

# Longmen Grottoes

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property

Longmen Grottoes

### 1.2 - World Heritage property details

### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Longmen Grottoes	34.467 / 112.467	331	1042	1373	2000
<b>Total (ha)</b>		<b>331</b>	<b>1042</b>	<b>1373</b>	

### Comment

According to the latest mapping results, Fengxian Temple's coordinates should be N34°33'10" E112°28'12". The area of the buffer zone recorded in the database of the World Heritage Centre is not consistent with what is indicated in the nomination dossier. Latest maps will be submitted soon. The area of the buffer zone indicated in the latest maps will be 711 ha.

### 1.4 - Map(s)

### Comment

Pursuant to the requirement of the World Heritage Centre, updated maps will be submitted soon.

### 1.5 - Web and Social Media data of the property (if applicable)

1. [Longmen Grottoes \(TravelChinaGuide.com\)](http://www.lmsk.cn/)

### Comment

The current website links shown in the World Heritage Centre's database are not official website or social media pages of the property. Official website of the property: <http://www.lmsk.cn/> Official Weixin account of the property:LMSKGFWX

## 2. Other Conventions/Programmes under which the World Heritage property is protected (if applicable)

### 2.1 - Records indicate that your World Heritage property (in whole or in part) is designated and/or protected under the Conventions/programmes shown in the prefilled table below. Please check and amend as necessary.

		The World Heritage property (in whole or in part) <b>is</b> designated and/or protected under this convention/programme	The World Heritage property (in whole or in part) <b>is not</b> designated and/or protected under this convention/programme
2.1.1	<b>International Register of Cultural Property under Special Protection</b> (1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		<input checked="" type="checkbox"/>
2.1.2	<b>List of Cultural Property under Enhanced Protection</b> (Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		<input checked="" type="checkbox"/>
2.1.3	<b>The List of Wetlands of International Importance (The Ramsar List)</b> (Convention on Wetlands of International Importance (Ramsar Convention))		<input checked="" type="checkbox"/>
2.1.4	<b>World Network of Biosphere Reserves</b> Man and the Biosphere (MAB) Programme		<input checked="" type="checkbox"/>
2.1.5	<b>Global Geoparks Network</b> UNESCO Global Geoparks		<input checked="" type="checkbox"/>

### 2.2 - Please provide comments on 2.1 if necessary

No comment

### 2.3 - Do your national authorities intend to request the granting of Enhanced Protection (if relevant) under the Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict for the World Heritage property in the next three years?

Not applicable

### 2.4 - Do your national authorities intend to designate whole or part of the World Heritage property for inclusion in the List of Wetlands of International Importance (The Ramsar List), if relevant, in the next three years?

No

### 2.5 - Do your national authorities intend to designate whole or part of the World Heritage property as a Man and Biosphere Reserve (if relevant) in the next three years?

No

### 2.6 - Do your national authorities intend to apply for whole or part of World Heritage property to be designated as a UNESCO Global Geopark (if relevant) in the next three years?

No

### 2.7 - Please indicate the level of cooperation at property level between designations under different Conventions/Programmes

2.7.1	<b>1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	<input checked="" type="checkbox"/>
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
2.7.2	<b>Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	<input checked="" type="checkbox"/>
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
2.7.3	<b>Convention on Wetlands of International Importance (Ramsar Convention)</b>	



2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✕
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.4 Man and the Biosphere (MAB) Programme</b>		
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✕
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.5 UNESCO Global Geoparks</b>		
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✕
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	

**2.8 - Please add any further comments on cooperation with the other designation(s)/programme(s)**

No comment

**2.9 - Are you aware of any elements associated with the World Heritage property that have been inscribed on the Representative List of the Intangible Cultural Heritage?**

No

**2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the Intangible Cultural Heritage of which you are aware**

No comment

**2.11 - Are you aware of any documentary heritage listed under the Memory of the World Programme associated with the World Heritage property?**

No

**2.12 - Please list any documentary heritage associated with the World Heritage property listed under the Memory of the World Programme of which you are aware.**

No comment

**3. Statement of Outstanding Universal Value**

**3.1 - Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee**

**Statement of Outstanding Universal Value**

**Brief synthesis**

The Longmen Grottoes, located on bothsides of the Yi River to the south of the ancient capital of Luoyang, Henan province, comprise more than 2,300 caves and niches carved into the steep limestone cliffs over a 1km long stretch. These contain almost 110,000 Buddhist stone statues, more than 60 stupas and 2,800 inscriptions carved on steles. Luoyang was the capital during the late Northern Wei Dynasty and early Tang Dynasty, and the most intensive period of carving dates from the end of the 5th century to the mid-8th century. The earliest caves to be carved in the late 5th and early 6th centuries in the West Hill cliffs include Guyangdong and the Three Binyang Caves, all containing large Buddha figures. Yaofangdong Cave contains 140 inscription recording treatments for various diseases and illnesses. Work on the sculpture in this cave continued over a 150 year period, illustrating changes in artistic style. The sculptural styles discovered in the Buddhist caves of the Tang Dynasty in the 7th and 8th centuries, particularly the giant sculptures in the Fengxiansi Cave are the most fully representative examples of the Royal Cave Temples' art, which has been imitated by artists from various regions. The two sculptural art styles, the earlier "Central China Style" and the later "Great Tang Style" had great influence within the country and throughout the world, and have made important contributions to the development of the sculptural arts in other Asian countries.

**Criterion (i)** : The sculptures of the Longmen Grottoes are an outstanding manifestation of human artistic creativity.

**Criterion (ii)** : The Longmen Grottoes illustrate the perfection of a long-established art form which was to play a highly significant role in the cultural evolution in this region of Asia.

**Criterion (iii)** : The high cultural level and sophisticated society of Tang Dynasty China are encapsulated in the exceptional stone carvings of the Longmen Grottoes.

**Integrity**

The caves, stone statues, steles and inscriptions scattered in the East Hill and West Hill at Longmen have been well preserved. The property area and buffer zone retain their natural landscapes and the ecological environment that have existed since the late 5th century. The works of humans and nature have been harmoniously unified and the landscapes possess high integrity.

**Authenticity**

In the continuous evolution of Longmen Grottoes, the aesthetic elements and features of the Chinese cave temples' art, including the layout, material, function, traditional technique and location, and the intrinsic link between the layout and the various elements have been preserved and passed on. Great efforts have been made to maintain the historical appearance of the caves and preserve and pass on the original Buddhist culture and its spiritual and aesthetic functions, while always adhering to the principle of "Retaining the historic condition".

**Protection and management requirements**

As one of China's State Priority Protected Sites, the Longmen Grottoes have received protection at national level under the *Law of the People's Republic of China on the Protection of Cultural Relics*. The local legal instruments such as the *Regulations of Luoyang City on the Protection and Management of Longmen Grottoes* have ensured the legal protection system. The Management Agency of the Ministry of Culture of the PRC works with the Research Institute of Luoyang City together with professional teams on the protection, publicity, education and presentation for the Grottoes. The Management Agency has drafted *The Conservation Plan of the Longmen Grottoes*, and according to this plan, research capabilities have been strengthened, including the analysis of the deterioration mechanism of the caves, environmental monitoring, conservation materials and control measures. Based on the research results of tourist carrying capacity, the opening capacity of the property area is effectively controlled; the negative effects to the heritage made by different kinds of adverse factors have been minimized; the setting of the caves is protected; and a rational and effective balance between protection and development of the heritage place is maintained.

**3.2 - Please list the key attributes of Outstanding Universal Value of your property and give an assessment of their condition. As a guideline, it is suggested to focus on approximately five key attributes (no more than 15 overall).**

	Brief identification of attribute	Preserved	Compromised	Seriously compromised	Lost
3.2.1	Outstanding manifestation of human artistic creativity in sculpture	✕			
3.2.2	China's grotto sculpture art reflecting important transformations	✕			
3.2.3	Statues bearing a testimony to the high cultural level and sophisticated society of Tang Dynasty China	✕			
3.2.4					
3.2.5					
3.2.6					

3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

### 3.3 - Comments, conclusions and/or recommendations related to Statement of Outstanding Universal Value

The property area still retains a large number of physical remains and historical information on religion, fine arts, architecture, calligraphy, music, costumes, and medicine. In order to better protect all value attributes, the Research Academy of Longmen Grottoes has conducted such conservation works as anti-seepage, anti-leakage and consolidation of rocks in danger. Research to explore the property's cultural value has also been carried out and theses published.

