



ADMENDMENT No. 01 REQUEST FOR PROPOSAL (RFP)

**“ICT Education Capability Building
In Colombia” Project**

SCOPE: “ Supply, transportation, delivery, installation, development, training, maintenance, testing and operation of the ICT infrastructure, e-Portal development (Colombiaaprende) and enhancement, content development & standardization, teacher training and project implementation service for the creation of five Regional Innovation Centers and their implementation in Colombia on a Turnkey basis. (hereinafter, “Integrated System” or “IS”).

In Bogotá, D.C. April 19th, 2013, The Ministry of Education of Colombia issues the amendment No. 01 to be integrated to the Request for Proposal (RFP), which modifies the RFP in the following articles:

SECTION II. Bid Data Sheet

FIRST. Modify the following article: Page 73.

Related Field Experience in Teacher Training

Number of ICT training for teachers for the last five (5) years from the bid issuing date (exceeding 100 persons only, minimum 30 hours per program)	$x \geq 10$	40
	$7 \leq x < 10$	36
	$3 \leq x < 7$	28
	$0 < x < 3$	16
	$x = 0$	0

SECOND: Modify the following article: Page 87

C. All the Goods and Related Services to be financed out of the proceeds of the Loan shall be procured from the Eligible Source Countries, provided that a part of Goods and Services may, with the prior consent of the Export-Import Bank of Korea, be procured from the countries other than the Eligible Source Countries up to 14.2% of the total Loan Amount.

Bidders shall acknowledge that the 3rd Country portion of the goods and services cannot exceed 14.2% of the total Loan Amount. The portion shall be explicitly noted on the price proposal. Failure to do so or not to meet the portion limit of 14.2 percent may result in the disqualification from the bid.



SECTION V. Special Conditions of Contract

A. CONTRACT AND INTERPRETATION

THIRD: Modify the following article: Page 172

Subject to the provisions of GCC Clause 12 (Terms of Payment) and the approval of the Consultant for each task (or activity) performed by the Supplier, the Purchaser shall pay the **Net Contract Price** to the Supplier in the manner specified below and in accordance with the Disbursement Procedures under the EDCF Loan. Except as otherwise noted, all payments shall be made for the portion of the Contract Price corresponding to the goods or services actually Delivered, Installed, or Operationally Accepted, per the Contract Implementation Schedule, at unit prices and in the currencies specified in the Price Schedules of the Contract Agreement and subject to the approval of the EXIM Bank of Korea.

Net prices for each item, all taxes, duties and levies paid in the Purchaser’s country shall be detailed in the invoices.

From the Local Currency Portion of USD\$8,141,338, USD\$6,315,258 shall be paid by the Supplier to 5 RIC (USD\$1,575,258 for the Central RIC and USD\$4,740,000 for the other 4 RICs) designated by the Purchaser against their delivery of quality content (33 courseware) and against their delivery of Leader Teacher training of 16,000 teachers. The Supplier shall manage the overall process of content development and teacher training and assist RIC to manage the quality of the products and services while RIC shall be responsible for the quality of the deliverables (33 courseware and Leader Teacher training of 16,000 teachers). Conditions of such payments are stipulated on the SCC 12.1.

The Local Currency Portion of USD\$8,141,338 shall be distributed as follows:

Local Currency	
1. RICs	USD\$5,056,000
2. Resources for RICs to contract approximately 75 supporting people for five (5) RICs	USD\$1,259,258
Subtotal 1	USD\$6,315,258
3.Amount to guarantee the quality of the deliverables from local resources	USD\$1,826,080
Total Local Currency	USD\$8,141,338

1.- USD\$5,056,000 to be paid by the Supplier to the five RICs as follows:

- USD\$1,264,000 for the Central RIC
- USD\$3,792,000 for the other 4 RICs (USD\$948,000 for the other 4 RICs)



2.- USD\$1,259,258 to be paid by the Supplier to the five RICs, in order to contract approximately 75 supporting people for RICs, as follows:

- USD\$311,258 for the Central RIC
- USD\$948,000 for the other 4 RICs (USD\$237,000 for the other 4 RIC's)

3.- USD\$1,826,080 to be paid by the Supplier to guarantee the quality of the deliverables from local resources.

