Yes [X] No	See Section **C** below
	D. Historic building(s) and districts	[ ] Yes [ ] No [X] Possible	See Section **D** below
	E. Acquisition of land[1]	[ ] Yes [X] No	See Section **E** below
	F. Hazardous or toxic materials[2]	[X] Yes [ ] No	See Section **F** below
	G. Impacts on forests and/or protected areas	[ ] Yes [X] No	See Section **G** below
	H. Handling / management of medical waste	[ ] Yes [X] No	See Section **H** below
	I. Traffic and Pedestrian Safety	[X] Yes [ ] No	See Section **I** below

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
A. General Conditions	Notification and Worker Safety	(a) The local construction and environment inspectorates and communities have been notified of upcoming activities (b) The public has been notified of the works through appropriate notification in the media and/or at publicly accessible sites (including the site of the works) (c) All legally required permits have been acquired for construction and/or rehabilitation (d) All work will be carried out in a safe and disciplined manner designed to minimize impacts on neighboring residents and environment. (e) Workers' PPE will comply with international good practice (always hardhats, as needed masks and safety glasses, harnesses and safety boots) (f) Appropriate signposting of the sites will inform workers of key rules and regulations to follow.
B. General Rehabilitation and /or Construction Activities	Air Quality	(a) During interior demolition use debris-chutes above the first floor (b) Keep demolition debris in controlled area and spray with water mist to reduce debris dust (c) Suppress dust during pneumatic drilling/wall destruction by ongoing water spraying and/or installing dust screen enclosures at site (d) Keep surrounding environment (sidewalks, roads) free of debris to minimize dust (e) There will be no open burning of construction / waste material at the site (f) There will be no excessive idling of construction vehicles at sites
	Noise	(a) Construction noise will be limited to restricted times agreed to in the permit (b) During operations the engine covers of generators, air compressors and other powered mechanical equipment should be closed, and equipment placed as far away from residential areas as possible
	Water Quality	(a) The site will establish appropriate erosion and sediment control measures such as e.g. hay bales and / or silt fences to prevent sediment from moving off site and causing excessive turbidity in nearby streams and rivers.

[1] Land acquisitions includes displacement of people, change of livelihood encroachment on private property this is to land that is purchased/transferred and affects people who are living and/or squatters and/or operate a business (kiosks) on land that is being acquired.

[2] Toxic / hazardous material includes and is not limited to asbestos, toxic paints, removal of lead paint, etc.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
	Waste management	(a) Waste collection and disposal pathways and sites will be identified for all major waste types expected from demolition and construction activities. (b) Mineral construction and demolition wastes will be separated from general refuse, organic, liquid and chemical wastes by on-site sorting and stored in appropriate containers. (c) Construction waste will be collected and disposed properly by licensed collectors (d) The records of waste disposal will be maintained as proof for proper management as designed. (e) Whenever feasible the contractor will reuse and recycle appropriate and viable materials (except asbestos)
C. Individual wastewater treatment system	Water Quality	(a) The approach to handling sanitary wastes and wastewater from building sites (installation or reconstruction) must be approved by the local authorities (b) Before being discharged into receiving waters, effluents from individual wastewater systems must be treated in order to meet the minimal quality criteria set out by national guidelines on effluent quality and wastewater treatment (c) Monitoring of new wastewater systems (before/after) will be carried out
D. Historic building(s)	Cultural Heritage	(a) If the building is a designated historic structure, very close to such a structure, or located in a designated historic district, notify and obtain approval/permits from local authorities and address all construction activities in line with local and national legislation (b) Ensure that provisions are put in place so that artifacts or other possible "chance finds" encountered in excavation or construction are noted, officials contacted, and works activities delayed or modified to account for such finds.
E. Acquisition of land	Land Acquisition Plan/Framework	(a) If expropriation of land was not expected and is required, or if loss of access to income of legal or illegal users of land was not expected but may occur, that the bank task Team Leader is consulted. (b) The approved Land Acquisition Plan/Framework (if required by the project) will be implemented
F. Toxic Materials	Asbestos management	(a) If asbestos is located on the project site, mark clearly as hazardous material (b) When possible the asbestos will be appropriately contained and sealed to minimize exposure (c) The asbestos prior to removal (if removal is necessary) will be treated with a wetting agent to minimize asbestos dust (d) Asbestos will be handled and disposed by skilled & experienced professionals (e) If asbestos material is be stored temporarily, the wastes should be securely enclosed inside closed containments and marked appropriately (f) The removed asbestos will not be reused
	Toxic / hazardous waste management	(a) Temporarily storage on site of all hazardous or toxic substances will be in safe containers labeled with details of composition, properties and handling information (b) The containers of hazardous substances should be placed in an leak-proof container to prevent spillage and leaching (c) The wastes are transported by specially licensed carriers and disposed in a licensed facility. (d) Paints with toxic ingredients or solvents or lead-based paints will not be used
G. Affects forests and/or protected areas	Protection	(a) All recognized natural habitats and protected areas in the immediate vicinity of the activity will not be damaged or exploited, all staff will be strictly prohibited from hunting, foraging, logging or other damaging activities.

