

# Pyu Ancient Cities

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property

Pyu Ancient Cities

### 1.2 - World Heritage property details

### 1.3 - Geographic information table

| Name              | Coordinates     | Property (ha) | Buffer zone (ha) | Total (ha)   | Inscription year |
|-------------------|-----------------|---------------|------------------|--------------|------------------|
| Halin             | 22.47 / 95.819  | 1243          | 2198             | 3441         | 2014             |
| Beikthano         | 20.004 / 95.379 | 1188          | 2879             | 4067         | 2014             |
| Sri Ksetra        | 18.798 / 95.29  | 3378          | 1713             | 5091         | 2014             |
| <b>Total (ha)</b> |                 | <b>5809</b>   | <b>6790</b>      | <b>12599</b> |                  |

### 1.4 - Map(s)

### Comment

Reference from CLT/WHC/NOM/20/154 date of 21October2020, GIS teams from Pyu Ancient Cities have conducted to revise and update the all Maps which illustrated submitted nomination dossier (2013) and there have total in 89 maps. These maps, recommended the technical requirements of eight titles from WHC, have already updated. Unfortunately, we could not submit in time to WHC and we would like to submit very soon.

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

1. [Facebook page of Sriksetra World Heritage Site](#)

## 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><br>(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><br>(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><br>(Convention on Wetlands of International Importance (Ramsar Convention))                               |   | ✗   |
| 2.1.4 | <b>World Network of Biosphere Reserves</b><br>Man and the Biosphere (MAB) Programme   |   | ✗   |
| 2.1.5 | <b>Global Geoparks Network</b><br>UNESCO Global Geoparks  |   | ✗   |

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

Pyu Ancient Cities occurred the some characters of wet land area which is called swamp area (Ain-gyi), such as, Halin Inn, Beikthano Inn (Ain Kan Gyi or Ain Gyi) and Yahandar Kan in Sri Ksetra, respectively. Nearby Sri Ksetra, there is located closely the In Ma Inn ( not listed in Ramsar ) and Moe Yon Gyi Inn (listed in Ramsar). We have tries to cooperate with respective institutions for conducting further implementations.

**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?**

No

**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**

|              |  |   |
|--------------|--|---|
| <b>2.7.1</b> | <b>1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict</b>                        |   |
| 2.7.1        | There is <b>no contact</b> with the Focal Point(s) of this designation/programme.  | ✗ |
| 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)**

Above mentioned conventions/ programme (s), there are mainly concerned with Ministry of Environmental Conservation and Forestry. To be listed for respective conventions and programs, it must be collaborated with national levels authorities and institutions. In site level implementations, there have been partially and limitedly carried out to respective management objectives and issues which will be focus on technical aid and supporting.

**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?**

Yes

**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**

1.Oral tradition and expression:Folklore and Myth in NgaYoneKan in (HL),Shwe Yaung Taw Pagoda in (BK), Local Spirit in City Gate (Nats) in (SK) 2. Performing arts: Nat dancing (37 nats and others) 3. Social practices:Pagodas and traditional festivals\_Shwe Gu Gyi Pagoda in (HL), Shwe Yaung Taw Festival in (BK), Baw Baw Gyi/ Phayar Gyi Pagoda in (SK) 4. Knowledge and practices:Living gift 5. Traditional craffsmanship: Salt industry(HL/BK) ,Iron/ Pottery industry (HL,BK,SK)

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

Yes

## **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.**

List proposed 1. Halin - Pyu Stone Inscription 2. Beikthano - Terracotta seal 3. Sri Ksetra- (22 )Gold Palm- leaves ( Pyu Script), Shwe San Daw Pagoda Kyansitthar Stone inscription ( Mon Language)

## **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 Pyu Ancient Cities provide the earliest testimony of the introduction of Buddhism into Southeast Asia almost two thousand years ago and the attendant economic, socio-political and cultural transformations which resulted in the rise of the first, largest, and longest-lived urbanized settlements of the region up until the 9th century. The Pyu showed a striking capacity to assimilate Indic influences and swiftly move into a significant degree of re-invention. They created a special form of urbanization, the city of extended urban format, which subsequently influenced urbanization in most of mainland Southeast Asia. These earliest Buddhist city-states played a seminal role in the process of transmitting the literary, architectural and ritual traditions of Pali-based Buddhism to other societies in the sub-region where they continue to be practiced up to the present.

Halin, Beikthano and Sri Ksetra together as a Serial Property jointly testify to the several aspects of the development of this new model of urban settlement for the Southeast Asian region. Together the three cities provide evidence for the entire sequence and range of Pyu urban transformation from ca. 2nd century BCE to the 9th century CE, Buddhist monastic communities, distinctive mortuary practice, skilful water management, and long distant trade. At all three Pyu Ancient City sites, the irrigated landscape of the Pyu era is still impacting on the rural livelihoods of the modern population, while the religious monuments continue to be venerated by Buddhist pilgrims from throughout the region.

**Criterion (ii):** Due to interaction between indigenous Pyu societies with Indic cultures from the 2nd century BCE, Buddhism achieved its first permanent foothold in Southeast Asia among the Pyu cities, where it was embraced by all classes of society from the ruling elite to agrarian labourers. Marked by imposing memorial stupas and other sophisticated forms of brick ritual structures, the Pyu Ancient Cities provide the earliest evidence of the emergence of these innovative architectural forms in the region, some of which have no known prototypes. The development of Pyu Buddhist urban culture had widespread and enduring impact throughout Southeast Asia, providing stimulus for later state formation after the 5th century CE following the onward transmission of Buddhist teaching and monastic practice into other parts of mainland Southeast Asia.