The Supplier shall be responsible for the utilization of the following Local Currency Portion of USD\$1,826,080 and it shall utilize the maximum amount to guarantee the quality of the deliverables from local resources as follows:

1) Infrastructure

a. For RIC security system (USD\$73,430)

Class	Unit 1	Unit 2	Unit Price	Total
System engineer	1 person	1 week	1,150	1,150
CCTV engineer	2 people	1 week	1,150	2,300
Electricity engineer	2 people	1 week	1,150	2,300
Sensor cabling, power cabling and video cabling	1ea		8,936	8,936
Total	For each RIC			14,686
	For all 5 RIC			73,430

2) e-Portal

a. For Publication / e-Portal Awareness Program (USD\$162,000)

Class	Unit 1	Unit 2	Unit Price	Total
e-Portal Awareness Program operation	3 times		27,000	81,000
Call for Contests and announcements	3 times		27,000	81,000
Total				162,000



b. For Architecture & Data Migration (USD\$217,200)

Class	Unit 1	Unit 2	Unit Price	Total
Information Architects	3 people	12 months	2,300	82,800
Programmers	7 people	12 months	1,600	134,400
Total				217,200

c. For Help Desk (USD\$165,600)

Class	Unit 1	Unit 2	Unit Price	Total
Call Center Operators	6 people	12 months	2,300	165,600
Total				165,600

d. For Lab School (USD\$253,250)

Class	Unit 1	Unit 2	Unit Price	Total
Network engineer	5 people	3 months	2,300	34,500
Assisting engineers	10 people	3 months	1,600	48,000
Site trip cost	50 site		1,500	75,000
Communication	5 people	3 months	150	2,250
Installation	50 site		1,150	57,500
Internet fee	50 site	12 months	60	36,000
Total				253,250

3) Content Development and Management

a. For Content Development and Management Manual (USD\$41,400)

Class	Unit 1	Unit 2	Unit Price	Total
Manual Experts	6 people	3 months	2,300	41,400
Total				41,400



b. For Content Development (USD\$441,600)

Class	Unit 1	Unit 2	Unit Price	Total
Curricular analysis experts	18 people	4 months	2,300	165,600
Evaluators	15 people	8 months	2,300	276,000
Total				441,600

4) Teacher Training

a. For Teacher Training Manual (USD\$339,000)

Class	Unit 1	Unit 2	Unit Price	Total
Manual experts	5 people	10 months	2,300	115,000
Manual assistant	12 people	10 months	1,600	192,000
Teachers	10 people	2 months	1,600	32,000
Total				339,000

b. For ISST (USD\$108,600)

Class	Unit 1	Unit 2	Unit Price	Total
ISST experts	3 people	6 months	2,300	41,400
Assistant	6 people	6 months	1,600	57,600
Teachers	3 people	2 months	1,600	9,600
Total				108,600

5) Project Management

a. For Site survey (USD\$24,000)

Class	Unit 1	Unit 2	Unit Price	Total
Site survey assistant	5 people	1 month	2,300	11,500
Trip expense	5 people	4 trips	625	12,500
Total				24,000



The Supplier shall be responsible for hiring the above-mentioned local human resources and providing working environment according to the Colombian laws and regulations. Selection of such human resources will be assisted by the Purchaser. Even in case the Supplier chooses to subcontract with local companies or entities, the Supplier is responsible for the quality of the goods or services.

If the goods or services cannot be procured from the Eligible Source Countries, it can be procured from the countries other than Eligible Source Countries up to 14.2% of the total Loan Amount.

