

# Western Ghats

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property

Western Ghats

### 1.2 - World Heritage property details

### 1.3 - Geographic information table


Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Kalakad-Mundanthurai Tiger Reserve	8.53 / 77.25	89500	?	89500	
Shendurney Wildlife Sanctuary	8.53 / 77.25	17100	?	17100	
Neyyar Wildlife Sanctuary	8.53 / 77.25	128000	?	128000	
Peppara Wildlife Sanctuary	8.53 / 77.25	5300	?	5300	
Kulathupuzha Range	8.53 / 77.25	20000	?	20000	
Palode Range	8.53 / 77.25	16500	?	16500	
Periyar Tiger Reserve	9.486 / 77.21	77700	?	77700	
Ranni Forest Division	9.486 / 77.21	82853	?	82853	
Konni Forest Division	9.486 / 77.21	26143	?	26143	
Achankovil Forest Division	9.486 / 77.21	21990	?	21990	
Srivilliputtur Wildlife Sanctuary	9.486 / 77.21	48500	?	48500	
Tirunelveli (North) Forest Division (part)	9.486 / 77.21	23467	?	23467	
Eravikulam National Park (and proposed extension)	10.218 / 77.18	12700	?	12700	
Grass Hills National Park	10.384 / 77.18	3123	?	3123	
Karian Shola National Park	10.384 / 77.18	503	?	503	
Karian Shola (part of Parambikulam Wildlife Sanctuary)	10.384 / 77.18	377	?	377	
Mankulam Range	10.384 / 77.18	5284	?	5284	
Chinnar Wildlife Sanctuary	10.384 / 77.18	9044	?	9044	
Mannavan Shola	10.384 / 77.18	1126	?	1126	
Silent Valley National Park	11.331 / 76.309	8952	?	8952	
New Amarambalam Reserved Forest	11.331 / 76.309	24697	?	24697	
Mukurti National Park	11.331 / 76.309	7850	?	7850	
Kalikavu Range	11.331 / 76.309	11705	?	11705	
Attapadi Reserved Forest	11.331 / 76.309	6575	?	6575	
Pushpagiri Wildlife Sanctuary	12.546 / 75.708	10259	?	10259	
Brahmagiri Wildlife Sanctuary	12.546 / 75.708	18129	?	18129	
Talacauvery Wildlife Sanctuary	12.546 / 75.708	10500	?	10500	
Padinalknad Reserved Forest	12.546 / 75.708	18476	?	18476	
Kerti Reserved Forest	12.546 / 75.708	7904	?	7904	
Aralam Wildlife Sanctuary	12.546 / 75.708	5500	?	5500	
Kudremukh National Park	13.5 / 75.101	60032	?	60032	
Someshwara Wildlife Sanctuary	13.5 / 75.101	8840	?	8840	
Someshwara Reserved Forest	13.5 / 75.101	11292	?	11292	
Agumbe Reserved Forest	13.5 / 75.101	5709	?	5709	

Balahalli Reserved Forest	13.5 / 75.101	2263	?	2263	
Kas Plateau	17.172 / 73.727	1142	?	1142	
Koyna Wildlife Sanctuary	17.172 / 73.727	42355	?	42355	
Chandoli National Park	17.172 / 73.727	30890	?	30890	
Radhanagari Wildlife Sanctuary	17.172 / 73.727	28235	?	28235	
<b>Total (ha)</b>		<b>910515</b>	<b>0</b>	<b>910515</b>	

## Comment

Correct entry for site element 1342rev-003: Neyyar Wildlife Sanctuary should read 12,800 ha instead of 128,000 ha. Correct sum of total area should read 795,315 ha instead of 910,515 ha.

## 1.4 - Map(s)

Title	Date	Link to source
Western Ghats - Inscribed Property	2012	

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

### 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) <u>is</u> designated and/or protected under this convention/programme	The World Heritage property (in whole or in part) <u>is not</u> 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)		✗
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)		✗
2.1.3	<b>The List of Wetlands of International Importance (The Ramsar List)</b> (Convention on Wetlands of International Importance (Ramsar Convention))		✗
2.1.4	<b>World Network of Biosphere Reserves</b> Man and the Biosphere (MAB) Programme	✗	
2.1.5	<b>Global Geoparks Network</b> UNESCO Global Geoparks		✗

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

Nilgiri Biosphere Reserve (2000); Agasthyamala Biosphere Reserve (2016)

### 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	1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict	
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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>2.7.2</b>	<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.	✕
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>2.7.3</b>	<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</b>	<b>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</b>	<b>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)

## 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?

Not aware

## 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

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

Not aware

## 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.

## 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 Western Ghats are internationally recognized as a region of immense global importance for the conservation of biological diversity, besides containing areas of high geological, cultural and aesthetic values. A chain of mountains running parallel to India's western coast, approximately 30-50 km inland, the Ghats traverse the States of Kerala, Tamil Nadu, Karnataka, Goa, Maharashtra and Gujarat. These mountains cover an area of around 140,000 km<sup>2</sup> in a 1,600 km long stretch that is interrupted only by the 30 km Palghat Gap at around 11°N.