## 4. Factors Affecting the Property

### 4.1. Buildings and Development

#### 4.1.1 - Housing

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative <input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			

#### 4.1.2 - Commercial development

Previous answer Cycle 2 (29/07/2011):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.1.3 - Industrial areas

Previous answer Cycle 2 (29/07/2011):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Negative							

#### 4.1.6 - Please comment as necessary on how the factors selected as relevant in 4.1 are affecting the property either negatively or positively

Surrounding residential areas are subject to unified planning and management so that they are harmonized with the scenic area. Self-guiding, boating and self-operated shops are provided to meet tourists' needs. Some residential buildings and villages within the scenic area have certain impact on visual effects of the scenic area. Unified planning has been applied to surrounding buildings in recent years, such as by painting their exterior walls.

## 4.2. Transportation Infrastructure

### 4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

<input checked="" type="checkbox"/> Relevant			<input type="checkbox"/> Not relevant				
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			
Negative							

#### 4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✖ Not relevant
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#### 4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (29/07/2011):

- Not relevant

✖ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✖	✖			✖	📉		

#### 4.2.6 - Please comment as necessary on how the factors selected as relevant in 4.2 are affecting the property either negatively or positively

The northwest and northeast service areas as well as parking lots and bus stations in the scenic area can meet tourists' needs. Vibration, noise and exhaust emissions generated by the transit Jiaozuo-Liuzhou Railway have caused destruction to the property. But the number of trains running on the railway has continued to reduce in recent years. Regular observation and testing show that the railway has minor impact on the property.

### 4.3. Services Infrastructures

#### 4.3.1 - Water infrastructure

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

✖ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive ✖	✖			✖		➡	
🔴 Negative							

#### 4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✖ Not relevant
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#### 4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✖ Not relevant
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#### 4.3.4 - Localised utilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

✖ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive ✖	✖			✖		➡	
🔴 Negative							

#### 4.3.5 - Major linear utilities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✖ Not relevant
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#### 4.3.6 - Please comment as necessary on how the factors selected as relevant in 4.3 are affecting the property either negatively or positively

The property is located on both banks of Yihe River. The construction of dams can raise water level, regulate water flow, control flood and beautify landscape. The 5G intelligent scenic area is an important infrastructure that helps diversify sightseeing activities, disseminate history and culture, showcase the charm of the scenic area, and improve tourist experience.

### 4.4. Pollution

#### 4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✖ Not relevant
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#### 4.4.2 - Ground water pollution

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✖ Not relevant
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#### 4.4.3 - Surface water pollution

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

Relevant	✖ Not relevant
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#### 4.4.4 - Air pollution

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✖ Not relevant
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#### 4.4.5 - Solid waste

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.4.6 - Input of excess energy

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.4.7 - Please comment as necessary on how the factors selected as relevant in 4.4 are affecting the property either negatively or positively

no comment

### 4.5. Biological resource use/modification

#### 4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.2 - Aquaculture

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.3 - Land conversion

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.5 - Crop production

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.8 - Commercial hunting

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.9 - Subsistence hunting

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively

no comment

### 4.6. Physical resource extraction


#### 4.6.1 - Mining

Previous answer Cycle 2 (29/07/2011):

- Not relevant

✗ Relevant

Not relevant

	Impact		Origin		Trend of impact		
Impact	 Current	 Potential	 Inside	 Outside	 Decreasing	 Stable	 Increasing
 Positive							
 Negative ✗	✗			✗			

#### 4.6.2 - Quarrying

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✗ Not relevant

#### 4.6.3 - Oil and gas

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.6.4 - Water (extraction)

Previous answer Cycle 2 (29/07/2011):

- Not relevant

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🔵 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕	✕	📉		

#### 4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively

Coal mining and operation of hot spring resorts have led to lower ground water level and cutout of some springs in the scenic area. Luoyang Municipal Government will adopt strict controls to request closure of coal mines that affect ground water level and exercise strict regulation of the hot spring industry.

#### 4.7. Local conditions affecting physical fabric

##### 4.7.1 - Wind

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🔵 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕			➡	

##### 4.7.2 - Relative humidity

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🔵 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕			➡	

##### 4.7.3 - Temperature

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🔵 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕			➡	

##### 4.7.4 - Radiation/Light

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🔵 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕			➡	

##### 4.7.5 - Dust

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🔵 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕			➡	

##### 4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Current, Inside, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🔵 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							

⊗ Negative ⊗	⊗		⊗			→	
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#### 4.7.7 - Pests

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

⊗ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	⚠ Current	⚠ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
⬆ Positive							
⬇ Negative ⊗	⊗		⊗			→	

#### 4.7.8 - Micro-organisms

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

⊗ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	⚠ Current	⚠ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
⬆ Positive							
⬇ Negative ⊗	⊗		⊗			→	

#### 4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively

Due to the exposure to the natural environment and the impact of wind, rain, sunlight and freezing, weathering and peeling off of grotto rocks and statues become increasingly severe. A series of treatment and research projects have been launched to address seepage, leakage, weathering and rocks in danger. Relevant research activities will continue in the future.

### 4.8. Social/Cultural uses of heritage

#### 4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	⊗ Not relevant
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#### 4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

⊗ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	⚠ Current	⚠ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
⬆ Positive ⊗	⊗		⊗	⊗			↗
⬇ Negative							

#### 4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	⊗ Not relevant
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#### 4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	⊗ Not relevant
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#### 4.8.5 - Identity, social cohesion, changes in local population and community

Previous answer Cycle 2 (29/07/2011):

- Not relevant

⊗ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	⚠ Current	⚠ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
⬆ Positive ⊗		⊗		⊗		→	
⬇ Negative							

#### 4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

⊗ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	⚠ Current	⚠ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
⬆ Positive ⊗	⊗		⊗	⊗			↗
⬇ Negative							

#### 4.8.7 - Please comment as necessary on how the factors selected as relevant in 4.8 are affecting the property either negatively or positively

Longmen Grottoes as a World Cultural Heritage property promotes traditional Chinese culture and manifests Chinese people's aspiration for better life and outstanding creativity. Local people in Luoyang are proud of Longmen Grottoes and publicize the property via social media such as Weibo and Weixin.

### 4.9. Other human activities

#### 4.9.1 - Illegal activities

Previous answer Cycle 2 (29/07/2011):

- Not relevant



Relevant

✕ Not relevant

**4.9.2 - Deliberate destruction of heritage**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✕ Not relevant

**4.9.3 - Military training**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✕ Not relevant

**4.9.4 - War**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✕ Not relevant

**4.9.5 - Terrorism**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✕ Not relevant

**4.9.6 - Civil unrest**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✕ Not relevant

**4.9.7 - Please comment as necessary on how the factors selected as relevant in 4.9 are affecting the property either negatively or positively**  
 no comment

**4.10. Climate change and severe weather events**

**4.10.1 - Storms**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

✕ Relevant

Not relevant

	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	🌐 Inside	🌐 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							
🔴 Negative ✕		✕	✕	✕		→	

**4.10.2 - Flooding**  
 Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant

Not relevant

	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	🌐 Inside	🌐 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							
🔴 Negative ✕		✕	✕	✕		→	

**4.10.3 - Drought**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✕ Not relevant

**4.10.4 - Desertification**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✕ Not relevant

**4.10.5 - Changes to oceanic waters**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✕ Not relevant

**4.10.6 - Temperature change**  
 Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Current, Outside

✕ Relevant

Not relevant

	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	🌐 Inside	🌐 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							
🔴 Negative ✕	✕		✕			→	

**4.10.7 - Other climate change impacts**  
 Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant

✕ Not relevant

**4.10.8 - Please comment as necessary on how the factors selected as relevant in 4.10 are affecting the property either negatively or positively**

1. Strong wind and heavy rain may cause direct peeling off to some vulnerable places. 2. Flood may cause statues at lower locations to become immersed in water. 3. Drastic temperature change may cause weathering and peeling off of limestone. A variety of measures have been taken to prevent and manage such factors, including consolidating rocks in in danger, adding eaves to grottoes, and conducting monitoring of hydrological conditions and diseases.