The disbursement for each year starting from the Effective Date of the Contract shall not exceed the following figures, neither the Colombian Government Budget amount nor the Loan Resources:

Year	EDCF Loan	Colombian Government Budget (Taxes, duties)
Year 1 (2013)	USD\$17,262,758	USD\$4,515,766
Year 2 (2014)	USD\$9,908,458	USD\$2,899,194
TOTAL	USD\$27,171,216	USD\$7,414,960

The Budget allocation specified above was calculated considering the estimated price of the Contract. The final contract price will depend on the Bidder's financial proposal.

The formats given in the Sample Forms shall be used by the Supplier to provide appropriate information:

1) Advance Payment:

On the first Year (2013), the Purchaser will pay the Supplier an advance payment that shall not exceed 27.2% of the Net Contract Price and 20.54% from the Colombian Government Budget. This advance payment represents the 42% of the payment assigned for ICT Infrastructure, 42% of the payment assigned for e-portal Hardware, 28% of the payment assigned for Content Development & Standardization and 22% of the payment assigned for teacher training.

Within this advanced payment, on the Local currency portion it is assigned USD\$2,601,231 (USD\$1,596,957 from Content Development – around 28% and USD\$1,004,274 from Teacher Training – around 22%) to be paid to the operators, as an advanced payment, prior approval by MOE, once the operators have the RIC ready for the implementation and have the staff for their operation according to the following:



Operators	1st Payment (Advanced Payment)
Center	620,607
South	495,156
East	495,156
West	495,156
North	495,156
TOTAL	2,601,231

The advance payment to the Supplier shall be paid when the Supplier delivers a detailed bill describing which is the amount to be paid with loan resources (**goods and/or services**) and the amount to be paid with Colombian Government Budget (**taxes, duties and levies**). This bill shall be accompanied by the Advance Payment Security specified in GCC Clause 13.2.

2) For each item related to the Contract, the payments will be as follows:

a) Infrastructure

i) ICT Infrastructure other than Lab Schools & e-Portal Hardware:

(1) **Forty two percent (42%)** of the Net Contract Price assigned to the Infrastructure item as an advanced payment.

(2) **Twenty four percent (24%)** of the Net Contract Price assigned to the Infrastructure item on the delivery of the equipment to the five RIC warehouse.

(3) **Twenty four percent (24%)** of the Net Contract Price assigned to the Infrastructure item on the completion of the installation of the five RIC, all general classroom and multimedia room facilities implemented for all RIC.

(4) **Ten percent (10%)** of the Net Contract Price assigned to the Infrastructure item on the operational acceptance test of all the infrastructure installed.; and all RICs facilities Implemented, including all multimedia studios

ii) Lab Schools:

(1) **Thirty percent (30%)** of the Net Contract Price assigned to the Lab School item on the commencement of the lab schools delivery; and starting infrastructure delivery for lab schools.

(2) **Forty percent (40%)** of the Net Contract Price assigned to the Lab School item on completion of lab schools delivery; and 10 Lab Schools implemented.

(3) **Fifteen percent (15%)** of the Net Contract Price assigned to the Lab School item on the Completion of lab schools installation; and 15 Lab Schools implemented.

(4) **Fifteen percent (15%)** of the Net Contract Price assigned to the Lab School item on the operational acceptance test and 50 Lab Schools implemented.



b) e-Portal development other than e-Portal Hardware

(For development & deployment (migration), Acceptance Test, Web Log Analysis, Final Test & Eval, and Training)

- (1) Twenty percent (20%) of the Net Contract Price assigned to the e-Portal development item shall be paid on the completion of the submission of the Analysis report, commencement of the Development & Implementation; and e-portal benchmarking Complete Report Analysis and Design report.
- (2) Fifteen percent (15%) of the Net Contract Price assigned to the e-Portal development item, on the completion of the Development & Implementation stage; and e-portal Implementation finished.
- (3) Forty percent (40%) of the Net Contract Price assigned to the e-Portal development item, on the completion of the Acceptance Test and Web Log Analysis; and Web Analytics system Implementation.
- (4) Twenty five percent (25%) of the Net Contract Price assigned to the e-Portal development item, on the completion of the Final Test & Evaluation, Training, Web log analysis system implementation Complete Report

c) Content development:

i) For Content development manual & standardization:

- (1) **Twenty eight percent (28%) of the Net Contract Price assigned to the Content Development as an advanced payment. Within this advanced payment, on the Local currency portion it is assigned for each RIC at the beginning of the activities as follows:**

Operators	1st Payment (Advanced Payment)
Center	381.005
South	303.988
East	303.988
West	303.988
North	303.988
TOTAL	1,596,957

- (2) **Twenty two percent (22%) of the Net Contract Price assigned to the Content Development item on the completion of the submission of: Content development and management manual for professionals; Content development and management manual for teachers; Content quality evaluation manual for the quality control teams; Process management manual for RIC coordinators finished and delivered.)**
- (3) Ten percent (10%) of the Net Contract Price assigned to the Content Development item on the completion of the submission of: Content development and



management standardization guidelines; Metadata guidelines; Metadata input template delivered.

ii) For Content development:

- (4) Twenty Five percent (25%) of the Net Contract Price assigned to the Content Development item on the completion of the submission of: Curricula analysis system and database, and Pilot Project (2 a 3 Units of learning per subject - Language, Math and Natural Sciences)
- (5) Ten Percent (10%) of the Net Contract Price assigned to the Content Development item on the completion of the submission of: 3,000 Digital resources developed and evaluated.
- (6) Five percent (5%) of the Net Contract Price assigned to the Content Development item on the completion of the submission of: 33 courseware developed and published

d) Teacher Training:

i) For Teacher training manual:

- (1) Twenty two percent (22%) of the Net Contract Price assigned to the Teacher training item as an advanced payment. Within this advanced payment, on the Local currency portion it is assigned for each RIC at the beginning of the activities are as follows:

Operators	1st Payment (Advanced Payment)
Center	239.602
South	191.168
East	191.168
West	191.168
North	191.168
TOTAL	1,004,274

- (2) Eighteen percent (18%) of the Net Contract Price assigned to the Teacher training item on the completion of the submission of the teacher training data and manual; and Document with conceptual and methodology design of the program.

- Training material for Master Teacher (DVD with multimedia design + Binding book).
- Training material for Leader Teacher (DVD with multimedia design).



- Virtual training course content (for instance, Moodle or other LMS) - Pre-course (30 hours), Post-course (20 hours),
- Document with the contents and methodology of classroom workshop (40hours).

ii) For Teacher training & ISST:

- (3) Ten percent (10%) of the Net Contract Price assigned to the Teacher training item on the acceptance of the manual and the completion of master teacher training; Research report on development of ISST (including the evaluation strategy of teacher training component). 88 Master Teachers trained- Report of the training, and of the revision of the training materials;
- (4) Twenty two percent (22%) of the Net Contract Price assigned to the Teacher training item on the commencement of leader teacher training and evaluation one; and Evaluation items (criteria, indicators, questions). On-line evaluation sheet;
- (5) Fifteen percent (15%) of the Net Contract Price assigned to the Teacher training item on the leader teacher training evaluation 2; and 5,000 Leader teachers trained- Report of leader teachers trained;
- (6) Thirteen percent (13%) of the Net Contract Price assigned to the Teacher training item on the completion of teacher training. 16,000 Leader Teachers training- Final report of leader teacher trained.

e) Project Management except the Site Visit:

One hundred percent (100%) of the Net Contract Price for the services performed shall be paid quarterly in arrears, on submission and Purchaser's approval of invoices.[c1]

- 1) 24.26%; 2) 24.26%; 3) 20%; 4) 15%; 5) 16.48%

f) Others:

For other portions that are not listed above, one hundred (100%) of the Net Contract Price for this item shall be paid upon consultation with the Purchaser.

(i) Consultation prior to a payment request:

The amount of the all Payment shall be consulted with the Purchaser prior to each payment request.

