

Georgian Arts and Culture Center

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Project title:

Preservation Measures for Gelati Monastery Cultural Heritage Site

**Restoration of Architectural Structure of the
Church of the Virgin at Gelati Monastery**

Contracts #: IDA/RDPII/CW/DC/11-2015

Monthly Progress Report #1

Reporting Period: August 24, 2015 - October 22, 2015

Date: October 24, 2015

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1. Introduction and Background Information

Contract IDA/RDP/II/CW/DC/11-2015 for Preservation Measures for Gelati Monastery Cultural Heritage Site total cost is 985209.75 (Nine Hundred Eighty Five Thousand Two Hundred Nine and 75/100). The contract entered into force on May 29, 2015. The date of completion is May 25, 2017.

The financing institution is: The World Bank – International Development Association (IDA)

The Employer: Municipal Development Fund of Georgia

The Contractor: Georgian Arts and Culture Center

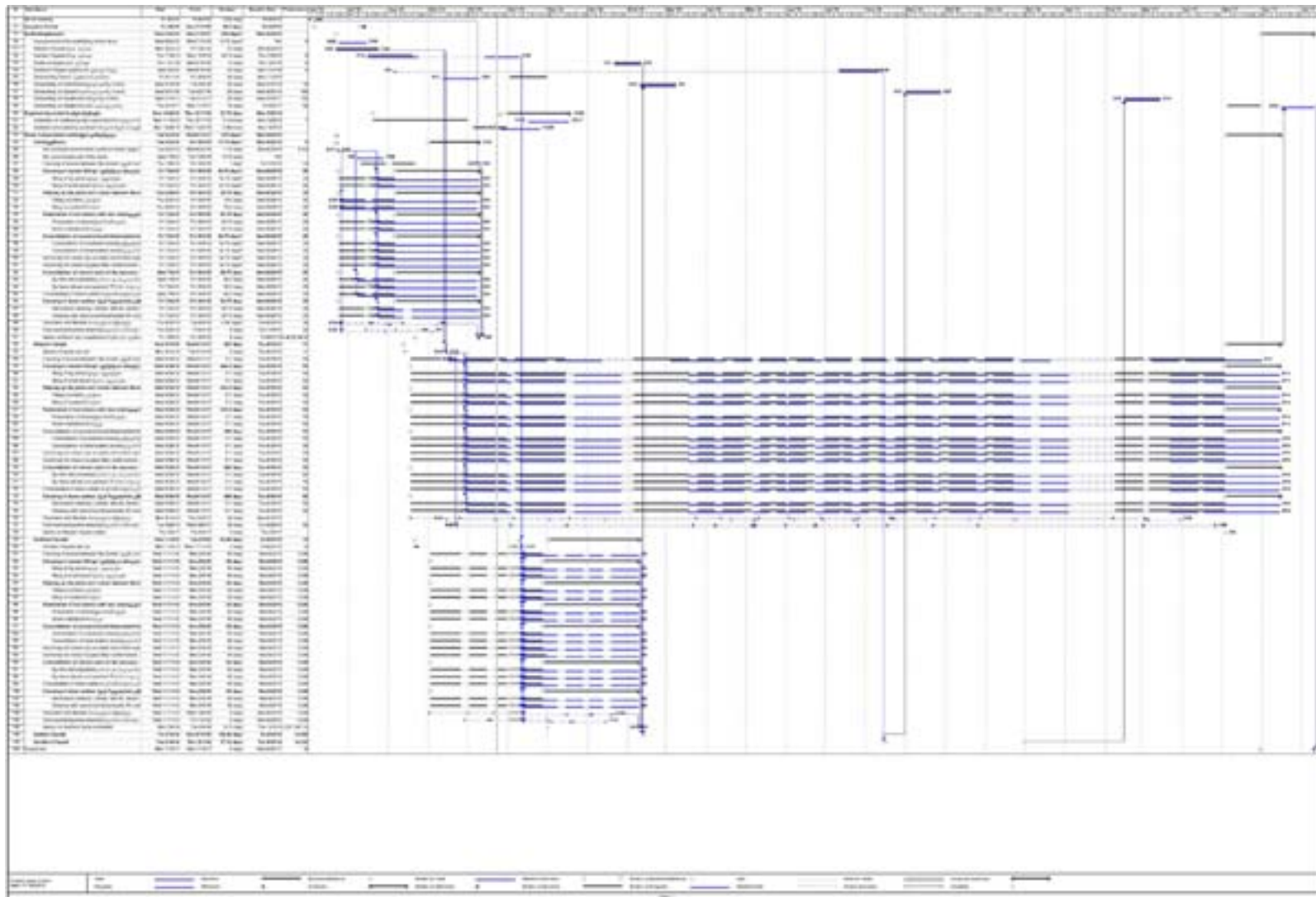
Project Manager: Eptisa Servicios de Ingenieria

There are no changes in Project team structure. For details see submitted organic chart.

Key persons: The director of the project is Mrs. Mariam Dvalishvili, director of the Georgian Arts and Culture Center. The scientific manager of the project Mr. Kakha Trapaidze and head of the conservation division Mrs. Nana Kuprashvili. Ioseb Kenchadze is assigned as a site manager.

2. Works Accomplishments

Scheduled Progress & Actual Progress



Resources (list of equipment, personnel, materials) on site

During the reporting period on site permanently are working Site Manager and 2 project groups: engineering and conservation. The engineering group 4 persons and conservation group 9 persons. During the reporting period had been conducted 1 onsite technical meetings.

The certificates of the materials used during the reporting period see in the attachment 2

Testing results and Quality Control

The testing of methodology had been conducted during the previous reporting period.