**4.11. Sudden ecological or geological events**

**4.11.1 - Volcanic eruption**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
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**4.11.2 - Earthquake**

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

Relevant	✗ Not relevant
----------	----------------

**4.11.3 - Tsunami/Tidal wave**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
----------	----------------

**4.11.4 - Avalanche/Landslide**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
----------	----------------

**4.11.5 - Erosion and siltation/Deposition**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
----------	----------------

**4.11.6 - Fire (wildfire)**

Previous answer Cycle 2 (29/07/2011):

- Relevant, Negative, Potential, Outside

✗ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative ✗		✗	✗	✗		→	

**4.11.7 - Please comment as necessary on how the factors selected as relevant in 4.11 are affecting the property either negatively or positively**

There are vast mountain forests in the property area and the buffer zone. Once a fire occurs, it will widespread to larger areas of forest and increase difficulty in fire control. There has been no forest fire in recent years. The management body has also strengthened daily patrols and management of forest fire risks by camera monitoring and through publicity and education events.

**4.12. Invasive/alien species or hyper-abundant species**

**4.12.1 - Translocated species**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
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**4.12.2 - Invasive/Alien terrestrial species**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
----------	----------------

**4.12.3 - Invasive/Alien freshwater species**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
----------	----------------

**4.12.4 - Invasive/Alien marine species**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
----------	----------------

**4.12.5 - Hyper-abundant species**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
----------	----------------

**4.12.6 - Modified genetic material**

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant	✗ Not relevant
----------	----------------

**4.12.7 - Please comment as necessary on how the factors selected as relevant in 4.12 are affecting the property either negatively or positively**

No comment

**4.13. Management and institutional factors**

**4.13.1 - Management system/Management plan**

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	↕ Current	↕ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
➡ Positive ✕	✕		✕	✕			↗
➡ Negative							

#### 4.13.2 - Legal framework

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	↕ Current	↕ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
➡ Positive ✕	✕		✕	✕		→	
➡ Negative							

#### 4.13.3 - Governance

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	↕ Current	↕ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
➡ Positive ✕	✕		✕	✕		→	
➡ Negative							

#### 4.13.4 - Management activities

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	↕ Current	↕ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
➡ Positive ✕	✕		✕	✕		→	
➡ Negative							

#### 4.13.5 - Financial resources

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	↕ Current	↕ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
➡ Positive ✕	✕		✕	✕		→	
➡ Negative							

#### 4.13.6 - Human resources

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	↕ Current	↕ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
➡ Positive ✕	✕		✕	✕		→	
➡ Negative							

#### 4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (29/07/2011):

- Relevant, Positive, Current, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	↕ Current	↕ Potential	⦿ Inside	⦿ Outside	↘ Decreasing	→ Stable	↗ Increasing
➡ Positive ✕	✕		✕	✕			↗
➡ Negative							

#### 4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (29/07/2011):

- Not relevant

Relevant				✕ Not relevant			
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#### 4.13.9 - Please comment as necessary on how the factors selected as relevant in 4.13 are affecting the property either negatively or positively

The Regulations of Luoyang Municipality for the Protection and Management of Longmen Grottoes has been enacted. The Regulations set out management plans for the property and its surrounding environment in terms of construction, business operation, protected areas and financial sources. The property is managed by the Administrative Committee for the Scenic Area of the World Cultural Property "Longmen Grottoes" and the Research Academy of Longmen Grottoes.

#### 4.14. Other factor(s)

##### 4.14.1 - Other factor(s)

No comment

#### 4.15. Factors Summary Table

##### 4.15.1 - Factors Summary Table

Name	Impact	Origin	Trend
4.1 Buildings and Development			
4.1.1 Housing			

			미			→
4.1.5 Interpretative and visitation facilities		미				→
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure		미				→
4.2.5 Effects arising from use of transportation infrastructure						
		미				↘
4.3 Services Infrastructures						
4.3.1 Water infrastructure		미				→
4.3.4 Localised utilities		미				→
4.6 Physical resource extraction						
4.6.1 Mining						
		미				↘
4.6.4 Water (extraction)						
		미				↘
4.7 Local conditions affecting physical fabric						
4.7.1 Wind		미				→
4.7.2 Relative humidity		미				→
4.7.3 Temperature		미				→
4.7.4 Radiation/Light		미				→
4.7.5 Dust		미				→
4.7.6 Water (rain/water table)		미				→
4.7.7 Pests		미				→
4.7.8 Micro-organisms		미				→
4.8 Social/Cultural uses of heritage						
4.8.2 Society's valuing of heritage		미				→
4.8.5 Identity, social cohesion, changes in local population and community			미			→
4.8.6 Impacts of tourism/Visitation/Recreation		미				→
4.10 Climate change and severe weather events						
4.10.1 Storms			미			→
4.10.2 Flooding			미			→
4.10.6 Temperature change		미				→
4.11 Sudden ecological or geological events						
4.11.6 Fire (wildfire)						
			미			→
4.13 Management and institutional factors						
4.13.1 Management system/Management plan		미				→
4.13.2 Legal framework		미				→
4.13.3 Governance		미				→

4.13.4 Management activities						
4.13.5 Financial resources						
4.13.6 Human resources						
4.13.7 Low impact research/monitoring activities						
<b>Legend</b>	Current	Potential	Negative	Positive	Inside	Outside

#### 4.16. Assessment of current and potential positive and negative factors

##### 4.16.1 - Assessment of current and potential negative and positive factors

###### 4.1 Buildings and Development

Name	Impact	Origin	Trend
4.1.1 Housing			



Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities			





Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant

	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

#### 4.2 Transportation Infrastructure

Name	Impact	Origin	Trend
4.2.1 Ground transport infrastructure	 		

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.2.5 Effects arising from use of transportation infrastructure	 		

Spatial scale - Area affected by the factor	
	Restricted
✕	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Developement over the last 6 years	
<input checked="" type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

#### 4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.1 Water infrastructure	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>




Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Developement over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.3.4 Localised utilities	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>



Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	

X	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
X	Static
	Increasing

#### 4.6 Physical resource extraction

Name	Impact	Origin	Trend
4.6.1 Mining			
	 		 

Spatial scale - Area affected by the factor	
	Restricted
X	Localised
	Extensive
	Widespread
Temporal scale - Occurence of the impact	
	One off or rare
X	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
X	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
X	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Developement over the last 6 years	
X	Decreasing
	Static
	Increasing

Name	Impact	Origin	Trend
4.6.4 Water (extraction)			
	 	 	

Spatial scale - Area affected by the factor	
X	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurence of the impact	
	One off or rare
X	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
X	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity



	Medium capacity
✕	Low capacity
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✕	Static
	Increasing

4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
4.7.1 Wind			
	⊖	↗	↘

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.7.2 Relative humidity			
	⊖	↗	↘

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity

	Low capacity
	No capacity and / or resources
Trend - Developement over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.7.3 Temperature			
	⊖	↗	↘

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Developement over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.7.4 Radiation/Light			
	⊖	↗	↘

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Developement over the last 6 years	
--	--

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.7.5 Dust			
	⊖	↗	⊕

Spatial scale - Area affected by the factor	
	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.7.6 Water (rain/water table)			
	⊖	↗	⊕

Spatial scale - Area affected by the factor	
	Restricted
✕	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name		Impact			Origin		Trend
4.7.7 Pests							
		⊖	↗		⊕		→

Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurence of the impact	
<input checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name		Impact			Origin		Trend
4.7.8 Micro-organisms							
		⊖	↗		⊕		→

Spatial scale - Area affected by the factor	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurence of the impact	
<input type="checkbox"/>	One off or rare
<input checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