Older than the great Himalayan mountain chain, the Western Ghats of India are a geomorphic feature of immense global importance. The Outstanding Universal Value of the Western Ghats is manifested in the region's unique and fascinating influence on large-scale biophysical and ecological processes over the entire Indian peninsula. The mountains of the Western Ghats and their characteristic montane forest ecosystems influence the Indian monsoon weather patterns that mediate the

warm tropical climate of the region, presenting one of the best examples of the tropical monsoon system on the planet. The Ghats act as a key barrier, intercepting the rain-laden monsoon winds that sweep in from the south-west during late summer.

A significant characteristic of the Western Ghats is the exceptionally high level of biological diversity and endemism. This mountain chain is recognized as one of the world's eight 'hottest hotspots' of biological diversity along with Sri Lanka. The forests of the Western Ghats include some of the best representatives of non equatorial tropical evergreen forests in the world. At least 325 globally threatened (IUCN Red Data List) species occur in the Western Ghats. The globally threatened flora and fauna in the Western Ghats are represented by 229 plant species, 31 mammal species, 15 bird species, 43 amphibian species, 5 reptile species and 1 fish species. Of the total 325 globally threatened species in the Western Ghats, 129 are classified as Vulnerable, 145 as Endangered and 51 as Critically Endangered.

**Criterion (ix):** The Western Ghats region demonstrates speciation related to the breakup of the ancient landmass of Gondwanaland in the early Jurassic period; secondly to the formation of India into an isolated landmass and the thirdly to the Indian landmass being pushed together with Eurasia. Together with favourable weather patterns and a high gradient being present in the Ghats, high speciation has resulted. The Western Ghats is an "Evolutionary Ecotone" illustrating "Out of Africa" and "Out of Asia" hypotheses on species dispersal and vicariance<sup>(b1)</sup>

**Criterion (x):** The Western Ghats contain exceptional levels of plant and animal diversity and endemism for a continental area. In particular, the level of endemism for some of the 4-5,000 plant species recorded in the Ghats is very high: of the nearly 650 tree species found in the Western Ghats, 352 (54%) are endemic. Animal diversity is also exceptional, with amphibians (up to 179 species, 65% endemic), reptiles (157 species, 62% endemic), and fishes (219 species, 53% endemic). Invertebrate biodiversity, once better known, is likely also to be very high (with some 80% of tiger beetles endemic). A number of flagship mammals occur in the property, including parts of the single largest population of globally threatened 'landscape' species such as the Asian Elephant, Gaur and Tiger. Endangered species such as the lion-tailed Macaque, Nilgiri Tahr and Nilgiri Langur are unique to the area. The property is also key to the conservation of a number of threatened habitats, such as unique seasonally mass-flowering wildflower meadows, Shola forests and Myristica swamps.

## Integrity

The property is made up of 39 component parts grouped into 7 sub-clusters. The serial approach is justified in principle from a biodiversity perspective because all 39 components belong to the same biogeographic province, and remain as isolated remnants of previous contiguous forest. The justification for developing a serial approach rather than just identifying one large protected area to represent the biodiversity of the Western Ghats is due to the high degree of endemism, meaning that species composition from the very north of the mountains to 1,600km south varies greatly, and no one site could tell the story of the richness of these mountains. The formulation of this complex serial nomination has evolved through a consultative process drawing on scientific analysis from various sources. <sup>(b5)</sup> The 39 component parts grouped into 7 sub-clusters together reflect the Outstanding Universal Value of the property and capture the range of biological diversity and species endemism in this vast landscape.

## Protection and management requirements

The 39 component parts of this serial property fall under a number of protection regimes, ranging from Tiger Reserves, National Parks, Wildlife Sanctuaries, and Reserved Forests. All components are owned by the State and are subject to stringent protection under laws including the Wildlife (Protection) Act of 1972, the Indian Forest Act of 1927, and the Forest Conservation Act (1980). Through these laws the components are under the control of the Forestry Department and the Chief Wildlife Warden, providing legal protection. 40% of the property lies outside of the formal protected area system, mostly in Reserved Forests, which are legally protected and effectively managed. The Forest Conservation Act (1980) provides the regulatory framework to protect them from infrastructure development.

Integrating the management of 39 components across 4 States is a challenge, for which a 3-tier governance mechanism is required that will operate at the Central, State and Site levels to provide effective coordination and oversight to the 39 components. A Western Ghats Natural Heritage Management Committee (WGNHMC) under the auspices of the Ministry of Environment of Forests (MoEF), Government of India to deal with coordination and integration issues is already functional. All 39 components in the 7 sub-clusters are managed under specific management / working plans duly approved by the State/Central governments. The livelihood concerns of the local communities are regulated by the Forest Rights Acts, 2006 and their participation in governance is ensured through Village Ecodevelopment Committees (VECs).