ACTIVITY	PARAMETER	MITIGATION MEASURES CHECKLIST
		(b) For large trees in the vicinity of the activity, mark and cordon off with a fence large tress and protect root system and avoid any damage to the trees (c) Adjacent wetlands and streams will be protected, from construction site run-off, with appropriate erosion and sediment control feature to include by not limited to hay bales, silt fences (d) There will be no unlicensed borrow pits, quarries or waste dumps in adjacent areas, especially not in protected areas.
H. Disposal of medical waste (not applicable)	Infrastructure for medical waste management	(a) In compliance with national regulations the contractor will insure that newly constructed and/or rehabilitated health care facilities include sufficient infrastructure for medical waste handling and disposal; this includes and not limited to: ③ Special facilities for segregated healthcare waste (including soiled instruments "sharps", and human tissue or fluids) from other waste disposal; and ③ Appropriate storage facilities for medical waste are in place; and ③ If the activity includes facility-based treatment, appropriate disposal options are in place and operational
I Traffic and Pedestrian Safety	Direct or indirect hazards to public traffic and pedestrians by construction activities	(a) In compliance with national regulations the contractor will insure that the construction site is properly secured and construction related traffic regulated. This includes but is not limited to ③ Signposting, warning signs, barriers and traffic diversions: site will be clearly visible and the public warned of all potential hazards ③ Traffic management system and staff training, especially for site access and near-site heavy traffic. Provision of safe passages and crossings for pedestrians where construction traffic interferes. ③ Adjustment of working hours to local traffic patterns, e.g. avoiding major transport activities during rush hours or times of livestock movement ③ Active traffic management by trained and visible staff at the site, if required for safe and convenient passage for the public. ③ Ensuring safe and continuous access to office facilities, shops and residences during renovation activities, if the buildings stay open for the public.

PART 3 : MONITORING PLAN							
Phase	**What** (Is the impact or related action to be monitored?)	**Where and what** (Is the parameter if applicable to be monitored?)	**How** (Is the parameter to be monitored?)	**When** (Define the frequency / or continuous?)	**Why** (Is the parameter being monitored?)	**Cost** (if not included in project budget)	**Who** (Is responsible for monitoring?)
During activity **preparation**	Current valid Permits for the duration of works	On site assessment	By checking weather all permits according to the law are available on site (e.g. location permit, construction permit)	Prior construction works commence	It is recommended to make sure that all good practices apply	Should be part of the project budget	Site supervising engineer
	Site organization	On site visual checks	By checking proper fencing, installation of temporary sanitary facilities	Prior construction works commence	To make sure that the site is safe for workers and inhabitants	Contractor bears full cost, usually is not identified as separate category	Site supervising engineer
During Activity **implementation**	Air quality	Particulate matters, dust at the site	Visual observation	Continuous on a daily basis, however special attention should be put during transport of material and excavation works	To keep the dust level at minimum to protect health and prevent irritations and to keep visibility for safety purposes	Contractor bears full cost, usually is not identified as separate category in bill of costs	Site supervising engineer, Municipality