**Criterion (iii):** The Pyu Ancient Cities marked the emergence of the first historically-documented Buddhist urban civilization in Southeast Asia. The establishment of literate Buddhist monastic communities arose in tandem with the re-organization of agricultural production, based on expert management of seasonally-scarce water resources and the specialized production of manufactured goods in terracotta, iron, gold, silver and semi-precious stones both for veneration and for trade. Buddhism underpinned the construction of religious monuments in brick through royal and common public patronage, marked by the shift to permanent materials from earlier timber building techniques. The Pyu developed unique mortuary practices using burial urns to store cremated remains in communal funerary structures. Trading networks linked the Pyu ancient cities with commercial centres in Southeast Asia, China and India. Through this network Buddhist missionaries carried their Pali-based teaching into other areas of mainland Southeast Asia.

**Criterion (iv):** Technological innovations in resource management, agriculture and manufacturing of brick and iron at the Pyu Ancient Cities created the preconditions leading to significant advances in urban planning and building construction. These innovations resulted in the rise of the three earliest, largest, and most long-lived Buddhist urban settlements in all of Southeast Asia. The Pyu cities' urban morphology set a new template of extended urban format characterized by massive gated walls surrounded by moats; a network of roads and canals linking urban space within the walls with extensive areas of extramural development, containing civic amenities, monumental religious structures defined by towering stupas and sacred water bodies. At or near the centre of each ancient city was an administrative compound containing the palace marking the cosmic hub of the Pyu political and social universe.

##### **Integrity**

The Pyu Ancient Cities are archaeologically intact, as seen in the standing monuments, the in-situ structural remains, the undisturbed unexcavated remains and the still functioning agrarian terrain. The urban footprint of each city, demarcated by the well-preserved moated city walls, remains highly legible two millennia after their initial construction. The boundaries contain the key attributes of outstanding universal value, including a representative sample of the extensive irrigated landscape that supported the cities. The completeness and reliability of dated archaeological sequences from the site, with the radiocarbon dates derived from intact architectural features dating back to 190 BCE, provide scientific proof of the entire one-thousand year period of occupation of the cities, and reinforces palaeographic dates provided by inscriptions in Pyu script on artifacts excavated at the site. The landscape engineering of the three cities also remains largely intact with the manmade structures such as canals and water tanks remaining in continuing use for on-going agricultural processes.

##### **Authenticity**

The authenticity of the Pyu Ancient Cities is to be found in the architectural form and design of unaltered and still-standing monumental structures and urban precincts; a continuous tradition of the use and function of property's sites of Buddhist veneration; enduring traditions and techniques of agricultural and production management systems, the origins of which are visible in the historic landscape and which continue to be practiced among the local community; the original location and setting of the cities as verified by archaeological research and which remains largely unchanged since the end of historic urbanized settlement 1,000 years ago; the materials and substance of the excavated artefacts from the sites, sourced locally and manufactured on-site, and the spirit and feeling of the three ancient cities which throughout the history of Myanmar and until the present day continues to inspire veneration and pilgrimage.

##### **Protection and management requirements**

Formal measures for the legal protection and administrative management of the Pyu Ancient Cities have been institutionalized at central government, regional, district, and township levels. The Department of Archaeology and National Museum (DANM) of the Ministry of Culture has the primary responsibility for all aspects of protection and management of the three Pyu Ancient Cities. The sites were first gazetted as protected areas under the Ancient Monuments Preservation Act (1904) of British India. Their protected status has been continued and extended by Myanmar national legislation, including: the Antiquities Act 1957 (Amended 1962), the Law on the Protection and Preservation of Cultural Heritage Regions 1998 (Amended 2009) and the Rules and Regulations of the Cultural Heritage Region Law 2011.

To ensure coordinated implementation of the provisions of the applicable laws at national and local levels, a number of mechanisms have been established. At the national level, there is the Central Committee for Myanmar National Heritage and the Myanmar National Committee for World Heritage. At the site level, to ensure the coordinated protection and management of the three ancient city sites, as well as to integrate the property's conservation into local development planning, a Pyu Ancient Cities Coordinating Committee (PYUCOM) has been established. The PYUCOM is central to the property management framework and is a key element of the Property Management Plan helping to ensure that local traditional systems are acknowledged and incorporated into the day-to-day management. At each of the sites, PYUCOM convenes local consultative groups that bring together the concerns of multiple stakeholders: regional authorities, local government, village representatives and the sangha (monk body).

A Property Management Plan, endorsed by the PYUCOM, was approved by the Ministry of Culture on 18 January 2013. Time-bound action plans provide the framework for the implementation of the provisions of the Property Management Plan. The Property Management Plan is strengthened in some specific areas by the on-going development of auxiliary plans such as those for risk preparedness, visitor management, capacity building for conservation, site interpretation, local community development and regulation of urban use and development. The excavated and exposed archaeological remains, in particular the burial sites and hydrological landscape features, require continued and, in some cases, enhanced conservation.