2. Financial Aspects

Form 2.

* Scanned version is attached

Proposed and Approved Variation Orders Description and Financial Aspects

The changes in the BOQ for the scaffolding, engineering works and conservation works on Dome and Western Façade had been submitted on October 10, 2015.

The changes in the conservation works were caused by the examination of the actual situation from the scaffolding and elaboration of the methodology together with the International consultant Stefano Volta and representatives of EPTISA. Some works planed on the initial stage are not needed while there are some new activities introduced by the approved methodology. Financially the changes caused increase of the budget by 36610.97 GEL.

Another issue is the scaffolding. As reported in the previous progress report the overall quantity of the scaffolding had been increased. The detailed description of variation had been submitted on October 19, 2015.

The slight changes had occurred in the construction of the reinforcement ring. The horizontal bars in the window openings are removed from the design while arrangement of isolation layer

of the ring had been introduced as an additional activity. The material certificates and variation details had been submitted on October 19, 2015.

3. Construction Issues

No specific construction issues were faced during the reporting period

4. Health, Safety and Environment Aspects

At the beginning of the project implementation the project team management attended the seminar on safety provided by the MDF safety manager. In accordance to the gained information the safety norms for the project had been elaborated. All workers had been equipped with special outfits: special uniforms, shoes and hamlets. The safety manager had been assigned onsite: Ioseb Kenchadze who is assisted by George Navrozashvili, restoration group and Tariel Kervalishvili, engineering group. The regular daily control of the safety norms and working process are conducted.

The insurance policies had been obtained for all group members in accordance to the requirements of the contractor.

During the reporting period no site/work related accident had been occurred.

The environmental issues are under control. The restoration group has no construction garbage, most of the wastes, such as removed mortar, stones etc are kept by the group for further use in restoration process. The minor wastes such as cotton, gloves etc. are discarded in the special municipal or monastery bunkers.

5. Summary and conclusions

Summary conclusions

During the reporting period all works had been conducted in full scales. In particular the amounts are as follows

	Dome		Price	Quantity	Total
	Works from initial BOQ				
1	Cleaning of spaces between the stones / ქვებს შორის ცარიელი ადგილების გამოწმენდა	m	7.00	49.29	345.03
2	Filling of joints / ნაკერების ამოვსება	m	70.50	5.79	408.19
3	filling of cracks / ბზარების ამოვსება	m	70.50	124.81	8799.11
4	Mechanical cleaning (vishab, blitz-fix, lancet) / მექანიკური წმენდა	m2	37.45	200.70	7516.22
5	Post-treatment patina cleaning / პატინის მოშორება	m2	0.80	43.02	34.42
	Works not included in initial BOQ				
6	injectionof the joints/ ნაკერების ინექტირება*	m	77.50	1.73	134.08
7	injection the spaces / ბზარებისა და მიკრობზარების ინექტირება	m	77.50	3.89	301.48
8	Installation of anchors / ანკერის დამონტაჟება	unit	465.00	5.00	2325.00
9	Preparation of carcass / კარკასის მომზადება	m2	93.00	0.61	56.73
10	Reconstruction by lime mortar / რეკონსტრუქცია კირის ხსნარით	m2	178.25	0.61	108.73
11	Cleaning of the old fillings / ძველი შევსებების გაწმენდა და შეცვლა კირის ხსნარით	m2	232.50	3.50	813.75
	Subtotal dome				20842.72

	West Façade		Price	Quantity	Total
	Works from initial BOQ				
1	Cleaning of spaces between the stones / ქვებს შორის ცარიელი ადგილების გამოწმენდა	m	7.00	206.34	1444.38
2	Filling of joints / ნაკერების ამოვსება	m	70.50	197.78	13943.49
3	filling of cracks / ბზარების ამოვსება	m	70.50	6.86	483.63
4	Reconstruction of missing parts of the masonry with lime mortar / sapire wyobis nakluli adgilebis rekonstrukcia kiriT	m2	146.50	21.32	3123.38
5	Treatment with biocide	m2	3.50	787.69	2756.93
	Works not included in initial BOQ				
6	injectionof the joints/ ნაკერების ინექტირება	m	77.50	235.38	18241.95
7	injection the spaces / ბზარებისა და მიკრობზარების ინექტირება	m	77.50	6.86	531.65
	Reassembling the fragmented parts of the stone / qvis fragmentirebuli nawilebis gaerTianeba	m2	3.75	930.00	3487.50
	Subtotal dome				44012.91

*In the red are works not included in initial BOQ

Expected works for the next month

During the next month most of the conservation works on the western façade will be finished. The scaffolding will be added to the north façade and the works will be started after the set out of the existing situation. At the same time, if the weather conditions will be suitable, the installation of reinforcement belt will be conducted.

Attachment 1.

Photo documentation

Church of the Virgin at Gelati Monastery

Contracts #: IDA/RDP/II/CW/DC/11-2015

Monthly Progress Report #3

Reporting Period: September 24 – October 22, 2015

Filling the joints



Western facade of the Church of the Virgin at Gelati Monastery

Cleaning of spaces between the stones



Consolidation of cracks



North facade of the Church of the Virgin at Gelati Monastery

Reassembling the fragmented parts of the stone



South of the Church of the Virgin at Gelati Monastery

Reconstruction of missing parts of the masonry with lime mortar



North façade of the Church of the Virgin at Gelati Monastery



North façade of the Church of the Virgin at Gelati Monastery

Cleaning of the old fillings



South façade of the Church of the Virgin at Gelati Monastery

Treatment with Biocide



West façade of the Church of the Virgin at Gelati Monastery

Attachment 2
Certificates of the Materials Used