The invoices shall detail the values of goods and services charged in a way, so that the values to be paid with loan resources or local budget can be easily established.

All taxes, duties and levies shall be separately specified in the invoices.



All the documents deliverables by the Supplier shall come in English with the official translation in Spanish.

The items above described shall be paid to the Supplier in seven (7) payments, as follows:

Payment Vs Items		
PAYMENTS	Component	CONDITION TO PAY
1	Infrastructure(1) 42% Teacher Training (1) 22% Content Dev (1) 28%	Detailed Bill and securities
2	Infrastructure(2) 24% Teacher Training (2) 18% Content Dev. (2) 22% E- portal (1) 20% Project Management (1) 24.26%	Fulfilled Goals defined by MOE and the Supplier shall deliver a report showing the goals complied.
3	Infrastructure (3) 24% Teacher Training (3) 10% Content Dev. (3) 10% E- Portal (2) 15% Project Management (2) 24.26%	Fulfilled Goals defined by MOE and the Supplier shall deliver a report showing the goals complied.
4	Infrastructure (4) 10% Teacher Training (4) 22% Content Dev. (4) 25% Lab Schools (1) 30% Project Management (3) 20%	Fulfilled Goals defined by MOE and the Supplier shall deliver a report showing the goals complied.
5	Teacher Training (5) 15% Content Dev. (5) 10% E- portal (3) 40% Lab Schools (2) 40% Project Management (4) 15%	Fulfilled Goals defined by MOE and the Supplier shall deliver a report showing the goals complied.
6	E-Portal (4) 25% Lab Schools (3) 15%	Fulfilled Goals defined by MOE and the Supplier shall deliver a report showing the goals complied.



7	Teacher Training (6) 13% Content Dev. (6) 5% Lab Schools (4) 15% Project Management (5) 16.48%	Fulfilled Goals defined by MOE and the Supplier shall deliver a report showing the goals complied.
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PARAGRAPH 1: Payments shall be done against the delivery of: Quality content development (33 courseware); Training of 16,000 Leader teachers and up to 120 Master Teachers but not less than 88 Masters teachers; E-portal development and enhancement; Lab schools provision of equipment and application systems and Project Management.

PARAGRAPH 2: For all the payments, but except for the advanced payment; the Purchaser may authorize partial payments accordingly and proportional to the progress in the execution of goals.

*Note 1: From the local currency portion of the advanced payment, the Supplier shall pay to RICs, once the sites are properly settled for the implementation and once they have the staff available for the operation as follows:.

Operators	1st Payment (Advanced Payment)
Center	620,607
South	495,156
East	495,156
West	495,156
North	495,156
TOTAL	2,601,231

*Note 2: Within the 4th payment the Supplier shall pay from the Local currency portion to the operators according to the following table, prior compliance of goals:

Operators	2nd Payment	Additional resources (supporting people for RICs)	Total
Center	120,636	108,940	229,576
South	73,086	82,950	156,036
East	73,086	82,950	156,036
West	73,086	82,950	156,036
North			



	73,086	82,950	156,036
TOTAL	412,980	440,740	853,720

*Note 3: Within the 5th payment the Supplier shall pay from the Local currency portion to the operators according to the following, prior compliance of goals:

Operators	3rd and 4th Payment	Additional resources (supporting people for RICs)	Total
Center	241,272	93,378	334,650
South	175,273	71,100	246,373
East	175,273	71,100	246,373
West	175,273	71,100	246,373
North	175,273	71,100	246,373
TOTAL	942,364	377,778	1,320,142

*Note 4: within the 6th payment the Supplier shall pay from the Local currency portion to the operators according to the following, prior compliance of goals:

Operators	5th and 6th Payment	Additional resources (supporting people for RICs)	Total
Center	281,485	108,940	390,425
South	204,485	82,950	287,435
East	204,485	82,950	287,435
West	204,485	82,950	287,435
North	204,485	82,950	287,435
TOTAL	1,099,425	440,740	1,540,165