**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  | Archaeological buried mound                    |           | ✗           |                       |      |
| 3.2.2  | Burial site with burial urns                   | ✗         |             |                       |      |
| 3.2.3  | City gate                                      | ✗         |             |                       |      |
| 3.2.4  | City wall                                      |           | ✗           |                       |      |
| 3.2.5  | Excavated site with exposed structure          | ✗         |             |                       |      |
| 3.2.6  | Hydrological features of lake/pond (Inn), tank |           | ✗           |                       |      |
| 3.2.7  | Inscription _ Pyu Script                       | ✗         |             |                       |      |
| 3.2.8  | Kiln   |           | ✗           |                       |      |
| 3.2.9  | Landscape engineering features                 |           | ✗           |                       |      |
| 3.2.10 | Monument of Monastery, Pagoda/Stupa, Temple    | ✗         |             |                       |      |
| 3.2.11 | Museum objects                                 | ✗         |             |                       |      |
| 3.2.12 | Sculptures with various medium                 | ✗         |             |                       |      |
| 3.2.13 | Stone (Massive) sculpture                      |           | ✗           |                       |      |
| 3.2.14 | Urban Formation/ Planning                      |           | ✗           |                       |      |
| 3.2.15 | Cyclic process in Buddhist tradition           | ✗         |             |                       |      |

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

Conservation of monument, museum object and excavated site, these attributes have well preserved. GIS application with cultural mapping projects (including cadastral map) have annually conducted in all of the three sites for 2013 onward. All of the attributes reflecting the criteria, DANM and site office have conducted to aware. Criteria (iv), presenting the typology of urban morphology and hydrological features which are part of daily use in communities need to take care more in conservation.

## 4. Factors Affecting the Property

### 4.1. Buildings and Development

#### 4.1.1 - Housing

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

#### 4.1.2 - Commercial development

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

#### 4.1.3 - Industrial areas

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

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

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

#### 4.1.5 - Interpretative and visitation facilities

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

|              | 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

Pyu Ancient Cities have determined to conservation-orientation objective. Some auxiliary plans have been drawn and prepared between 2015-2017 and submitted in 2017. Unfortunately, there have been supported to implement. In fact, that factor (4.1.5) did not seriously affect in attributes of OUV and I/A due to locate in rural area. Some encroachments in SK, located in adjacent area of urban sprawl have monitored by site office. There are no remarkable issues of encroachments in two other sites.

### 4.2. Transportation Infrastructure

#### 4.2.1 - Ground transport infrastructure

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

#### 4.2.2 - Underground transport infrastructure

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

#### 4.2.3 - Air transport infrastructure

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

#### 4.2.4 - Marine transport infrastructure

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

#### 4.2.5 - Effects arising from use of transportation infrastructure

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

#### 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

Impact of transportation infrastructure on Pyu Ancient Cities and its surrounding, these do not seriously threaten to attributes. There have also well practiced in HIA procedure and Monitoring the three Pyu Ancient Cities.

### 4.3. Services Infrastructures

#### 4.3.1 - Water infrastructure

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

#### 4.3.2 - Renewable energy facilities

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

#### 4.3.3 - Non-renewable energy facilities

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

#### 4.3.4 - Localised utilities

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

|              | Impact    |             | Origin   |           | Trend of impact |          |              |
|--------------|-----------|-------------|----------|-----------|-----------------|----------|--------------|
| Impact       | 🔥 Current | 🔥 Potential | 📍 Inside | 📍 Outside | ↘ Decreasing    | → Stable | ↗ Increasing |
| ➕ Positive ✕ | ✕         | ✕           | ✕        |           |                 | →        |              |
| ➖ Negative ✕ | ✕         | ✕           | ✕        |           |                 | →        |              |

#### 4.3.5 - Major linear utilities

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

|              | Impact    |             | Origin   |           | Trend of impact |          |              |
|--------------|-----------|-------------|----------|-----------|-----------------|----------|--------------|
| Impact       | 🔥 Current | 🔥 Potential | 📍 Inside | 📍 Outside | ↘ Decreasing    | → Stable | ↗ Increasing |
| ➕ Positive ✕ | ✕         | ✕           | ✕        | ✕         |                 | →        |              |
| ➖ Negative ✕ | ✕         | ✕           | ✕        | ✕         |                 | →        |              |

#### 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

Factor affecting of 4.3.4 and 4.3.5, these service infrastructures have implemented on Pyu Ancient Cities. These factors do not affected seriously OUV and I/A in sites. Since inscribed the World Heritage List ,BK does not facility in electrical power. With HIA procedure, there has implemented in early 2020. No alter and change in Halin and Sri Ksetra. Now, DANM and site managers have well managed and monitored. To be implemented the sites, site offices do follow strictly in HIA procedures.

### 4.4. Pollution

#### 4.4.1 - Pollution of marine waters

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

#### 4.4.2 - Ground water pollution

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

#### 4.4.3 - Surface water pollution











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

#### 4.4.4 - Air pollution

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

#### 4.4.5 - Solid waste

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

|  | Impact  |   | Origin   |   | Trend of impact   |  |  |
|--|---|---|--|---|---|--|--|
| Impact   |  Current |  Potential |  Inside |  Outside |  Decreasing |  Stable |  Increasing |
|  Positive                                       |   |   |  |   |   |  |  |
|  Negative <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  |   |   |       |  |

#### 4.4.6 - Input of excess energy

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

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

Remarkable in factors affecting in pollution, solid waste, especially in household rubbish or garbage occurred in Pyu Ancient Cities. Due to administrative mechanism, locate in rural and adjacent of rural -urban area, it could not operated well. But, site office, local communities and heritage trustee have collaborated to clean and solve these problem of solid waste issues. There are no harmful and change in the landscape and do not potentially impact for further deterioration.