**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	The OUV of the Western Ghats is manifested in the region's unique and fascinating influence on large-scale biophysical and ecological processes over the entire Indian peninsula	✗			
3.2.2	A significant characteristic of the Western Ghats is the exceptionally high level of biological diversity and endemism and is one of the world's eight 'hottest hotspots' of biological diversity	✗			
3.2.3	Together with favourable weather patterns and a high gradient being present in the Ghats, the Western Ghats region demonstrates speciation related to the breakup of the ancient landmass of Gondwanaland	✗			
3.2.4	The forests of the Western Ghats include some of the best representatives of non-equatorial tropical evergreen forests in the world	✗			
3.2.5	Animal diversity is also exceptional, with amphibians (up to 179 species, 65% endemic), reptiles (157 species, 62% endemic), and fishes (219 species, 53% endemic)	✗			
3.2.6	A number of flagship mammals occur in the property, including parts of the single largest population of globally threatened 'landscape' species such as the Asian Elephant, Gaur and Tiger	✗			
3.2.7	Endangered species such as the lion-tailed Macaque, Nilgiri Tahr and Nilgiri Langur are unique to the area	✗			
3.2.8	The property is also key to the conservation of a number of threatened habitats, such as unique seasonally mass-flowering wildflower meadows, Shola forests and Myristica swamps	✗			
3.2.9	The serial approach of 39 component parts grouped into 7 sub-clusters together reflect the Outstanding Universal Value of the property and capture the range of biological diversity and species endemism in this vast landscape	✗			
3.2.10	All components parts of the serial property are owned by the State and are subject to stringent protection under laws including the Wildlife (Protection) Act of 1972, the Indian Forest Act of 1927, and the Forest Conservation Act (1980)	✗			

3.2.11	The livelihood concerns of the local communities are regulated by the Forest Rights Acts, 2006 and their participation in governance is ensured through Village Ecodevelopment Committees (VECs).	✕			
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

## 4. Factors Affecting the Property

### 4.1. Buildings and Development

#### 4.1.1 - Housing

Relevant	✕ Not relevant
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#### 4.1.2 - Commercial development

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

#### 4.1.3 - Industrial areas

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

#### 4.1.4 - Major visitor accommodation and associated infrastructure

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

#### 4.1.5 - Interpretative and visitation facilities

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

### 4.2. Transportation Infrastructure

#### 4.2.1 - Ground transport infrastructure

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

#### 4.2.2 - Underground transport infrastructure

Relevant	 Not relevant
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#### 4.2.3 - Air transport infrastructure

Relevant	 Not relevant
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#### 4.2.4 - Marine transport infrastructure

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

Relevant	 Not relevant
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#### 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

Transportation infrastructure is affecting both positively (providing connectivity in rural areas) & negatively (increased commercial development).

### 4.3. Services Infrastructures














#### 4.3.1 - Water infrastructure

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

#### 4.3.2 - Renewable energy facilities

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

#### 4.3.3 - Non-renewable energy facilities

Relevant	 Not relevant
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#### 4.3.4 - Localised utilities

Relevant	 Not relevant
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#### 4.3.5 - Major linear utilities

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

### 4.4. Pollution

#### 4.4.1 - Pollution of marine waters














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


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

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

#### 4.4.4 - Air pollution

Relevant	 Not relevant
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#### 4.4.5 - Solid waste

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

#### 4.4.6 - Input of excess energy

Relevant	 Not relevant
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#### 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

### 4.5. Biological resource use/modification

#### 4.5.1 - Fishing/collecting aquatic resources














Relevant	 Not relevant
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#### 4.5.2 - Aquaculture

Relevant	 Not relevant
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












#### 4.5.3 - Land conversion

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














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

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

#### 4.5.5 - Crop production

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

#### 4.5.6 - Commercial wild plant collection

Relevant	 Not relevant
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#### 4.5.7 - Subsistence wild plant collection

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

#### 4.5.8 - Commercial hunting

Relevant	✕ Not relevant
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#### 4.5.9 - Subsistence hunting

Relevant	✕ Not relevant
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#### 4.5.10 - Forestry/Wood production

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






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

### 4.6. Physical resource extraction

#### 4.6.1 - Mining

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

#### 4.6.2 - Quarrying

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

#### 4.6.3 - Oil and gas

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

Relevant	✕ Not relevant
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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

### 4.7. Local conditions affecting physical fabric

#### 4.7.1 - Wind

Relevant	✕ Not relevant
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#### 4.7.2 - Relative humidity



Relevant	✕ Not relevant
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#### 4.7.3 - Temperature