#### 4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.2 Society's valuing of heritage	 	 	
<b>Spatial scale - Area affected by the factor</b>			
	Restricted		
	Localised		
✕	Extensive		
	Widespread		
<b>Temporal scale - Occurrence of the impact</b>			
	One off or rare		
	Intermittent or sporadic		
	Frequent		
✕	On-going		
<b>Impact - Impact on the attributes</b>			
	Insignificant		
	Minor		
✕	Significant		
	Major		
<b>Management response - Capacity of management to respond</b>			
✕	High capacity		
	Medium capacity		
	Low capacity		
	No capacity and / or resources		
<b>Trend - Development over the last 6 years</b>			
	Decreasing		
	Static		
✕	Increasing		

Name	Impact	Origin	Trend
4.8.5 Identity, social cohesion, changes in local population and community	 	 	
<b>Spatial scale - Area affected by the factor</b>			
✕	Restricted		
	Localised		
	Extensive		
	Widespread		
<b>Temporal scale - Occurrence of the impact</b>			
✕	One off or rare		
	Intermittent or sporadic		
	Frequent		
	On-going		
<b>Impact - Impact on the attributes</b>			
✕	Insignificant		
	Minor		
	Significant		
	Major		
<b>Management response - Capacity of management to respond</b>			
✕	High capacity		
	Medium capacity		
	Low capacity		
	No capacity and / or resources		
<b>Trend - Development over the last 6 years</b>			
	Decreasing		
✕	Static		
	Increasing		

Name	Impact	Origin	Trend
4.8.6 Impacts of tourism/Visitation/Recreation	 	 	

Spatial scale - Area affected by the factor							
	Restricted						
✕	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurence of the impact							
	One off or rare						
	Intermittent or sporadic						
	Frequent						
✕	On-going						
Impact - Impact on the attributes							
	Insignificant						
	Minor						
✕	Significant						
	Major						
Management response - Capacity of management to respond							
	High capacity						
✕	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Development over the last 6 years							
	Decreasing						
	Static						
✕	Increasing						

4.10 Climate change and severe weather events

Name	Impact	Origin	Trend
4.10.1 Storms			

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurence of the impact	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
✕	Insignificant
	Minor
	Significant
	Major
Management response - Capacity of management to respond	
	High capacity
✕	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.10.2 Flooding			

Spatial scale - Area affected by the factor

✕

Restricted

Localised

Extensive

Widespread

Temporal scale - Occurence of the impact

✕

One off or rare

Intermittent or sporadic

Frequent

On-going

Impact - Impact on the attributes

✕

Insignificant

Minor

Significant

Major

Management response - Capacity of management to respond

✕

High capacity

Medium capacity

Low capacity

No capacity and / or resources

Trend - Development over the last 6 years

Decreasing

✕

Static

Increasing

Name	Impact			Origin		Trend
4.10.6 Temperature change						

Spatial scale - Area affected by the factor

✕

Restricted

Localised

Extensive

Widespread

Temporal scale - Occurence of the impact

One off or rare

✕

Intermittent or sporadic

Frequent

On-going

Impact - Impact on the attributes

✕

Insignificant

Minor

Significant

Major

Management response - Capacity of management to respond

High capacity

✕

Medium capacity

Low capacity

No capacity and / or resources

Trend - Development over the last 6 years

Decreasing

✕

Static

Increasing

4.11 Sudden ecological or geological events

Name	Impact			Origin		Trend
4.11.6 Fire (wildfire)						

Spatial scale - Area affected by the factor

✕

Restricted

Localised

Extensive

Widespread

Temporal scale - Occurence of the impact

✕

One off or rare

Intermittent or sporadic

Frequent

On-going

Impact - Impact on the attributes

✕

Insignificant

Minor

Significant

Major

Management response - Capacity of management to respond

✕

High capacity

Medium capacity

Low capacity

No capacity and / or resources

Trend - Development over the last 6 years

Decreasing

✕

Static

Increasing






4.13 Management and institutional factors

Name	Impact	Origin	Trend
4.13.1 Management system/Management plan	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div></div>
<div><div>Spatial scale - Area affected by the factor</div><div><div></div><div>Restricted</div></div><div><div></div><div>Localised</div></div><div><div>✕</div><div>Extensive</div></div><div><div></div><div>Widespread</div></div></div> <div><div>Temporal scale - Occurence of the impact</div><div><div></div><div>One off or rare</div></div><div><div></div><div>Intermittent or sporadic</div></div><div><div></div><div>Frequent</div></div><div><div>✕</div><div>On-going</div></div></div> <div><div>Impact - Impact on the attributes</div><div><div></div><div>Insignificant</div></div><div><div></div><div>Minor</div></div><div><div>✕</div><div>Significant</div></div><div><div></div><div>Major</div></div></div> <div><div>Management response - Capacity of management to respond</div><div><div>✕</div><div>High capacity</div></div><div><div></div><div>Medium capacity</div></div><div><div></div><div>Low capacity</div></div><div><div></div><div>No capacity and / or resources</div></div></div> <div><div>Trend - Development over the last 6 years</div><div><div></div><div>Decreasing</div></div><div><div></div><div>Static</div></div><div><div>✕</div><div>Increasing</div></div></div>			








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Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input checked="" type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
Temporal scale - Occurence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.13.3 Governance	 	 	

Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread
Temporal scale - Occurence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.13.4 Management activities	 	 	

Spatial scale - Area affected by the factor
---

	Restricted
	Localised
✕	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing



Name	Impact			Origin			Trend
4.13.5 Financial resources							

Spatial scale - Area affected by the factor	
	Restricted
	Localised
✕	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin			Trend
4.13.6 Human resources							

Spatial scale - Area affected by the factor	
	Restricted
	Localised
✕	Extensive

	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
X	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
X	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
X	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
X	Static
	Increasing

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	 	 	

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive
X	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
X	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
X	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
X	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
X	Increasing

4.17. Serial inscriptions (national or transnational)

4.17.1 - If your property is a serial inscription (national or transnational) please identify which components of the property are impacted by each factor

No comment

4.18. Prediction of the state of conservation at next cycle of Periodic Reporting.

4.18.1 - Please predict what the state of conservation of each attribute will be approximately 6 years from now (at the time of the next cycle of Periodic Reporting)

	Attribute	Preserved	Compromised	Seriously compromised	Lost
4.18.1.1	Outstanding manifestation of human artistic creativity in sculpture	X			
4.18.1.2	China's grotto sculpture art reflecting important transformations	X			
4.18.1.3	Statues bearing a testimony to the high cultural level and sophisticated society of Tang Dynasty China	X			
4.18.1.4					
4.18.1.5					

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

5.1.1 - Are the boundaries of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The boundaries are **adequate to maintain** the property's Outstanding Universal Value

5.1.2 - Are the boundaries of the World Heritage property known and recognised?

The boundaries **are known by both** the management authority and local communities/landowners

5.1.3 - Are the buffer zone(s) of the World Heritage property adequate to maintain the property's Outstanding Universal Value?

The buffer zones are **adequate** to maintain the property's Outstanding Universal Value

5.1.4 - Are the boundaries of the buffer zones known and recognised?

The buffer zones of the World Heritage property **are known and recognised by both** the management authority and local communities/landowners

5.1.5 - Comments, conclusions and/or recommendations related to boundaries and buffer zones of the World Heritage property

The updated maps of the property area and the buffer zone have been submitted to the National Cultural Heritage Administration.

5.2. Protective Measures

5.2.1 - Protective designation (legal, regulatory, contractual, planning, institutional and/or traditional).

Article 22 of the Constitution of the People's Republic of China (PRC) lays down that "The state protects sites of scenic and historic interest, valuable cultural monuments and relics and other significant items of China's historical and cultural heritage." Under the provisions of the Law on Protection of Cultural Relics, the Longmen Grottoes are considered State Priority Protected Cultural Heritage Site, approved by the State Council of the PRC. In addition, the properties are protected by a series of other statutes, stemming from the Constitution of the PRC and including the Environmental Protection Law, the Urban Planning Law, and the Penal Law. The Cultural Relics Protection Law operates through a number of sets of regulations at national level, reinforced by and interpreted through regulations issued by Henan Province and Luoyang City. The protected areas are surrounded by substantial buffer zones, defined in 1983 by the People's Government of Henan Province.