### 4.5. Biological resource use/modification

#### 4.5.1 - Fishing/collecting aquatic resources

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

#### 4.5.2 - Aquaculture

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

#### 4.5.3 - Land conversion

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

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

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

#### 4.5.5 - Crop production

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

#### 4.5.6 - Commercial wild plant collection

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

#### 4.5.7 - Subsistence wild plant collection

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

#### 4.5.8 - Commercial hunting

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

#### 4.5.9 - Subsistence hunting

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

#### 4.5.10 - Forestry/Wood production

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

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

Nowadays, the most vista and visual landscape of three Pyu Ancient Cities do not seriously affect and maintain an intact. Depended upon the socio-economic need in local communities, Halin and Sri Ksetra have a few plantation and BK, partially owned with Forest Department has a few plantation. Now, site managers, District authorities and institutions have collaborated to prevent and manage for further threat. DANM has also documented and prepared the plan of "Agricultural Strategy".

### 4.6. Physical resource extraction

#### 4.6.1 - Mining

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

#### 4.6.2 - Quarrying

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

#### 4.6.3 - Oil and gas

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

#### 4.6.4 - Water (extraction)

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

#### 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

There is no comment.

### 4.7. Local conditions affecting physical fabric

#### 4.7.1 - Wind

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

#### 4.7.2 - Relative humidity

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

#### 4.7.3 - Temperature

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

#### 4.7.4 - Radiation/Light

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

#### 4.7.5 - Dust

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

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

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

#### 4.7.7 - Pests

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

#### 4.7.8 - Micro-organisms

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

**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**

There is no comment.

**4.8. Social/Cultural uses of heritage**

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

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

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

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

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

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

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

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

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

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

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

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

**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**

There is no comment.

**4.9. Other human activities**

**4.9.1 - Illegal activities**

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

**4.9.2 - Deliberate destruction of heritage**

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

**4.9.3 - Military training**

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

**4.9.4 - War**

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

**4.9.5 - Terrorism**

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

**4.9.6 - Civil unrest**

|          |  |
|----------|--|
| Relevant | <input checked="" type="checkbox"/> 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**

Under this category, vandalism had occurred in several years ago in Pyu Ancient Cities included in some illegal actives of looting ,theft and treasure hunting which were caused by political instability. Unfortunately, due to recent political crisis in Myanmar, there has occurred some politically motivated acts in Halin and Sri Ksetra. But, there was no deliberate destruction for heritage and no repeated previous actions on all sites.

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

**4.10.1 - Storms**

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

**4.10.2 - Flooding**

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

**4.10.3 - Drought**



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

#### 4.10.4 - Desertification

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

In fact, climatic change is global issue for threatening the heritage conservation. The three Pyu Ancient Cities do not harm intensively. During the conducted in nomination processes, there have also incorporated with Risk Preparedness Strategy. It has studied and examined what factors affecting in attributes of sites. That task has to be conducted in continuously and applied to further preventive measures in sites.











#### 4.11. Sudden ecological or geological events

##### 4.11.1 - Volcanic eruption

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

##### 4.11.2 - Earthquake

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

|  | Impact  |   | Origin   |   | Trend of impact   |  |  |
|--|---|---|--|---|---|--|--|
| Impact   |  Current |  Potential |  Inside |  Outside |  Decreasing |  Stable |  Increasing |
|  Positive                                     |   |   |  |   |   |  |  |
|  Negative <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>   | <input checked="" type="checkbox"/>  | <input checked="" type="checkbox"/>   |   |         |  |

##### 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

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

##### 4.11.6 - Fire (wildfire)

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

#### 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

All of three Pyu Ancient Cities situate near the fault line of Sagaing Earthquake Fault. In 2003, 2012, 2015 and 2016, there were earthquake which were between (4 to 6.9) Richter Scale near the Halin and Beikthano area. There was no severe impact and destruction of earthquake damage in attributes presented to OUV and I/A of three Pyu Ancient Cities. Guidance of the DRM plan which was submitted in 2017 there have annually conducted in data collecting and recording by staffs from site offices.

#### 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

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

##### 4.12.3 - Invasive/Alien freshwater species

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

There is no comment.

### 4.13. Management and institutional factors










#### 4.13.1 - Management system/Management plan

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

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










#### 4.13.2 - Legal framework

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

|  | Impact  |   | Origin   |   | Trend of impact   |  |  |
|--|---|---|--|---|---|--|--|
| Impact   |  Current |  Potential |  Inside |  Outside |  Decreasing |  Stable |  Increasing |
|  Positive ✕ | ✕   | ✕   | ✕  | ✕   |   |  | ↗  |
|  Negative ✕ | ✕   | ✕   | ✕  | ✕   |   | →  |  |










#### 4.13.3 - Governance

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

|  | Impact  |   | Origin   |   | Trend of impact   |  |  |
|--|---|---|--|---|---|--|--|
| Impact   |  Current |  Potential |  Inside |  Outside |  Decreasing |  Stable |  Increasing |
|  Positive ✕ | ✕   | ✕   | ✕  | ✕   |   |  | ↗  |
|  Negative ✕ | ✕   | ✕   | ✕  | ✕   |   | →  |  |





#### 4.13.4 - Management activities

|            |              |
|------------|--------------|
| ✕ 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 |
|----------|----------------|

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

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

#### 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

We do recognize that factors affecting of management and institution are potential issue and some management objects have still pended to conduct strongly within the PMP framework. Fortunately, there have collaborated closely with some inter-ministerial institutions, which are in township and district level management in development of site and its environment. MORAC and DANM stress to encourage and guide for implementation on the priority objects in PMP in Pyu Ancient Cities.