Relevant	✕ Not relevant
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#### 4.7.4 - Radiation/Light

Relevant	✕ Not relevant
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#### 4.7.5 - Dust

Relevant	✕ Not relevant
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#### 4.7.6 - Water (rain/water table)

Relevant	✕ Not relevant
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#### 4.7.7 - Pests

Relevant	✕ Not relevant
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#### 4.7.8 - Micro-organisms












Relevant	✕ Not relevant
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**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**

### 4.8. Social/Cultural uses of heritage

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

✕ Relevant	Not relevant
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




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

#### 4.8.2 - Society's valuing of heritage

Relevant	✕ Not relevant
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




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

✕ Relevant	Not relevant
------------	--------------

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









#### 4.8.4 - Changes in traditional ways of life and knowledge system






✕ Relevant	Not relevant
------------	--------------

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












#### 4.8.5 - Identity, social cohesion, changes in local population and community

✕ 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










 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

High volume pilgrimage tourism is a major factor around the property area.

#### 4.9. Other human activities

##### 4.9.1 - Illegal activities

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

##### 4.9.2 - Deliberate destruction of heritage

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

##### 4.9.3 - Military training

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

##### 4.9.4 - War

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

##### 4.9.5 - Terrorism

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

##### 4.9.6 - Civil unrest

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

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

##### 4.10.1 - Storms

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

##### 4.10.2 - Flooding

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

##### 4.10.3 - Drought

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

##### 4.10.4 - Desertification

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

4.10.5 - Changes to oceanic waters

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

4.10.6 - Temperature change

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

4.10.7 - Other climate change impacts

Relevant	<input checked="" type="checkbox"/> 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

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

4.11.2 - Earthquake

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

4.11.3 - Tsunami/Tidal wave

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

4.11.4 - Avalanche/Landslide

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

4.11.5 - Erosion and siltation/Deposition

<input checked="" type="checkbox"/> Relevant	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"/>		<input checked="" type="checkbox"/>			

4.11.6 - Fire (wildfire)

<input checked="" type="checkbox"/> Relevant	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"/>			

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

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

4.12.2 - Invasive/Alien terrestrial species

<input checked="" type="checkbox"/> Relevant	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"/>	<input checked="" type="checkbox"/>			

4.12.3 - Invasive/Alien freshwater species

Relevant	✕ Not relevant
----------	----------------

#### 4.12.4 - Invasive/Alien marine species

Relevant	✕ Not relevant
----------	----------------

#### 4.12.5 - Hyper-abundant species

Relevant	✕ Not relevant
----------	----------------

#### 4.12.6 - Modified genetic material



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

### 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

✕ 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

✕ 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

Relevant			✕ Not relevant				
----------	--	--	----------------	--	--	--	--

#### 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

While individual sites have specific management systems, there is lack of overall coordination in management mechanism for the whole World Heritage Site owing to its 'serial' nomination and sites spread across several provinces.





































#### 4.14. Other factor(s)

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















































Need to secure animal corridors in the landscape and prevent habitat fragmentation.

#### 4.15. Factors Summary Table

##### 4.15.1 - Factors Summary Table

Name	Impact		Origin		Trend	
4.1 Buildings and Development						
4.1.2 Commercial development						
						
4.1.3 Industrial areas						
						
4.1.4 Major visitor accommodation and associated infrastructure						
						
4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
						
4.3 Services Infrastructures						
4.3.1 Water infrastructure						
4.3.2 Renewable energy facilities						
4.4 Pollution						
4.4.3 Surface water pollution						
						





4.4.5 Solid waste						
4.5 Biological resource use/modification						
4.5.3 Land conversion						
4.5.4 Livestock farming/Grazing of domesticated animals						
4.5.5 Crop production						
4.5.7 Subsistence wild plant collection						
4.5.10 Forestry/Wood production						
4.6 Physical resource extraction						
4.6.1 Mining						
4.6.2 Quarrying						
4.8 Social/Cultural uses of heritage						
4.8.1 Ritual/Spiritual/Religious and associative uses						
4.8.3 Indigenous hunting, gathering and collecting						
4.8.4 Changes in traditional ways of life and knowledge system						
4.8.5 Identity, social cohesion, changes in local population and community						
4.8.6 Impacts of tourism/Visitation/Recreation						
4.9 Other human activities						
4.9.1 Illegal activities						
4.10 Climate change and severe weather events						
4.10.2 Flooding						
4.11 Sudden ecological or geological events						
4.11.5 Erosion and siltation/Deposition						
4.11.6 Fire (wildfire)						
4.12 Invasive/alien species or hyper-abundant species						
4.12.2 Invasive/Alien terrestrial species						

						
<b>4.13 Management and institutional factors</b>						
<b>4.13.1 Management system/Management plan</b>						
						
<b>4.13.2 Legal framework</b>						
<b>4.13.3 Governance</b>						
<b>4.13.4 Management activities</b>						
<b>4.13.5 Financial resources</b>						
						