FOURTH: Modify the following article: Page 176

b) For ISST (USD\$108,600)

Class	Unit 1	Unit 2	Unit Price	Total
ISST experts	3 people	6 months	2,300	41,400
Specialist	6 people	6 months	1,600	57,600
Teachers	3 people	2 months	1,600	9,600
Total				108,600

SECTION VI. Technical Requirements

FIFTH: Modify the following article: Page 73

(ii) Required human resource for the NIC Operation Office installation

	Field of expertise	No of staff required	Duration	Requirement
Supplier - Installation	System Engineer	1	1 week	- Knowledge and Installation experience in computer system
	Network Engineer	1	1 week	- Knowledge and Installation experience in network system
	Electric Engineer	2	1 week	- Knowledge and Installation experience in electric system

SIXTH: Modify the following article: Page 75

(iv) Required human resource for the each Multimedia Studio construction

* Supplier - Equipment Installation	Audio Engineer	4	2 month	- Knowledge and Installation experience in audio system
	Video Engine	6	2 month	- Knowledge and Installation



on	er			experience in video system
* Supplier - Soundproof Interior	Construction Engineer	12	2 month	- Knowledge and Installation experience in construction
	Special Lighting Engineer	6	1 month	- Knowledge and Installation experience in lighting & electrical system

* The table above for the Multimedia studio experts is a recommendation only. The Bidder may propose a plan to establish the multimedia studio with appropriate number of experts.

SEVENTH: Modify the following article: Page 84

Media Server with VoD Transcoding

- **4 Core Intel Xeon 2.4GHz/10MB L3 Cache * 2EA**
- **16GB MEM**
- **300GB HDD * 2EA**
- **8GB FC HBA * 2EA**
- **Dual Power Supply**

NINETH: Modify the following article: Page 105

(d) Evaluation

Stakeholders	Human Resources	Duration	Requirement
MOE (Colombian experts)	<ul style="list-style-type: none"> • 6 Evaluators 	1.5 months	<ul style="list-style-type: none"> • 3 from MOE • 3 from NIC
Supplier (Korean experts)	<ul style="list-style-type: none"> • 1 Special Engineer (Project Manager) 	1.5 months	<ul style="list-style-type: none"> • 12 years experience • Computer science background

* No salary is specified for the Colombian experts. However, the Supplier shall be responsible for the appropriate evaluation setting.



(e) Training

Stakeholders	Human Resources	Duration	Requirement
MOE (Colombian experts)	• 1 Manager	1.5 month	• 6 years experience
	• 5 Web masters		• 3 years experience
	• 2 Web designers		• 3 years experience
	• 1 Database administrator		• 3 years experience
	• 1 Server engineer		• 3 years experience
	• 1 Network engineer		• 3 years experience
Supplier (Korean experts)	• 1 Professional programmer	1.5 month	• 6 years experience
	• 1 Programmer		• 3 years experience

* It is desired that all the trainers are to have prior experience in open source architecture e-Portal development and training.
 * No salary is specified for the Colombian experts. However, the Supplier shall be responsible for the appropriate training setting.

TENTH: Modify the following article: Page 143

(d) ISST and Evaluation Items

Stakeholders	Role & Responsibility
MOE	<ul style="list-style-type: none"> • Oversee and assist the selection process of Colombian experts by the Supplier and RIC • Provide a list of qualified human resources of minimum 9 potential experts for the Supplier to select 3 Colombian experts and 6 specialists for ISST Research Team according with the requirements of 5.9. In case MOE does not deliver the minimum number of potential experts on the list, the supplier will have the freedom to propose its own eligible experts according to MOE guidelines, until completing the number of people required. • Support collaboration between 2 Research Teams



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	<ul style="list-style-type: none">•Review and approve the teacher training evaluation strategy•Oversee the all components•Communicate with ISST research team
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MINISTRY OF EDUCATION OF COLOMBIA