#### 4.14. Other factor(s)

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

Nil.

#### 4.15. Factors Summary Table

##### 4.15.1 - Factors Summary Table












| Name   | Impact |  |  | Origin |  | Trend |
|--|--------|--|--|--------|--|-------|
| 4.1 Buildings and Development                  |        |  |  |        |  |       |
| 4.1.5 Interpretative and visitation facilities |        |  |  |        |  |       |
|  |        |  |  |        |  |       |
| 4.3 Services Infrastructures                   |        |  |  |        |  |       |
| 4.3.4 Localised utilities                      |        |  |  |        |  |       |
|  |        |  |  |        |  |       |
| 4.3.5 Major linear utilities                   |        |  |  |        |  |       |
|  |        |  |  |        |  |       |
| 4.4 Pollution                                  |        |  |  |        |  |       |
| 4.4.5 Solid waste                              |        |  |  |        |  |       |
|  |        |  |  |        |  |       |
| 4.11 Sudden ecological or geological events    |        |  |  |        |  |       |
| 4.11.2 Earthquake                              |        |  |  |        |  |       |
|  |        |  |  |        |  |       |
| 4.13 Management and institutional factors      |        |  |  |        |  |       |
| 4.13.1 Management system/Management plan       |        |  |  |        |  |       |
|  |        |  |  |        |  |       |
| 4.13.2 Legal framework                         |        |  |  |        |  |       |
|  |        |  |  |        |  |       |
| 4.13.3 Governance                              |        |  |  |        |  |       |
|  |        |  |  |        |  |       |
| 4.13.4 Management activities                   |        |  |  |        |  |       |

|   |   |   |  |  |  |   |
|---|---|---|--|--|--|---|
|   |         |           |          |          |          |           |
| 4.13.5 Financial resources                        |        |          |         |         |         |          |
|   |   |   |  |  |  |   |
| 4.13.6 Human resources                            |   |   |  |  |  |   |
|   |        |          |         |         |         |          |
| 4.13.8 High impact research/monitoring activities |        |          |         |         |  |          |
|   |        |          |  |         |  |          |
| <b>Legend</b>                                     |  Current |  Potential |  Negative |  Positive |  Inside |  Outside |

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

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











#### 4.1 Buildings and Development

| Name   | Impact  | Origin  | Trend   |
|--|---|---|---|
| 4.1.5 Interpretative and visitation facilities |    |   |  |
|  |    |   |  |













| Spatial scale - Area affected by the factor             |                                |
|---|--------------------------------|
| <input 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 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                     |

## 4.3 Services Infrastructures

| Name | Impact | Origin | Trend |
|------|--------|--------|-------|
|------|--------|--------|-------|

|                           |   |   |   |   |   |
|---------------------------|---|---|---|---|---|
| 4.3.4 Localised utilities |  |  |  |  |  |
|                           |  |  |  |  |  |





| 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   |
|------------------------------|---|---|---|---|---|---|
| 4.3.5 Major linear utilities |  |  |  |  |  |  |
|                              |  |  |  |  |  |  |

| 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                          |
| <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   |
|-------------------|---|---|---|---|--|---|
| 4.4.5 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                     |

## 4.11 Sudden ecological or geological events

| Name              | Impact  | Origin  | Trend   |
|-------------------|---|---|---|
| 4.11.2 Earthquake |   |   |   |
|                   |    |    |    |
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|  |                                |
|--|--------------------------------|
|  | 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 |       |     |   |
|                        |    |   |  |

|  |                                |
|--|--------------------------------|
| <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 |    |   |  |
|                   |    |   |  |

#### Spatial scale - Area affected by the factor

|   |            |
|---|------------|
|   | Restricted |
|   | Localised  |
|   | Extensive  |
| ✕ | Widespread |

#### Temporal scale - Occurence of the impact

|   |                          |
|---|--------------------------|
|   | One off or rare          |
|   | Intermittent or sporadic |
| ✕ | Frequent                 |
|   | On-going                 |

#### Impact - Impact on the attributes












|   |               |
|---|---------------|
|   | Insignificant |
|   | Minor         |
| ✕ | Significant   |
|   | Major         |

#### Management response - Capacity of management to respond

|   |                                |
|---|--------------------------------|
|   | High capacity                  |
|   | Medium capacity                |
| ✕ | Low capacity                   |
|   | No capacity and / or resources |

#### Trend - Development over the last 6 years

|   |            |
|---|------------|
|   | Decreasing |
|   | Static     |
| ✕ | Increasing |

| Name                         | Impact  | Origin  | Trend   |
|------------------------------|---|---|---|
| 4.13.4 Management activities |    |   |  |
|                              |    |   |  |






#### 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                       |
| <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 |   |   |   |
|                        |  |  |  |

#### Spatial scale - Area affected by the factor

|   |            |
|---|------------|
|   | Restricted |
|   | Localised  |
| ✕ | Extensive  |
|   | Widespread |

#### Temporal scale - Occurrence of the impact

|   |                          |
|---|--------------------------|
|   | One off or rare          |
|   | Intermittent or sporadic |
|   | Frequent                 |
| ✕ | On-going                 |