Source: Periodic Reporting Cycle 2

5.2.2 - Please list any legislation and other measures (regulatory -including spatial planning- contractual, institutional or traditional) not included in 5.2.1 and indicate the category

2013 / Regulations of Luoyang Municipality for the Protection and Management of Longmen Grottoes / Restrictions are imposed on protection and management, business operation and service, development and construction, life and production, and visitation. The Administrative Committee of Longmen Grottoes is mandated to protect and manage Longmen Grottoes and the Longmen Scenic Area. Protected areas are demarcated. Penalties are set out to punish illegal behaviors. / 2008—2020 /

5.2.3 - Is the legal framework (i.e. legislation and/or regulation including spatial planning) adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The **legal framework** for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an **adequate basis for effective management and protection**

5.2.4 - Is the legal framework (i.e. legislation and/or regulation) adequate in the buffer zone for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The **legal framework** in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property is **inadequate**

5.2.5 - Is the legal framework (i.e. legislation and/or regulation) in the broader setting of the World Heritage property adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?

The **legal framework** for the broader setting of the World Heritage property provides an **adequate basis** for effective management and protection of the property, contributing to the maintenance of its Outstanding Universal Value including conditions of Authenticity and/or Integrity

5.2.6 - Can the legal framework (i.e. legislation and/or regulation) be enforced?

There is **adequate capacity/resources** to enforce legislation and/or regulation in the World Heritage property

5.2.7 - Please provide a short summary of how the legislation, including spatial planning and other regulation, works in practice

In the Regulations of Luoyang Municipality for the Protection and Management of Longmen Grottoes and its Master Plan, rules and plans are set out for protection and management, business operation and service, development and construction, life and production, and visitation in the property area and the buffer zone. Their objective is to build Longmen into an international model area for tourism and cultural industries and a famous destination of leisure and travel.

5.2.8 - Comments, conclusions and/or recommendations about the information related to the measures taken to protect the World Heritage property

Good results have been achieved in the protection and management of the property. It is hoped that capacity building would be strengthened, sources of conservation funds diversified, and exchanges and cooperation with technical institutions increased.

5.3. Management System/Management Plan

5.3.1 - Please check the box which most closely match the character of the governance and management system of the property

Public management system joint national/ local

If 'Other', please specify

5.3.2 - Management System: Please indicate which of the various management tools listed below are used to help protect the property.

A statutory Management Plan or zoning plan for the property.

Governance mechanisms that foster and respect traditional practices, knowledge and uses of the property

Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups

A framework for inclusive economic development, including equal access and distribution of resources and opportunities arising from the protection of the property

An integrated management plan combining World Heritage and any other designations

A management plan

An annual work plan or business plan

A disaster, climate or conflict risk management plan

A visitor/visitation management plan

An environmental management framework

5.3.3 - Please give a brief description of the management system currently in place at your property

The Research Academy of Longmen Grottoes is responsible for research, conservation, safety and digital development of cultural property of Longmen Grottoes. The Administrative Committee for the World Cultural Heritage Area of Longmen Grottoes is responsible for management, planning, afforestation and construction relating to the property and is mandated to perform responsibilities authorized by the municipal government and commissioned by competent government agencies.

5.3.4 - Management Documents

Comment

Plan for the Area of Longmen Grottoes (enacted and put into force) and Protection and Management Plan for Longmen Grottoes (under preparation) .

5.3.5 - Has any use been made of the 2011 Recommendation on the Historic Urban Landscape in developing policies and best practices for the protection of this property?

**No use** has been made of the 2011 Recommendation on the Historic Urban Landscape

5.3.6 - If the Historic Urban Landscape Recommendation has been used at this property, please describe briefly what has been done.

No comment

5.3.7 - Has any use been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property?

**No use** has been made of the World Heritage Policy for Climate Change

5.3.8 - If the Climate Change policy has been used, please briefly describe what has been done along with any research on the impacts of Climate Change on the property:

No comment

5.3.9 - Has any use been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property ?

**No use** has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties

**5.3.10 - If the Strategy for Reducing Risks from Disasters at World Heritage Properties has been used, please briefly describe what has been done**  
No comment

**5.3.11 - Rate the coordination between the various levels of administration (i.e. national/federal; regional/provincial/state; local/municipal etc.) involved in the management of the World Heritage property**  
There is **adequate coordination** between all bodies/levels involved in the management of the property

**5.3.12 - Is the management system/plan adequate to maintain the property's Outstanding Universal Value?**  
The management system/plan is **fully adequate** to maintain the property's Outstanding Universal Value

**5.3.13 - Is the management system being implemented?**  
The management system is being **fully implemented and monitored**

**5.3.14 - Is there an annual work/action plan and is it being implemented?**  
An annual work/action plan **exists and all of its activities are being implemented and monitored**

**5.3.15 - Does the management system include formal mechanisms and procedures that ensure participation and contribution of the following groups, living within or near the World Heritage property and/or buffer zone in management decisions that maintain the Outstanding Universal Value of the property?**

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities					✕
5.3.15.2	Local authorities				✕	
5.3.15.3	Landowners in the property and the buffer zone					✕
5.3.15.4	Indigenous peoples	✕				
5.3.15.5	Women				✕	
5.3.15.6	Other specific groups	✕				
	If you selected, 'Other specific groups' please specify					

**5.3.16 - Please rate the cooperation/relationship between the World Heritage property managers/coordinators/staff and the following groups**

		Not applicable	Non-existent	Poor	Fair	Good
5.3.16.1	Local communities					✕
5.3.16.2	Local/Municipal authorities					✕
5.3.16.3	Indigenous peoples	✕				
5.3.16.4	Landowners					✕
5.3.16.5	Women					✕
5.3.16.6	Youth/Children					✕
5.3.16.7	Researchers					✕
5.3.16.8	Local Visitors/Tourists					✕
5.3.16.9	National/International tourists					✕
5.3.16.10	Tourism Industry					✕
5.3.16.11	Local businesses and industries					✕
5.3.16.12	NGOs					✕
5.3.16.13	Other specific groups	✕				
	If you selected 'Other specific groups', please specify					

**5.3.17 - Please rate the extent to which the management system of your property contributes towards achieving the objectives of the World Heritage Committee's Policy for the Integration of a Sustainable Development Perspective into the Processes of the *World Heritage Convention***

		Not applicable	No contribution	Limited	Significant	Full achievement
5.3.17.1	The management system of the property contributes to gender equality				✕	
5.3.17.2	The management system of the property provides ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)				✕	
5.3.17.3	The management system of the property contributes to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status				✕	
5.3.17.4	The management system of the property integrates a human rights-based approach				✕	
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood				✕	
5.3.17.6	The management system of the property contributes to conflict prevention, including respect for cultural diversity within and around the World Heritage property					✕

**5.3.18 - Please provide further details on the ratings of the management system given in the table above**

The Scenic Area of Longmen Grottoes enables integrated management of settlement land, transit roads, ecological environment on both banks of Yihe River and industrial production. The scenic area has a good ecological environment, bringing greater happiness to local residents. Operation of tourist service facilities, such as battery shuttle buses, boats and parking lots have created numerous jobs.

**5.3.19 - Comments, conclusions and/or recommendations related to the management system/plan**

Management has been exercised in such fields as cultural property protection, scenic area planning, culture-tourism integration, ecosystem building, reputation upgrading, and epidemic control, in order to better protect and transmit the World Cultural Heritage property.

6. Financial and Human Resources

6.1. Funding

**6.1.1 - If your funding sources do not exactly fit those shown, put the relevant amounts against the funding type that most closely represents your situation, and use the comment box below to provide more details.**

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	0 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	0 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	2 %	0 %
6.1.1.7	Governmental (regional/provincial/state)	1 %	0 %

6.1.1.8	Governmental (local/municipal)	62 %	51 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	8 %	0 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
6.1.1.12	Other	27 %	49 %
		Total 100 %	Total 100 %

**6.1.2 - Please comment here on any other aspects of funding sources not covered in the table above**

Above-mentioned other funds are mainly mobilized by public institutions themselves.