Noise	Noise concentration (db) at the site and neighborhood	Sound level meters, noise meters or equivalent instruments for measuring noise	In the first week of the construction and at the end of works; also, anytime when the site supervising engineer receives or contractor receives a complaint from local population	To ensure noise levels are at legally acceptable level	800 Euros / measurement	Contractor, site supervising engineer
Waste pollution (non hazardous and hazardous which might include – paints, chemicals, coatings or construction material on which these are used)	On site pollution assessment	Waste accompanying documentation that is submitted to Ministry of Environment in which type and quantities of the waste are identified	Continuous during construction, i.e. each time waste is taken from the site	Required by series of regulation on waste	Part of the regular contractor practice, should be fully bared by contractor	Supervising site engineer Municipality
Architectural artifacts	On site visual assessment	Full supervision by site supervising engineer during excavation works	During excavation works for foundations	To prevent degradation of potential archeologically important artifacts	Part of the supervising engineer and contractor cost	Supervising site engineer. Municipality, Inspection
Toxic / Hazardous material	On site visual assessment	Proper handling and storage is checked according to Material Safety Data Sheets (MSDS)	Continuously	To prevent accidental spilling or injuries	Part of the regular contractor cost	Supervising engineer costs, Inspection

	Sanitary water collection	On site; COD, BOD, standard parameters	Visual observation; use of kit tests; samples when applicable Verification of waste accompanying documentation for emptying of chemical toilets	Daily, based on which authorized company is called for cleaning		Part of the regular contractor cost	Supervising engineer costs, Inspection
	Workers safety	On site	Random safety inspection	Continuously checking that appropriate protective equipment is used	To prevent accidents	Part of the regular contractor costs	Supervising engineer costs, Inspection
	Hazard to public traffic and pedestrian safety	On site and on roads permitted to use for accessing site, traffic plans	Visual observation and potential complains from the public	Daily checking the signs, fences, accesses and traffic signalization and patterns	To prevent traffic disruption and accidents	Part of the regular contractor costs	Supervising engineer costs, Inspection, Consultants
During activity **supervision**	Toxic / Hazardous material management	In school laboratories during school operation	Proper handling and storage is checked according to MSDS material sheets	Continuously, i.e. on a weekly basis and especially when new material is received	To prevent accidental spilling and injuries	Part of the operating costs	Laboratory teacher and Work safety Inspection
	Waste management (municipal waste and lab chemicals)	In school and schoolyard	Waste accompanying documentation that is submitted to Ministry of Environment in which type and quantities of the waste are identified	Continuously, i.e. during operation	Required by series of regulation on waste	Part of the regular operation costs	Ministry of Environment (inspection)

Annex 1 The site and the specifications of the new building

Figure 1 and 2 present the existing Zallmer school and the schoolyard where the new school will be built.

Figure 1 Schoolyard and Zallmer School

Figure 2 Schoolyard and Zallmer School

The design of the new school will be based on the General Plan prepared by the local Authorities. The school will be oriented through south-east, in order for the classrooms to be illuminated naturally and be warm. This building will be composed of two elements which are the school itself and the gym. The following table presents planned facilities within the building. The general design guidelines related to size of individual type of facilities, communication between facilities, emergency passes and access for people with disabilities, electric properties and lighting, safety requirements, telephony and internet, thermal insulation, heating outdoor landscaping, have been prepared.

Table 2 Planed facilities within the new school building

Area	Description	Number of rooms	Number of scholars	Area m^2 per scholar	Total room area	Total area of all rooms
Requirements for the areas of high schools, based on the standards and the school curricula.						
Learning areas						
	General classrooms	24	30		45	1,080
	Physics Laboratory + annex	1	30		75	75
	Chemistry Laboratory + annex	1	30		75	75
	Biology Laboratory + annex	1	30		75	75
	Computer Laboratory	1	30		75	75
	Multi-functional area	1	180		180	180
	Audio-visual room	1	30		75	75

	Library	1	30		75	75
SCHOOL LEADING BLOCK						
	Directorate	1			25	25
	Secretariat	1			16	16
	Deputy Directorate	3			16	48
	Meeting room	-			-	-
	Teacher's room (operations room)	1	43		70	70
	Teacher's room (study room)	1			30	30
	Archive	1			25	25
	Dentist	1			35	35
	Doctor	1			35	35
	Social Assistance	1			25	25
	Guardian's room	1			10	10
Ancillary areas						
	Fast Food	1			50	50
	Service + Kitchen	1			10	10
	Gym and its ancillary areas.	1			600	600
	School depot	1			30	30
	Scholar's toilet	1			150	150
	Toilets for teachers and handicaps	3			10	30
Service areas						
	Gas deposits	-			-	-
	Furnace's room	1			60	60
	TOTAL M^2 SCHOOL + GYM					4,371