#### Impact - Impact on the attributes





|   |               |
|---|---------------|
|   | Insignificant |
|   | Minor         |
|   | Significant   |
| ✕ | Major         |

#### Management response - Capacity of management to respond

|   |                                |
|---|--------------------------------|
|   | High capacity                  |
|   | Medium capacity                |
| ✕ | Low capacity                   |
|   | No capacity and / or resources |

#### Trend - Development over the last 6 years

|   |            |
|---|------------|
|   | Decreasing |
|   | Static     |
| ✕ | Increasing |

| Name  | Impact  | Origin  | Trend   |
|---|---|---|---|
| 4.13.8 High 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

Pyu Ancient Cities which are identified with Halin, Beikthano and Srikssetra ancient Urban sites have inscribed serial sites for World Heritage. These sites locate in same geographical and geological niches. Generally, all of three Pyu urban sites have affected or occurred similarity with above mentioned factors affecting.

#### 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 | Burial Sites          | ✕         |             |                       |      |
| 4.18.1.2 | Monestry/Stupa/Temple | ✕         |             |                       |      |
| 4.18.1.3 | City Wall             |           | ✕           |                       |      |
| 4.18.1.4 | Pond/Lake             |           | ✕           |                       |      |
| 4.18.1.5 | Pyu Inscription       | ✕         |             |                       |      |

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

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

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

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

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

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

The buffer zones of the World Heritage property **are known and recognised** by 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

All of three Pyu Ancient Cities have adequate boundaries demarcation in buffer zone and property area. Related institution, which have implemented in marginal role in key management objects follow within the framework of property management plan of Pyu Ancient Cities. But DANM(site office) and site manager have performed frequently advocacy and awareness rising for them. Now, site managers and his/her team have reformulated their capacity building and carry capacity to conduct the site management.

##### 5.2. Protective Measures

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

##### Comment

**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**

2015 -July-22 / The Protection and Preservation of Antique Object Law / Union Law/Mother Law / 20015 by Law / Yes / Ministry of Religious Affair and Cultural ,Department of Archaeology and National Museum / No / 2015-August-26 /

The Protection and Preservation of Ancient Monument Law / Union Law/Mother Law / 20015 by Law / Yes / Ministry of Religious Affair and Cultural ,Department of Archaeology and National Museum / No / 2019-February-28 / The Protection and Preservation of Cultural Heritage Region Law /

**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?**

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

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

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

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

There is **no legal framework** for controlling use and activities in the broader setting of the World Heritage property

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

There are **major deficiencies in capacity/resources** to enforce legislation and/or regulation in the World Heritage property

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

In legal applicable in heritage management, legal and customary protection in cultural heritage have already set up. In the contextual description of legal framework, we recognized that there is poorly defined the zoning policy and there is no defined the broader setting and its content.As result of interpretation and definition of legal measure in heritage management, there has some challenge of works in practice. Ownership and development issues are also in conflict of interest for sites.

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

As mentioned above clarification on legal framework , there have face with insufficiencies implementation on following contets- (1) Building and development (2) Service Infrastructure (3) Pollution (4) Other human activities (5) Management and institutional Factor

**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 national 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

A disaster, climate or conflict risk management plan

A visitor/visitation management plan

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

In the PMP, there has already described the way of Management System for Pyu Ancient Cities. It is changing from old version to new heritage management system due to socio-economic and political transformation in Myanmar. The essence of management system clarified with "collaboration and cooperation" in authorities, institutions and stakeholders. Level of management practices divided into site level (community and district), institution and national authority. The practice needs to encourage.

**5.3.4 - Management Documents**

**Comment**

2013.Submission the Property Management Plan of Pyu Ancient Cities. 2015:Submission the state of Conservation Report of Pyu Ancient Cities. 2017: Submission the state of Conservation Report Pyu Ancient Cities.(include the Statagic plan and Auxiliary plan for Pyu Ancient Cities) 2019(2020): Submission the Statecof Conservation Report of Pyu Ancient Cities.

**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?**

**Some use** has been made of the 2011 Recommendation on the Historic Urban Landscape

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

In Management Plan there has input the some outlines of Historic Urbin Landscape Recommend ation .

**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?

Some 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:

Both DANM and World Bank have corporately drawn the Disaster Risk Strategy which was based upon the Climate Change Policy. (Pyu) Italy fund with UNESCO project (Phase I, II, III) these projects have supported and encouraged the Risk Preparedness Strategy (DRM plan) of Pyu Ancient Cities for 2014-2017. It had carried out on job training in respected Pyu Ancient Cities of Halin, Beikthano and Sriksetra.

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

The risk management policy is **fully based** on the agreed 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

There have already collected the data for 2014 and conducted the action plans for 2017. Fortunately, there have no severe events in three pyu ancient cities from 2017 onward. Now, we would like to review and update the DRM plan of pyu ancient cities.

### 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 **only partially adequate** to maintain the property's Outstanding Universal Value

### 5.3.13 - Is the management system being implemented?

The management system is being **only partially implemented**

### 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 | Monk Community/Trustee |                                 |                    |                      |   |

### 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 | Monk community , Heritage trustee, Pagoda trustee |   |  |   |  |

**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**

Management System indicates to collaboration work and all inclusive for protection measures in all heritage. National Level or Authority recognized that they have supported to policy matter. Concerned with regional authorities and institutions have to mobilize for guidance and deceive issues for implementations. Communities, stakeholders and cultural partitioners need to involve with in protection measures in heritage and heritage management system.