<b>4.13.6 Human resources</b>						
<b>4.13.7 Low impact research/monitoring activities</b>						
<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
4.1.2 Commercial development							
							
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
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.1.3 Industrial areas			
			 





<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
4.1.4 Major visitor accommodation and associated infrastructure			
			 

<b>Spatial scale - Area affected by the factor</b>	
	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
4.1.5 Interpretative and visitation facilities					




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
<b>Trend - Development over the last 6 years</b>	
	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 - 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						

## 4.3 Services Infrastructures

Name		Impact			Origin		Trend
4.3.1 Water infrastructure							



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 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 type="checkbox"/>	Insignificant
<input checked="" type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
Management response - Capacity of management to respond	
<input type="checkbox"/>	High capacity
<input checked="" 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
4.3.2 Renewable energy facilities		<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 type="checkbox"/>	Restricted
<input checked="" 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 checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input checked="" type="checkbox"/>	Minor
<input type="checkbox"/>	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

## 4.4 Pollution

Name	Impact	Origin	Trend
4.4.3 Surface water pollution			
	 	 	

<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
4.4.5 Solid waste			

<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						

#### 4.5 Biological resource use/modification

Name	Impact			Origin		Trend
4.5.3 Land conversion						
<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
4.5.4 Livestock farming/Grazing of domesticated animals						
						

<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
------	--------	--------	-------

4.5.5 Crop production							





  

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
4.5.7 Subsistence wild plant collection						

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
4.5.10 Forestry/Wood production					

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

## 4.6 Physical resource extraction










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



Name		Impact			Origin		Trend
4.6.2 Quarrying							
<b>Spatial scale - Area affected by the factor</b>							
<input checked="" type="checkbox"/>	Restricted						
	Localised						
	Extensive						
	Widespread						
<b>Temporal scale - Occurrence of the impact</b>							
<input checked="" type="checkbox"/>	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




## 4.8 Social/Cultural uses of heritage

Name	Impact			Origin	Trend
4.8.1 Ritual/Spiritual/Religious and associative uses					
					

<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
4.8.3 Indigenous hunting, gathering and collecting			
			

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 checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input checked="" 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
4.8.4 Changes in traditional ways of life and knowledge system			
			

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 - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input checked="" type="checkbox"/>	Frequent
<input type="checkbox"/>	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
4.8.5 Identity, social cohesion, changes in local population and community						
						

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
4.8.6 Impacts of tourism/Visitation/Recreation			
			

#### 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

## 4.9 Other human activities

Name	Impact	Origin	Trend
4.9.1 Illegal 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

#### 4.10 Climate change and severe weather events

Name	Impact	Origin	Trend
4.10.2 Flooding			
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

#### 4.11 Sudden ecological or geological events

Name	Impact			Origin		Trend
4.11.5 Erosion and siltation/Deposition						
	⊖	🚩	🚩		🔄	➡

##### 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
4.11.6 Fire (wildfire)						
	⊖	🚩			🔄	➡

##### 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

## 4.12 Invasive/alien species or hyper-abundant species

Name	Impact			Origin		Trend
4.12.2 Invasive/Alien terrestrial species						

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
<b>Trend - Development over the last 6 years</b>	
	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>	<div> <div>🔄</div> </div>	<div> <div>→</div> </div>

<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
4.13.2 Legal framework	<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>	<div> <div></div> <div></div> </div>	<div> <div></div> </div>





<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
4.13.3 Governance						

<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
4.13.4 Management activities	 		



<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
4.13.5 Financial resources	 		






<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
4.13.6 Human resources						

<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
4.13.7 Low impact research/monitoring 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

#### 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

Buildings/Development: Periyar, Anamalai Transport infrastructure: Periyar, Kudremukh Pollution: Agasthyamalai, Periyar, Anamalai, Kudremukh Biological Resource Use: Throughout property Physical Resource Extraction: Kudremukh Social-Cultural Uses: Agasthyamalai, Periyar Climate Change & Severe Weather Events: Agasthyamalai, Periyar, Nilgiri. Sudden Ecological & Geological Events: Throughout property Invasive Species: Throughout property Management/Institutional Factors: Throughout property

#### 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	influence on biophysical and ecological processes over the Indian peninsula	✗			
4.18.1.2	Exceptionally high level of biological diversity and endemism	✗			
4.18.1.3	All components parts of the serial property are owned by the State and are subject to stringent protection under wildlife & forest laws	✗			
4.18.1.4	Serial approach collectively reflects OUV of the property	✗			
4.18.1.5	Local community livelihoods & participation in governance facilitated	✗			

## 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 **do not limit** the ability to maintain the property's Outstanding Universal Value but they could be improved

#### 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 the management authority **but are not known** by local communities/landowners

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

### 5.2. Protective Measures

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

#### 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

#### 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 the maintenance 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**

#### 5.2.5 - 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?

An **adequate legal framework** exists for the broader setting of the World Heritage property, **but there are some deficiencies in implementation** which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property

#### 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

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

### 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 at provincial/regional level

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

A management plan
An annual work plan or business plan
A visitor/visitation management plan
An assessment of biological and cultural diversity and ecosystem services provided by the property

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

Western Ghats is a serial site of 7 clusters and 39 site elements spread across four States/provinces in India. While individual site elements have specific Management Plans, there is inadequate coordination among constituent units for the whole site.