**6.1.3 - Is the current budget sufficient to manage the World Heritage property effectively?**

The available **budget is acceptable** but **could be further improved** to fully meet the management needs

**6.1.4 - Are the existing sources of funding secure and likely to remain so?**

The existing sources of funding are **secure over the medium-term** and **planning is underway to secure funding over the long-term**

**6.1.5 - Comments, conclusion, and/or recommendations related to finance and infrastructure**

Luoyang Municipal Government has provided strong support for the protection and operation of the property and earmarks huge funds annually for the research and preservation of cultural property in Longmen Grottoes.

**6.1.6 - Estimate the distribution of men and women involved in the management, conservation, interpretation of the World Heritage properties and the extent to which they are drawn from local communities.**

		From local communities %	From elsewhere %
6.1.6.1	Men	60 %	70 %
6.1.6.2	Women	40 %	30 %
		Total 100 %	Total 100 %

**6.1.7 - Are available human resources adequate to manage the World Heritage property?**

Human resources **partly meet** the management needs of the World Heritage property

**6.1.8 - Considering the management needs of the World Heritage property, please rate the availability of professionals in the following disciplines**

Conservation	Good
Environmental sustainability	Good
Community participation and inclusion	Fair
Risk preparedness	Good
Capacity development and education	Fair
Administration	Good
Research and monitoring	Good
Awareness raising and public information/communication	Good
Marketing and promotion	Good
Interpretation	Fair
Visitor management/tourism	Good
Enforcement (custodians, police)	Good

**6.1.9 - Please rate the availability of training opportunities for the management of the World Heritage property in the following disciplines**

Conservation	Good
Environmental sustainability	Good
Community participation and inclusion	Good
Risk preparedness	Good
Capacity development and education	Good
Administration	Fair
Research and monitoring	Good
Awareness raising and public information/communication	Good
Marketing and promotion	Fair
Interpretation	Good
Visitor management/tourism	Good
Enforcement (custodians, police)	Fair

**6.1.10 - Has any use been made of the World Heritage Strategy for Capacity Building at the property?**

**Some use** has been made of the World Heritage Strategy for Capacity Building

**6.1.11 - If the World Heritage Strategy for Capacity Building has been used, please briefly describe what has been done.**

The management body actively participates in trainings on cultural property protection and research, heritage area management, and tourism management. In the future, more front-line staff members will be organized to participate in trainings on more diverse subjects.

**6.1.12 - Are there site-specific capacity building plans or programmes that develop local expertise and that contribute to the transfer of skills for the conservation and management of the World Heritage property?**

A **site-based** capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, **but most technical work is carried out by external staff**

**6.1.13 - Comments, conclusions and/or recommendations related to human resources, expertise and training**

The management body often organize its staff to participate in various types of training to enhance their management and technical capacities. But due to limited staffing, much work has to be commissioned to the third party. It is hoped that more staff members would be recruited to meet needs of daily management.

**7. Scientific Studies and Research Projects**

**7.1 - Is there adequate knowledge (scientific or traditional) about the values and attributes of the World Heritage property to support planning, management and decision-making to ensure that Outstanding Universal Value is maintained?**

Knowledge about the values and attributes of the World Heritage property is **acceptable** for most key areas but there are gaps

**7.2 - Is there a planned programme of research at the property which is directed towards management needs and/or improving understanding of Outstanding Universal Value?**

There is a **comprehensive, integrated programme** of research, which is relevant to management needs and/or improving understanding of Outstanding Universal Value

**7.3 - Are results from research programmes publicly available and disseminated?**

Research results are **shared widely with active outreach** to local communities and national and international audiences

7.4 - Comments, conclusions and/or recommendations related to scientific studies and research projects

In 2020, the Research Academy of Longmen Grottoes organized the Release Ceremony for Major Research Results & Academic Conference Celebrating the 20th Anniversary of the Inscription of Longmen Grottoes on the World Heritage List. The Academy has collaborated with Chinese and foreign research institutions and universities to jointly carry out research and protection of the property.

8. Education, Information and Awareness Building

8.1 - Please rate the awareness and understanding of the existence and justification for inscription of the World Heritage property amongst the following groups

Local communities	Good
Local/municipal authorities	Good
Indigenous peoples	Not applicable
Landowners	Fair
Women	Good
Youth/children	Good
Researchers	Good
Local visitors	Good
National/international tourists	Good
Tourism industry	Good
Local businesses and industries	Fair
NGOs	Good
Other specific groups	Not applicable
If you selected 'Other specific groups', please describe	

8.2 - Does the property have a heritage education programme(s) for children and/or youth, that can contribute to a better understanding of heritage, promote diversity and foster intercultural dialogue?

There is a planned education and awareness programme for children and/or youth but it only partly meets the needs

8.3 - Who are the target audiences for education and awareness programmes at your property?

Local communities
Local/municipal authorities
Landowners
Women
Youth/children
Researchers
Local Visitors
National/international tourists

8.4 - Please rate the adequacy of the following visitor facilities and services at the World Heritage property for education, information, interpretation and awareness building

Visitor centre	Fair
Site museum	Fair
Information booths	Fair
Guided tours	Good
Trails/routes	Good
Printed information materials	Fair
Online (website, social media, etc.)	Fair
Transportation facilities	Good
Other	Not needed
If 'Other' is selected, please specify	

8.5 - Comments, conclusions and/or recommendations related to education, information and awareness building

Several exhibitions have been presented in recent years, including the Joint Exhibition of Dunhuang, Yungang and Longmen Grotto Art, "Light of Buddha from the Wei and Tang Period: An Exhibition of Cultural Property in Longmen Grottoes" held in Guangdong Museum, and the Exhibition of Statues of Longmen Grottoes from the Wei and Tang Period co-organized by the Research Academy of Longmen Grottoes and Shenzhen Museum.

9. Visitor Management

9.1 - Please provide estimated annual visitor numbers (including national and international visitors) since the last Periodic Report

3647729 / 4068000 / 3968100 / 3670000 / 3495800 /
---

9.2 - What information sources are used to collect visitor statistics?

Entry tickets and registries
Tourism industry
Visitor surveys

9.3 - What is the average length stay of a visitor to the World Heritage property?

One to three hours

9.4 - Please provide the source of information

Data collected and conclusions drawn based on the Monitoring and Early Warning Platform for World Cultural Heritage of China and daily surveys and interviews

9.5 - What is the approximate average daily visitor expenditure? (Please provide an estimated monetary figure in USD)

30 / 15 / 12 / 15 / 15 / 15 /
-------------------------------

9.6 - Please provide the source of information

Conclusions drawn based on daily surveys and interviews.

9.7 - Does the management system/plan for the World Heritage property include a strategy with an action plan to manage visitors, tourism activity and its derived economic, socio-cultural and environmental impacts?  
There is a **strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are **some deficiencies in implementation**

9.8 - Please provide any comments relating to the answer provided above in question 9.7

Management of tourists and tourist activities is exercised in accordance with the Regulations of Luoyang Municipality for the Protection and Management of Longmen Grottoes. Nevertheless, overcrowding may also occur during peak time. In the future, visitation restrictions, visits on non-rush hours, and admission booking will be put in place to ensure more effective management of tourist activities.

9.9 - Is visitor use effectively managed to maintain the Outstanding Universal Value of the property?

Visitor use of the World Heritage property is managed but **improvements could be made**

9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, using a different system

If a different system, please specify

Based on the monitoring and early warning system and the intelligent scenic area

9.11 - How does the tourism industry cooperate with the site management to improve visitor experiences and maintain the Outstanding Universal Value of the World Heritage property?

There is **limited cooperation** between those responsible for the World Heritage property and the tourism industry **to present the Outstanding Universal Value and increase appreciation**

9.12 - How well is the information on the Outstanding Universal Value of the property presented and interpreted?

The presentation and interpretation of the Outstanding Universal Value of the property is **acceptable but improvements could be made**

9.13 - At how many locations is the World Heritage emblem displayed at the property?

In **many locations** and **easily visible** to visitors

9.14 - How does visitor/tourism revenue (e.g. entry charges, permits) contribute to the management of the World Heritage property?

**Fees are collected** and make a **substantial contribution** to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

Designated as UNWTO MCSTO. "Internet + Intelligent Scenic Area" under implementation in recent years.

9.16 - Are the benefits of tourism shared with local communities?