Annex 2 Capacity Building for monitoring the compliance with the environmental policies

Secretary General of the MoES will be responsible for the coordination and monitoring of activities at the technical level, including environmental planning and management. The directors of relevant departments of the MoES, (mainly Department for Programming and Development) and heads of the institutes will be responsible for the implementation of activities. The MoES would be responsible to hire and oversee the required environmental consultant, architects, engineers and contractors. In the context of the rehabilitation, extensions and constructions of schools, the MoES's role is to manage the design, bidding and supervision of projects (including civil works, goods and services). The MoES's responsibility includes the following activities related to environmental safeguards:

The MoES's responsibility includes the following activities:

- hire the environmental consultant that will prepare environmental due diligence documents for individual sites in coordination with the MoES and municipalities and will during the project implementation phase supervise the implementation of the EMPs and report on the same (the municipality will hire its own site supervising engineer that will be present at the specific site all the time during the construction);
- Ensure that pertinent aspects of the EMP are contractual obligations of the contractor;
- Supervise the work performed by the environmental consultant, engineering / design companies to ensure that they are applying adequate standards and are following agreed procedures, as well as the agreed environmental plan.
- Organize tendering procedures, review tender evaluation performed by the architectural/ engineering firms, and arrange for the contracts to be signed in accordance with agreed procedures.
- Ensure that the environmental consultant is providing adequate site supervision, particularly the supervision of carrying out the environmental management plan.
- Designate a team for the construction and environmental issues in the Department of Programming and Development within the MoES

The Ministry does not have a separate environmental unit. For the reason that implementation of EEE-P will have a direct impact on the environment through school rehabilitation, extension and construction, a team in the Department of Budget Planning will be responsible for coordination and supervision of the environmental plans and risk mitigation measures undertaken in the Project and cooperate with territorial departments for environment protection. To compensate the lack of the capacity within the Ministry, an environmental consultant will be hired by the Ministry that will report directly to the team in the Department for Programming and Development, and Secretary General in the Ministry on implementation of the EMPs. The consultant will be responsible for the preparation of EMPs and supervising the implementation of the same. The training for the staff will be provided. In the first report on the project progress implementation a team in the Programming and Development Department will propose a training program. The team will work in close cooperation with the Programming and Development Department and Legal Sector that will be in charge of procurement and legal aspects of the project and Secretary General responsible for coordination of program. The team with the support of environmental consultant will:

- coordinate environmental training for staff, designers and local contractors;
- disseminate existing environmental management guidelines and develop guidelines in relation to issues not covered by the existing regulations, for implementation, monitoring and evaluation of mitigation measures;
- ensure contracting for construction and supply of equipment includes reference to appropriate guidelines and standards;
- coordinate / do environmental screening of the sub projects ; and
- conduct periodic site visits to inspect and approve plans and monitor compliance
- prepare its own and consolidate reports received from the Municipalities and site supervising engineers on the implementation of the EMPs

Municipalities will be responsible for supervising construction to ensure, inter alia, full compliance with the environmental guidelines contained in this POM and individual EMPs.

Municipalities where new schools will be built on existing schoolyards or new locations will be responsible for procuring and supervising all related works. The Municipalities will be responsible for:

- procuring works relating to the construction of the new schools funded under EEEP as well as the site supervising engineer;
- ensuring that the measures and monitoring in the individual Environmental Assessments / EMP become part of the agreement with the contractor and site supervising engineer; and
- supervising construction to ensure, inter alia, full compliance with the environmental guidelines contained in this POM and individual EMPs

After finalizing the construction the main responsibility of monitoring will fall under the School staff, especially the teachers of science laboratories, who will be responsible for waste management originating from the laboratories and school maintenance staff responsible for municipal waste management.

ACRONYMS USED:

EMP	Environmental Management Plan
EEEP	Education Excellence and Equity project
NES	National Education Strategy
EA	Environment Assessment
POM	Project Operational Manual
WB	World Bank
EIA	Environmental Impact Assessment