### 5.3.4 - Management Documents

### 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?

The 2011 Recommendation on the Historic Urban Landscape is **not relevant** to this property

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

### 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:

### 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

### 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 **coordination** between the range of administrative bodies involved in the management of the property, **but it could be improved**

### 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 many of its activities are being implemented**

### 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**

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

## 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)	30 %	30 %
6.1.1.7	Governmental (regional/provincial/state)	50 %	60 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	5 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	10 %	10 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	5 %	0 %
6.1.1.12	Other	0 %	0 %



**6.1.2 - Please comment here on any other aspects of funding sources not covered in the table above****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****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	75 %	80 %
6.1.6.2	Women	25 %	20 %
		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	Fair
Capacity development and education	Fair
Administration	Good
Research and monitoring	Fair
Awareness raising and public information/communication	Fair
Marketing and promotion	Fair
Interpretation	Fair
Visitor management/tourism	Fair
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	Fair
Risk preparedness	Poor
Capacity development and education	Fair
Administration	Good
Research and monitoring	Fair
Awareness raising and public information/communication	Fair
Marketing and promotion	Poor
Interpretation	Poor
Visitor management/tourism	Poor
Enforcement (custodians, police)	Good

#### 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.

Capacity building on World Heritage processes and monitoring of OUVs has been undertaken for frontline personnel and local stakeholders of the property.

#### 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 fully implemented; all technical skills are being transferred to those managing the property locally

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

### 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 **considerable research** but it is **not directed towards 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 with local communities and some national agencies**

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

### 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	Fair
Local/municipal authorities	Fair
Indigenous peoples	Fair
Landowners	Fair
Women	Fair
Youth/children	Fair
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 **limited and ad hoc education** and awareness programme for children and/or youth

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

Local communities
Indigenous peoples
Landowners
Women
Youth/children
Researchers

Local Visitors
National/international tourists
Tourism industry
NGOs

#### 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.)	Good
Transportation facilities	Fair
Other	Not needed
If 'Other' is selected, please specify	

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

### 9. Visitor Management

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

500,000 / 1,350,000 / 1,750,000 / 1,550,000 / 1,250,000 /

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

Entry tickets and registries
Accommodation establishments
Tourism industry
Visitor surveys

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

Two overnight stays

#### 9.4 - Please provide the source of information

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

25 / 10 / 15 / 7 / 5 / 10 /

#### 9.6 - Please provide the source of information

Park entry fees; Visitor accommodation facilities

#### 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 planned and **effective strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property

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

#### 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

Site Management Plans of National Parks/Wildlife Sanctuaries and Tiger Conservation Plans of Tiger Reserves

#### 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 **good 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**, but **not 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 **some contribution** to the management of the World Heritage property

**9.15 - Are there locally driven sustainable tourism initiatives?**

Yes

If 'Yes', please specify

Ecotourism initiatives by local community and eco-development committees

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

Yes

If 'Yes', please specify

Gate receipts are shared with local communities through Eco-development Committees

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

The challenge is of managing high volume pilgrimage 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 **considerable monitoring** but it is not directed towards management needs and/or improving the understanding of 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**

Indicators are primarily assessed through the Management Effectiveness Evaluation framework conducted by national agency in India for planning, resources, conservation markers of the sites constituting the property.

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

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Poor
Local communities	Fair
Indigenous peoples	Fair
Landowners	Not applicable
Women	Poor
Researchers	Good
Tourism industry	Fair
Local businesses and industry	Not applicable
NGOs	Good

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?

Implementation is underway

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

Recommendations for strengthening the overall management coordination and engaging with the local/indigenous communities of the serial property have been gradually undertaken. A couple of State of Conservation queries were responded accordingly.

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

A more integrated and coordinated monitoring system is required in the context of the extent and clusters of the serial property.