Yes

If 'Yes', please specify

Operation of battery shuttle buses, boats and parking lots in the scenic area have created numerous jobs for local residents.

9.17 - Comments, conclusions and/or recommendations related to visitation/tourism/public use of the World Heritage property

Surrounding environments and business operations have been upgraded, with an aim to build Longmen Grottoes into a harmonious destination of cultural tourism.

10. Monitoring

10.1 - Is there a monitoring programme at the property directed towards management needs and/or towards improving the understanding of the Outstanding Universal Value?

There is a **comprehensive, integrated programme of monitoring**, which is relevant to management needs and/or improving understanding of the Outstanding Universal Value

10.2 - Is necessary information available in order to define key indicators for measuring the state of conservation and are they used in monitoring how the Outstanding Universal Value of the property is being maintained?

Information on the values of the World Heritage property is **adequate** and **key indicators have been defined** but **monitoring of the status of indicators could be improved**

10.3 - Are key indicators defined and in place for the following principal aspects of the property?

	Extend of indicators	Not applicable	No indicators	Indicators have been defined but are not yet in use	Indicators are in place and in use since the last Periodic Reporting cycle
10.3.1	State of conservation				×
10.3.2	Effectiveness of the management system				×
10.3.3	Character of governance				×
10.3.4	Appropriate synergy with other conservation designations				×
10.3.5	Contribution to sustainable development				×
10.3.6	Capacity development				×

10.4 - Please provide information on relevant key indicators adopted at the property

Key indicators include monitoring of attributes, diseases, impact factors, conservation and research, institutional and capacity building.

10.5 - Please rate the level of involvement in monitoring of the following groups:

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Fair
Local communities	Fair
Indigenous peoples	Not applicable
Landowners	Fair
Women	Fair
Researchers	Fair
Tourism industry	Poor
Local businesses and industry	Poor
NGOs	Non-existent
Other specific groups	Not applicable
If you selected 'Other specific groups', please specify	

10.6 - Has the State Party implemented relevant recommendations arising from the World Heritage Committee?

No relevant Committee recommendations to implement

10.7 - Please provide comments relevant to the implementation of recommendations from the World Heritage Committee.

Strengthening inspection and supervision of the property and enhancing conservation and monitoring capacity .

10.8 - Comments, conclusions and/or recommendations related to Monitoring

Timely upgrading and innovating the monitoring system platform, regularly maintaining and updating monitoring equipment and facilities, and improving monitoring capacity and monitoring management.

11. Identification of Priority Management Needs



11.1 - Identification of Priority Management Needs

5.2	Protective Measures	
5.2.4	The legal framework in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property is inadequate	X
5.3	Management System/Management Plan	
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	X
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	X
6.1	Funding	
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	X
6.1.7	Human resources partly meet the management needs of the World Heritage property	X
6.1.10	Some use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	X
6.1.12	A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally. but most technical work is carried out by external staff	X
8	Education, Information and Awareness Building	
8.2	There is a planned education and awareness programme for children and/or youth but it only partly meets the needs	X
9	Visitor Management	
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation	X
9.9	Visitor use of the World Heritage property is managed but improvements could be made	
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation	
9.12	The presentation and interpretation of the Outstanding Universal Value of the property is acceptable but improvements could be made	
10	Monitoring	
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved	X

Please select 0 more issues.

☒ Please save this question to reflect changes

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.1	Buildings and Development							
4.1.1	Housing	Old and shabby houses and village dwellings may have visual impact on the appearance of the property area.	Removing or merging some villages and townships and painting existing residential buildings .	Interviews and surveys	Ongoing	Administrative Committee for the World Cultural Heritage Property "Longmen Grottoes"	No comment	
4.6	Physical resource extraction							
4.6.4	Water (extraction)	Groundwater exploitation has resulted in hot spring cutoff in Longmen Hill and affected its geological structure.	Regulation of hot spring and groundwater exploitation in Longmen Hill has been put in place and some hot springs have been closed .	Regular monitoring of groundwater.	Ongoing	Research Academy of Longmen Grottoes, Administrative Committee for the World Cultural Heritage Property "Longmen Grottoes"	No comment	
4.7	Local conditions affecting physical fabric							
4.7.1	Wind	Weathering and peeling off of statues and aggravating diseases in endangered rocks have impact on sculptures, statues, steles and inscriptions.	Adding eaves to grottoes and consolidating rocks in danger	Meteorological and environmental monitoring and surface weathering monitoring	Ongoing	Research Academy of Longmen Grottoes	No comment	
4.7.2	Relative humidity	Heavy humidity inside caves has impact on sculptures, statues, steles and inscriptions and affect the scale and cultural connotations of existing statues.	Grouting cracks and adding eaves to caves so as to prevent water from flowing into caves and reduce humidity .	Monitoring of micro environment, seepage and leakage, and moisture condensation	Ongoing	Research Academy of Longmen Grottoes	No comment	
4.7.3	Temperature	Too much lower or higher temperature may cause freeze-thawing of capillary water and damage surface of statues, thus having impact on sculptures, statues, steles and inscriptions .	N/A	Meteorological monitoring and micro environment monitoring .	Ongoing	Research Academy of Longmen Grottoes	No comment	
4.7.4	Radiation/Light							
4.7.5	Dust							
4.7.6	Water (rain/water table)							
4.10	Climate change and severe weather events							
4.10.1		Storms						
4.10.6	Temperature change	Excessive temperature difference may cause peeling off and weathering of property surface, having impact on sculptures, statues, steles and inscriptions.	N/A	Meteorological monitoring and micro environment monitoring	Ongoing	Research Academy of Longmen Grottoes	No comment	

Question not completed

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.2	Protective Measures				
5.2.4	The <b>legal framework</b> in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property is <b>inadequate</b>	The Protection and Management Plan for Longmen Grottoes under revision and the buffer zone to be incorporated into China's cultural heritage conservation system.	Ongoing	Research Academy of Longmen Grottoes	No comment
5.3	Management System/Management Plan				
5.3.7	<b>No use</b> has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	Strengthening learning and training on climate documents and policies.	Ongoing	Research Academy of Longmen Grottoes	No comment
5.3.9	<b>No use</b> has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	Strengthening learning and training on the Strategy for Reducing Risks from Disasters at World Heritage Properties .	Ongoing	Research Academy of Longmen Grottoes	No comment
6.1	Funding				
6.1.3	The available <b>budget is acceptable</b> but <b>could be further improved</b> to fully meet the management needs of the World Heritage property	Increasing support for funding application and properly planning the use of funds .	Ongoing	Research Academy of Longmen Grottoes	No comment
6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property	From 2019, recruiting more technical professionals to meet protection and management needs .	Ongoing	Research Academy of Longmen Grottoes	No comment
6.1.10	<b>Some use</b> has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	Actively organizing or participating in trainings on World Heritage monitoring, guiding, safety and fire control, financial knowledge and protection and management of Longmen Grottoes	Ongoing	Research Academy of Longmen Grottoes	No comment
6.1.12	<b>A site-based</b> capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, <b>but most technical work is carried out by external staff</b>	Regularly inviting external experts for seminars and symposiums and improving technical and management capacity of front-line management staff .	Ongoing	Research Academy of Longmen Grottoes	No comment
8	Education, Information and Awareness Building				
8.2	There is a planned education and awareness programme for children and/or youth <b>but it only partly meets the needs</b>	Cooperation with university in research projects	Ongoing	Research Academy of Longmen Grottoes	No comment
9	Visitor Management				
9.7	There is a <b>strategy</b> to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are <b>some deficiencies in implementation</b>	Extending opening hours, strengthening management and training of tour guides and narrators, expanding parking areas, guiding tourists to behave themselves, and designing loop routes for sightseeing	Ongoing	Administrative Committee for the World Cultural Heritage Property "Longmen Grottoes"	No comment
10	Monitoring				
10.2	Information on the values of the World Heritage <b>property is adequate and key indicators have been defined</b> but <b>monitoring of the status of indicators could be improved</b>	A complete monitoring system targeting cultural property and tourists has been put in place but still need improvement and renovation .	Ongoing	Research Academy of Longmen Grottoes	No comment

Summary - Management Needs completed

### 12.3. Conclusions on the State of Conservation of the Property

#### 12.3.1 - Following the analysis undertaken for this report, what is the current state of Authenticity of the World Heritage property?