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

There should be prepared the following item:- 1. Capacity Building 2. Awareness Raising 3. Recognize in duties and responsible 4. Collaboration

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

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

US\$ 1. UNESCO (Italy)\_2011-17: >1 million 2. Australia, China, France, India, Japan, UK (Included in Scholarship, Workshop, Training, etc.,)\_ 2011-20: estimated 0.5 million 3. 2012: 30,000 4. Nil 5. Community (School/ Water/ Bridge/ Health): 2014-20: >200,000 6. HR-Salary(6 yrs-2015-21):0.144 millions (20,000/ month); Project&Infra(6 yrs-2015-21):0.848 millions(0.14 millions/ yr) 7. 2012-21 (Regional/ Development): > 1 millions 8. Nil 9. Nil 10. 2014 JUL-2019 MARCH: 0.133 millions 11.Nil 12.Nil

**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

Pyu Ancient Cities have been studied in since nearly hundred years ago and well documented. After inscribed WH List, these sites have restructured with "branch office" which have managed with district level authorities and supported gradually with financial aid and other management issues which have described in PMP. Government intends to plan for pilot project with model protection and management for cultural heritage sites. These sites are mainly concerned with "conservative-orientation".

#### 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   | 0 %                      | 0 %              |
| 6.1.6.2 | Women | 0 %                      | 0 %              |
|         |       | Total 0 %                | Total 0 %        |

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

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

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



### 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.

Since 2011 onward, there have engaged with framework of 1972 convention in heritage management of Myanmar. After inscribed WH list, there have followed up the recommendations of WH Committee. Unfortunately, there have only conducted in a few basic framework of World Heritage. We do need more understanding and implementation in significant of heritage value. We do plan for promoting the concepts, principles and essence of Convention to all concerned. We do expect to cooperation with all.

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

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

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

After inscribed WH List, these sites have gradually increased with financial and technical aids and human resources which have already reported in respective SOC Reports in 2015, 2017 and 2019 (2020). In fact, DANM does limitedly implement with PMP and framework of 1972 Convention. Especially, DANM needs more collaboration with ICCROM, ICOMOS and others relevant heritage partitioners and experts. It is also adequately planned for long term prospect in sustainable development of heritage sectors.

## 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 **insufficient**

### 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 **not shared at any level**

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

Since 2005 onwards, a few specific research works have conducted with a few international experts from Australia, Italy, Singapore and UK. During the nomination processes and after inscribed the WH list, supporting with UNESCO, there have been carried out various agenda for management measures. Now, Pyu Ancient Cities need urgently for research strategy which will be strengthened for protection of OUV and I/A. It should be collaborated with local and International experts and institutions.

## 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                              | Poor |
| Indigenous peoples                                       | Fair |
| Landowners   | Poor |
| Women  | Fair |
| Youth/children   | Poor |
| Researchers  | Fair |
| Local visitors   | Poor |
| National/international tourists                          | Poor |
| Tourism industry   | Poor |
| Local businesses and industries                          | Poor |
| NGOs   | Fair |
| Other specific groups                                    | Fair |
| 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                   |
| Local/municipal authorities         |
| Landowners                          |
| Women                               |
| Youth/children                      |
| Researchers                         |
| Local businesses and industries     |
| NGOs                                |
| Other specific groups               |
| Monk communities and Heritage Trust |

## 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                            | Good              |
| Information booths                     | Fair              |
| Guided tours                           | Poor              |
| Trails/routes                          | Fair              |
| Printed information materials          | Fair              |
| Online (website, social media, etc.)   | Poor              |
| Transportation facilities              | Fair              |
| Other                                  | Poor              |
| If 'Other' is selected, please specify | Local communities |

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

After inscribed the World Heritage List, there have no the firm strategy for awareness building and site interpretation for Pyu Ancient Cities. It is also need to collaborate with local authorities and institutions for promoting and protection of sites and its environment. Especially, reinforced with proper governance and active implementation of regional authorities to site level operation, it is remarkable measure of input for sustainable development in all of sites.

## 9. Visitor Management

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

|   |
|---|
| 8,000 / 8,000 / 5,000 / 3,000 / 2,000 / |
|---|

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

|                              |
|------------------------------|
| Entry tickets and registries |
|------------------------------|

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

One day (no overnight stay)

### 9.4 - Please provide the source of information

1. Zone Fee (Entry Tickets) (Before Inscribed): 5 US\$ 2. Museum Fee (Before Inscribed): 5 US\$ 3. After inscribed the World Heritage List (2014 July): Only 5,000 Kyats

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

|                                 |
|---------------------------------|
| 11 / 8 / 15 / 3.4 / 125 / 35 /  |
| 50 / 12 / 50 / 3.4 / 125 / 35 / |

## 9.6 - Please provide the source of information

1. Hotel (Local Hotelier) 2. Restaurant 3. Driver in Tri-Shaw/ Bullock-cart/ Horse-cart

## 9.7 - Does the management system/plan for the World Heritage property include a strategy with an action plan to manage visitors, tourism activity and its derived economic, socio-cultural and environmental impacts?

There **is a strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is **not implemented**

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

Activities of the Visitor Management Guidelines for Sri Ksetra will be implemented during the Action Plan period 2018-2022. Prepared under guidance of consultant International Sustainable Tourism Expert. The other two Cities (Beikthano and Halin) of the Pyu Ancient Cities serial property will also be prepared during the Action Plan period 2018-2022.