## 11. Identification of Priority Management Needs

### 11.1 - Identification of Priority Management Needs

5.1	Boundaries and Buffer Zones	
5.1.4	The buffer zones of the World Heritage property <b>are known and recognised by the management authority but are not known and recognized by local communities/landowners</b>	✕
5.2	Protective Measures	
5.2.5	An <b>adequate legal framework</b> exists for the broader setting of the World Heritage property and the buffer zone, <b>but there are some deficiencies in implementation</b> which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property	✕
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	✕
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	✕
5.3.11	There is <b>coordination</b> between the range of administrative bodies involved in the management of the property, <b>but it could be improved</b>	✕
5.3.17	<ul style="list-style-type: none"> <li>In a <b>limited manner</b>, the management system of the World Heritage property does <b>contribute to gender equality</b></li> </ul>	
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	✕
6.1.7	Human resources <b>partly meet</b> the management needs of the World Heritage property	
6.1.10	<b>Some use</b> has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	✕
7	Scientific Studies and Research Projects	
7.2	There is <b>considerable research</b> in the World Heritage property but it is <b>not directed towards management needs and/or improving understanding of Outstanding Universal Value</b>	✕
8	Education, Information and Awareness Building	
8.2	There is a <b>limited and ad hoc education</b> and awareness programme for children and/or youth	
9	Visitor Management	
9.9	Visitor use of the World Heritage property is managed but <b>improvements could be made</b>	
9.12	The presentation and interpretation of the Outstanding Universal Value of the property <b>is acceptable but improvements could be made</b>	✕
10	Monitoring	
10.1	There is <b>considerable monitoring</b> at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	
10.2	Information on the values of the World Heritage <b>property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved</b>	✕

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

4.4	Pollution							
4.4.3			Surface water pollution					
4.5	Biological resource use/modification							
4.5.3	Land conversion	ix, x	Alternative livelihood options, awareness raising and enforcement measures to be taken together	Physical monitoring; Use of Geospatial tools for landuse-landcover changes	5 years	Forest Department; Department of Agriculture & Rural Development	NA	
4.5.5			Crop production					
4.8	Social/Cultural uses of heritage							
4.8.1			Ritual/Spiritual/Religious and associative uses					
4.8.4	Changes in traditional ways of life and knowledge system	ix, x	Community awareness and heritage significance to be imparted to local population. Livelihood support system through Government schemes to be harnessed.	Questionnaire surveys, Interviews and Participatory Rural Appraisal (PRA) method	5 years	Forest Department; Other Government Line Departments	NA	
4.8.5			Identity, social cohesion, changes in local population and community					
4.8.6	Impacts of tourism/Visitation/Recreation	ix, x	Urgent need for regulating pilgrimage tourism. Awareness programme for visitors. Increased patrolling and visitor management actions, especially during major festivals.	Visitor numbers.	5 years	Forest Department. Civil and Police Administration	High volume pilgrimage tourism needs to be addressed	
4.11 Sudden ecological or geological events								
4.11.5	Erosion and siltation/Deposition	ix	Preventing tree felling and earth cutting for mining for quarrying. Mitigating measures through afforestation and slope stabilisation.	Manual and remote-sensing observation	Continuous	Forest Department	NA	
4.12 Invasive/alien species or hyper-abundant species								
4.12.2	Invasive/Alien terrestrial species	ix, x	Scientific study on spread of invasive species. Remedial measures through fire protocol, manual uprooting, regulation of livestock grazing, etc.	Field research	5 years	Forest Department; Researchers; NGOs	NA	
4.13 Management and institutional factors								
4.13.1	Management system/Management plan	ix, x	Individual Site Management Plans are functioning effectively. However, a coordination mechanism encompassing the whole property across four States/provinces of India and 39 cluster sites is to be activated.	Coordination meetings at National, State and Site levels	3 years	Forest Department (National & State Level) Civil Administration (State level)	It is important to take a holistic view of the entire property so that multiple site management authorities can coordinate for common purpose.	

Question not completed

## 12.2. Summary - Management Needs

### 12.2.1 - Summary - Management Needs

5.1	<b>Boundaries and Buffer Zones</b>				
		<b>Actions</b>	<b>Timeframe</b>	<b>Lead agency (and others involved)</b>	<b>More info / comment</b>
5.1.4	The buffer zones of the World Heritage property <b>are known and recognised by the management authority but are not known and recognized by local communities/landowners</b>	Consultation and awareness by Forest Department with local communities about the World Heritage property.	5 years	Forest Department. Eco-Development Committees. Local/Village organised bodies & functionaries	NA
5.2	<b>Protective Measures</b>				
5.2.5	An <b>adequate legal framework</b> exists for the broader setting of the World Heritage property and the buffer zone, <b>but there are some deficiencies in implementation</b> which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property	Common consultation and coordination mechanism for the whole property to be activated for better understanding and addressing connectivity issues and boundary transitions across sites and States.	3 years	Forest Department (National and State Levels) Civil Administration (State Level)	NA
5.3	<b>Management System/Management Plan</b>				
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	The Climate Change Policy Document will be taken into consideration and efforts will be made for adopting necessary provisions.	5 years	Forest Department; Scientific agency	Climate Change could have potential impacts over time on the biodiversity hotspot
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	Disaster management is generally incorporated in the management plans of individual sites. Initiative will be taken to adapt the Strategy Document for the overall property.	5 years	Forest Department; Disaster Management Agencies	NA
5.3.11	There is <b>coordination</b> between the range of administrative bodies involved in the management of the property, <b>but it could be improved</b>	Coordination meetings for information exchange between various local agencies to be conducted.	Ongoing	Forest Department; Other Government line departments	NA
6.1	<b>Funding</b>				
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	Higher budget allocation by the Government; Additional funding raised from visitor entry fee	Management Plan period	Forest Department	NA