The Authenticity of the World Heritage property **has been preserved**

#### 12.3.2 - Following the analysis undertaken for this report, what is the current state of Integrity of the World Heritage property?

The Integrity of the World Heritage property is **intact**

#### 12.3.3 - Following the analysis undertaken for this report, what is the current state of the World Heritage property's Outstanding Universal Value?

The World Heritage property's Outstanding Universal Value has been **maintained**.

#### 12.3.4 - What is the current state of the property's other values?

Other important cultural and/or natural values and the state of conservation of the World Heritage property are **intact**

#### 12.3.5 - Comments, conclusions and/or recommendations related to the state of conservation of the property.

Longmen Grottoes as a World Heritage property has been placed under good conservation. All targeted conservation works have achieved desirable effects. The property is currently in a safe and stable state. Its conservation work will be further improved under the leadership of the National Cultural Heritage Administration and governments at all levels.

13. Impact of World Heritage Status

13.1 - Please rate the impacts of World Heritage status of the property in relation to the following areas

Conservation	Very positive
Research and monitoring	Very positive
Management effectiveness	Positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Positive
Education	Very positive
Infrastructure development	Positive
Funding for the property	Very positive
International cooperation	Very positive
Political support for conservation	Very positive
Legal/Policy framework	Very positive
Advocacy	Positive
Institutional coordination	Positive
Security	Very positive
Gender equality	Very positive
Provision of ecosystem services/ benefits to local communities	Very positive
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Very positive
Fostering inclusive local economic development and enhancing livelihood	Very positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Very positive
Other	Not applicable
If 'Other', please specify	

13.2 - Comments, conclusions and/or recommendations related to World Heritage status and its impacts

With financial and technical support, the conservation and research staff have worked hard to protect Longmen Grottoes. Much more work will be done its protection and management.

14. Good Practice in the Implementation of the World Heritage Convention

14.1 - Example of good practice in World Heritage protection, identification, conservation or management at the property level

Several results have been achieved in the conservation, research, monitoring and digitalization of the property. 1. Conservation works for consolidation of endangered rocks, drainage treatment for cliff surface, anti-seepage and grouting, and installation of drains at cliff tops in the area north of Wanfogou have been completed, with good results achieved. Endangered cave rocks, seepage and leakage have been brought under control to certain extent. 2. The project for disease survey and assessment has been completed to forecast disease trends, grading the state of conservation of caves, and proposing response measures. 3. The monitoring and early warning system has been fully developed, with 37 monitoring points installed at the West and East Hills and major caves. The number of monitoring indicators adds up to 192. 4. Archaeological research has been conducted at Leigutai in the East Hill, Wanfogou, and Xiangshan Temple. "Archaeology Report onLongmen Grottoes: Leigutai in the East Hill" was published. 5. A number of books were published, such as the History of Longmen Grottoes and Donors of Longmen Grottoes. Dozens of research papers were published in core periodicals. 6. 3D digital scanning has been carried out in several caves. The Digital Longmen Database (Phase 1) was launched. Virtual restoration of the niche enshrining the Statue of Avalokitesvara Bodhisattva on the south wall of the front chamber of the Thousand-Buddha Cave has been completed. 3D printing of the virtually restored statue was made. The AR statue is presented in the cave.

14.2 - Define which topics are covered by this example of best practice at the property level

Sustainable Development
Synergies
State of Conservation
Management
Governance
Capacity Building

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

15.1.1 - Has the Periodic Reporting process improved the understanding of the following?

The World Heritage Convention
The concept of Outstanding Universal Value
The property's Outstanding Universal Value
The concept of Integrity and/or Authenticity
The property's Integrity and/or Authenticity
Management effectiveness to maintain the Outstanding Universal Value
Monitoring and reporting

15.1.2 - Please rate the follow-up to conclusions and recommendations from previous Periodic Reporting exercise by the following entities

State Party	Good
Site Managers	Good
UNESCO World Heritage Centre	Good
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Good

15.2. Use of Data

15.2.1 - How do the authorities in charge of the property plan to use the data recorded from this cycle of Periodic Reporting?

Revision of priorities/strategies/policies for the protection, management and conservation of heritage
Update of management plans
Fundraising
Awareness raising

**15.2.2 - Comments on use of data from the Cycle of Periodic Reporting**

Most data in this periodic report comes from the Monitoring and Early Warning Platform for World Cultural Heritage of China. Annual monitoring reports recorded in the platform are very helpful to completing this questionnaire.

**15.3. Timing and resources****15.3.1 - Entities involved in the filling out of this online questionnaire (tick as many boxes as applicable)**

Governmental institutions responsible for cultural and natural heritage

Site Manager/Coordinator World Heritage property staff

External experts

**15.3.2 - Has a gender balanced contribution and participation been considered in the filling out of this questionnaire?**

Gender balance has been **given limited consideration** and implementation is in process.

**15.3.3 - Were you given adequate time (i.e. roughly ten months) to gather necessary information and to fill in this questionnaire?**

No

**15.3.4 - Please estimate the time (working hours) needed to complete this questionnaire**

80 / 40 / 80 /

**15.3.5 - Did you mobilise any additional resources to fill out this questionnaire?**

	Additional resources	No	Yes
15.3.5.1	Human resources		✗
15.3.5.2	Financial resources for organizing consultation meetings/ training		✗

**15.4. Format and content of the Periodic Report****15.4.1 - How accessible was the information required to complete this questionnaire?**

**Most** required information was accessible.

**15.4.2 - Was the questionnaire easy to use and clear to understand?**

		Very Difficult	Difficult	Easy	Very easy
15.4.2.1	Ease of use of questionnaire			✗	
15.4.2.2	Clarity of questions			✗	

**15.4.3 - Please provide suggestions for improvement of the Periodic Reporting questionnaire**

It is suggested that the online reporting system should be upgraded in order to maintain and enhance its stability. The online reporting system sometimes did not work well, reducing efficiency and correctness in filling in the questionnaire and causing difficulty in providing authentic information.

**15.5. Training and Guidance****15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire**

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Fair
UNESCO National Commission	Good
ICOMOS International	Fair
IUCN International	Fair
ICCROM international/regional	Fair
ICOMOS national/regional	Fair
IUCN national/regional	Not applicable

**15.5.2 - Please rate the level of support for completing the Periodic Reporting questionnaire from the following entities**

UNESCO World Heritage Centre	Good
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Fair
National Commission for UNESCO	Fair
ICOMOS International	Fair
ICCROM International/regional	Good
ICOMOS national/regional	Fair
IUCN national/regional	Fair
IUCN International	Not applicable

**15.5.3 - Were the online training resources prepared by the World Heritage Centre regarding Periodic Reporting adequate for you to complete this questionnaire?**

Yes

**15.5.4 - If you found that the online training resources were not adequate, what changes would you like to see implemented?**

Regularly adding new training materials and videos.

**15.6. Actions that will require formal consideration by the World Heritage Committee****15.6.1 - Summary of actions that will require formal consideration by the World Heritage Committee**

- Geographic information table**

Reason for update: According to the latest mapping results, Fengxian Temple's coordinates should be N34°33'10" E112°28'12". The area of the buffer zone recorded in the database of the World Heritage Centre is not consistent with what is indicated in the nomination dossier. Latest maps will be submitted soon. The area of the buffer zone indicated in the latest maps will be 711 ha.

- Map(s)**

Reason for update: Pursuant to the requirement of the World Heritage Centre, updated maps will be submitted soon.

Changes to these items will need to go through the proper processes.

**15.7. Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise****15.7.1 - Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise**

Periodic Reporting is an extremely important and necessary task. Learning about all kinds of situations and issues relating to World Heritage properties happening over years helps us to become informed of the development and

trend of World Heritage properties and provide better services for their conservation. There are some technical problems existing in this online reporting system. For example, Section 15.3.4 will return to its original state after the feedback content was revised and saved.

**15.7.2 - Thank you for having filled in all the questions. Please contact your National Focal Point for validation.**