

Georgian Arts and Culture Center

7, Niko Nikoladze str., Tbilisi, Georgia

Tel: 995-32-2931335; e-mail: gacc@gaccgeorgia.org

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 #5

Reporting Period: October 24, 2015- November 30, 2015

Date: November 30, 2015

Table of Contents:

Contents

1. Introduction and Background Information..... 3

2. Works Accomplishments..... 4

2. Financial Aspects 5

3. Construction Issues 6

4. Health, Safety and Environment Aspects..... 6

5. Summary and conclusions..... 7

Attachment 1. Photo documentation 8

Attachment 2. Certificates of the Materials Used 19

Attachment 3. Schemes of conducted works on western facade 20

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

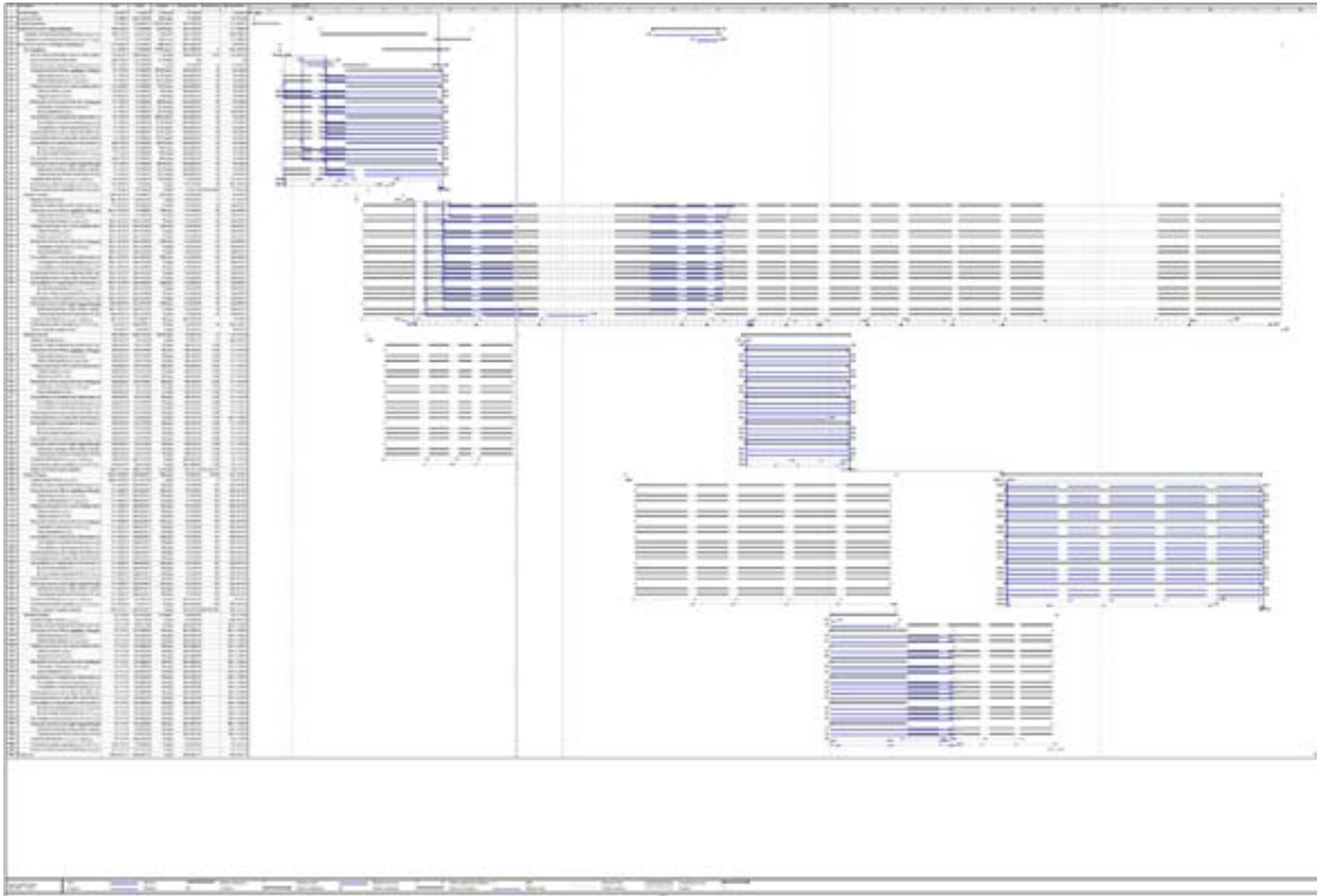
Project Manager: Eptisa Servicios de Ingenieria

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



Narrative on deviation from schedule

There are two main issues concerning the deviation from schedule.