	property				
6.1.10	<b>Some use</b> has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	Capacity building programmes have been conducted for the staff and stakeholders of the cluster sites focusing on World Heritage Convention, processes and monitoring of OUVs. The Strategy Document will be further employed in the property.	Ongoing	Forest Department; National Agencies responsible for World Heritage	NA

7	<b>Scientific Studies and Research Projects</b>				
7.2	There is <b>considerable research</b> in the World Heritage property but it is <b>not directed towards management needs and/or improving understanding of Outstanding Universal Value</b>	Outlining priority research themes and encouraging scientific studies by researchers and institutions.	Continuous	Forest Department; Researchers; Scientific institutions	NA

9	<b>Visitor Management</b>				
9.12	The presentation and interpretation of the Outstanding Universal Value of the property <b>is acceptable but improvements could be made</b>	Steps to strengthen presentation & interpretation of site values will be taken. Site museums are being strengthened.	Ongoing	Forest Department	NA

10	<b>Monitoring</b>				
10.2	Information on the values of the World Heritage <b>property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved</b>	Monitoring mechanism for the OUVs are in process of being strengthened. Capacity-building required for staff and volunteers for acquiring data from the field.	Ongoing	Forest Department	NA

**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?

**Not applicable** (sites inscribed exclusively under criteria vii to x (natural World Heritage properties))

### 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.

Overall state of conservation of the OUV attributes remain in good condition. However, pressures of population and development have to be closely monitored for



potential impacts.

### 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	Positive
Management effectiveness	Very positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	Positive
Education	Positive
Infrastructure development	Positive
Funding for the property	Positive
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	Very positive
Advocacy	Positive
Institutional coordination	Positive
Security	Not applicable
Gender equality	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	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	Positive
Other	Not applicable
If 'Other', please specify	

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

### 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

Well-managed eco-development activities by local communities, including visitor interface. E.g. The Periyar Tiger Reserve, a constituent of the Western Ghats World Heritage Site, is synonymous with the successful eco-development model of community involvement in protected area management. The Eco-Development Project, through the establishment of Eco-Development Committees (EDCs) on the basis of social, ethnic and occupational groups, ensured the participation of tribal and other communities in tourism and conservation-related activities of the protected area. This led to additional incomes for the local people, innovative local enterprise, environment-friendly campaigns and transformation from illegal forest activities to forest protection.

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

Sustainable Development
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 <i>World Heritage Convention</i>
The concept of Outstanding Universal Value
The property's Outstanding Universal Value

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	Not needed
Site Managers	Not needed
UNESCO World Heritage Centre	Not needed
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Not needed

## 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

Data from the Periodic Reporting Third Cycle will be very helpful in understanding the issues of the serial site. It will also be useful in addressing relevant capacity-building needs and overall management coordination for the property.

## 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

### 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

300 / 60 / 120 /
------------------

### 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?

Not all 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

Acquiring information, verifying data and filling up single Questionnaire for Serial Site posed challenges. Efforts were made to coordinate the responses for the Questionnaire and inviting representatives from multiple sites on a common platform. More capacity building is required for site managers to reconcile disparate issues of individual sites for a common property. Innovation in the Questionnaire to receive responses from multiple site managers in serial property may be considered.

## 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	Fair
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UNESCO (other sectors/field offices)	Fair
UNESCO National Commission	Not applicable
ICOMOS International	Not applicable
IUCN International	Not applicable
ICCROM international/regional	Not applicable
ICOMOS national/regional	Not applicable
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	Fair
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Fair
National Commission for UNESCO	No support
ICOMOS International	No support
ICCROM International/regional	No support
ICOMOS national/regional	No support
IUCN national/regional	No support
IUCN International	No support

#### 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?

#### 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: Correct entry for site element 1342rev-003: Neyyar Wildlife Sanctuary should read 12,800 ha instead of 128,000 ha. Correct sum of total area should read 795,315 ha instead of 910,515 ha.

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

There is likely a technical glitch in the Questionnaire Item 1.3: Geographic Information Table, where area of one site element and total area of the property shows a discrepancy with the numbers in the original nomination file. 1. Correct entry for site element 1342rev-003: 'Neyyar Wildlife Sanctuary' should read 12,800 ha instead of 128,000 ha. 2. Correct sum of total area should read 795,315 ha instead of 910,515 ha.

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