1. Reinforcing belt and monitoring system which was due to the December 2015 was postponed for Spring 2016. The main reasons were the several changes in the initial design which caused delay with getting permissions from Eptisa and National Agency for Preservation of Cultural Heritage (October 12, 2015). At present all preparatory works, including material purchase. The project team intended to continue the works and make installation of the ring but the works include opening of the roofing on the pendants. As it is unclear what is the situation there. In case of need of unexpected measures the works will take longer which is not preferable due to the high risk of precipitation during the winter period.

2. The sequence of conservation works on the facades of the church had been slightly changed. During autumn period the team was concentrated on the western facade which was scheduled to be implemented during the whole period of the project parallel to the other facades. It enables to finish the most of west facade conservation in spring 2016 and only the biocide treatment and monitoring activities will last till the end of the project. Thus the works on the Northern facade, scheduled for the end of 2015 had been moved to the beginning of the 2016.

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

Quality control had been conducted by the head of conservation team and Eptisa representatives.

2. Financial Aspects

Form 2.

* Scanned version is attached

Proposed and Approved Variation Orders Description and Financial Aspects

The changes in the BOQ of dome and west facade which 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 had been proposed on August 3, 2015. The details had been reported in previous report
At present the variation is waiting the final approval.

3. Construction Issues

Several parts of the scaffolding and electric supply system were not meeting the standards. Project team made all necessary improvements.

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

#	Description	Unit	Quant.
1	Cleaning of spaces between the stones / ქვებს შორის ცარიელი ადგილების გამოწმენდა	m	523.66
2	Filling of joints / ნაკერების ამოვსება/ mikrobzarebis da bzarebis	m	815.36
3	Mechanical cleaning (vishab, blitz-fix, lancet) / მექანიკური წმენდა	m2	40.00
4	Treatment with Biocide / ბიოციდით შეწამვლა	m2	572.31
5	Post-treatment patina cleaning / პატინის მოშორება	m2	170.00

Works not included in initial BOQ

#	Description	Unit	Quant.
1	injectionof the joints/ ნაკერების ინექტირება/bzarebis		487.76
2	Preparation of anchors and anchor wholes / საანკერე ხვრელისა და ანკერის მომზადება	unit	20.00
3	Cleaning of anchor wholes / საანკერე ხვრელის გასუფთავება	unit	20.00
4	Installation of anchors / ანკერის დამონტაჟება	unit	20.00
5	Reassembling the fragmented parts of the stone / ქვის ნაწილების ფრაგმენტების გაერთიანება	m2	4.45
6	Cleaning of the old fillings / ძველი შევსებების გაწმენდა და შეცვლა კირის ხსნარით	m2	3.80

Expected works for the next month

The works will be stopped during the winter period and recommenced depending on the weather conditions admittedly in March, 2016

Attachment 1. Photo documentation

Church of the Virgin at Gelati Monastery

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

Monthly Progress Report #2
Reporting Period: August 25 – September 24

Filling the joints



Western façade, Church of the Virgin at Gelati Monastery

Cleaning of spaces between the stones



Western facade Church of the Virgin at Gelati Monastery

Consolidation of cracks



Western facade Church of the Virgin at Gelati Monastery

Reassembling the fragmented parts of the stone



Western facade Church of the Virgin at Gelati Monastery



Western facade Church of the Virgin at Gelati Monastery

Reconstruction of missing parts of the masonry with lime mortar





Western facade Church of the Virgin at Gelati Monastery

Cleaning of the old fillings



Western facade Church of the Virgin at Gelati Monastery

Injection



Western facade Church of the Virgin at Gelati Monastery

Treatment with Biocide



Western facade Church of the Virgin at Gelati Monastery

Attachment 2. Certificates of the Materials Used

Attachment 3. Schemes of conducted works on western facade