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

Visitor use of the World Heritage property is **not being actively managed despite an identified need**

## 9.10 - Is the effectiveness of tourism management regularly monitored?

No

If a different system, please specify

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

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

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

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

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

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

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

**Fees are collected**, but make **no contribution** to the management of the World Heritage property

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

Yes

If 'Yes', please specify

Sales of local products

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

Yes

If 'Yes', please specify

Local tour guide and Local travel services

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

Tourism industry is mutually beneficial for locals and visitors. It is also generating for locals communities, that is, there can be sold their local products and provided tour guides and tour operators. It is also part of awareness raising and site interpretation heritage significant in respective sites.

## 10. Monitoring

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

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

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

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

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

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

|        |   |  |  |  |   |
|--------|---|--|--|--|---|
| 10.3.5 | Contribution to sustainable development |  |  |  | × |
| 10.3.6 | Capacity development                    |  |  |  | × |

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

In PMP, there have already proposed the comprehensive indicators for monitoring for site level implementation. Unfortunately, there are improperly and insufficiently conducted with desired task in sites. Strengthening for capacity building in staff members in site offices, it is mainly concerned with development of site and its environment. Collaboration with key institutions, it is also part of enforcement in action plan for PMP of Pyu Ancient Cities.

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

|   |                |
|---|----------------|
| World Heritage managers/coordinators and staff          | Fair           |
| Local/municipal authorities                             | Non-existent   |
| Local communities                                       | Non-existent   |
| Indigenous peoples                                      | Non-existent   |
| Landowners  | Not applicable |
| Women   | Non-existent   |
| Researchers   | Fair           |
| Tourism industry  | Non-existent   |
| Local businesses and industry                           | Non-existent   |
| NGOs  | Not applicable |
| 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.

1. To be implemented with priority actions in designated PMP 2. To be ensured the management system 3. To be established the Research Strategy which will be supported for site interpretation and further actions for heritage site.

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

1. Building and Development: Encroachment- Monthly monitoring 2. Burial Site/ Burial Site with burial urns/ Site Museum- Quarterly monitoring 3. Departmental Routine Work- Report in Monthly 4. Project Implementation- Reporting after finished the works ( Excavation/ Conservation/ Exploration...)

### 11. Identification of Priority Management Needs

#### 11.1 - Identification of Priority Management Needs

|        |  |   |
|--------|--|---|
| 5.1    | Boundaries and Buffer Zones  |   |
| 5.1.2  | The boundaries of the World Heritage property <b>are known</b> by the management <b>authority but are not known</b> by local communities/landowners  |   |
| 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  |   |
| 5.2.3  | An <b>adequate legal framework</b> for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists <b>but there are some deficiencies in implementation</b> | × |
| 5.2.4  | The <b>legal framework</b> in the buffer zone for maintaining the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property <b>is inadequate</b>                                    |   |
| 5.2.5  | There is <b>no legal framework</b> for controlling use and activities in the broader setting of the World Heritage property and the buffer zone  |   |
| 5.2.6  | There are <b>major deficiencies in capacity/resources</b> to enforce legislation and/or regulation in the World Heritage property  | × |
| 5.3    | Management System/Management Plan  |   |
| 5.3.5  | <b>Some use</b> has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property   |   |
| 5.3.7  | <b>Some use</b> has been made of the Policy Document on the Impacts of Climate Change on 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>  | × |
| 5.3.12 | The management system/plan is <b>only partially adequate</b> to maintain the property's Outstanding Universal Value  |   |
| 5.3.13 | The management system at the property is <b>only being partially implemented</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> <li>In a <b>limited manner</b>, the management system of the World Heritage property does <b>provide ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)</b></li> <li>In a <b>limited manner</b>, the management system of the World Heritage property does <b>contribute to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status</b></li> <li>In a <b>limited manner</b>, the management system of the World Heritage property does <b>integrate a human rights-based approach</b></li> </ul> |   |
| 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 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  |   |
| 6.1.12   | <b>A site-based</b> capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, <b>but most technical work is carried out by external staff</b>  | ✗ |
| 7  | <b>Scientific Studies and Research Projects</b>   |   |
| 7.1  | Knowledge about the values and attributes of the World Heritage property is <b>insufficient</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>   | ✗ |
| 7.3  | Research results are <b>not shared at any level</b>   |   |
| 8  | <b>Education, Information and Awareness Building</b>  |   |
| 8.2  | There is a <b>limited and ad hoc education</b> and awareness programme for children and/or youth  | ✗ |
| 9  | <b>Visitor Management</b>   |   |
| 9.7  | There is <b>a strategy</b> to manage visitors, tourism activity and its derived impacts on the World Heritage property but it is <b>not implemented</b>   |   |
| 9.9  | Visitor use of the World Heritage property is <b>not being actively managed despite an identified need</b>  |   |
| 9.11   | There is <b>limited cooperation</b> between those responsible for the World Heritage property and the tourism industry <b>to present the Outstanding Universal Value and increase appreciation</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   | <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>   | ✗ |
| Please select 0 more issues.   |   |   |
| <input checked="" type="checkbox"/> 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

|        |   |  |  |  |  |  |  |
|--------|---|--|--|--|--|--|--|
| 4.3    | <b>Services Infrastructures</b>               |  |  |  |  |  |  |
| 4.3.4  | Localised utilities                           |  |  |  |  |  |  |
| 4.3.5  | Major linear utilities                        |  |  |  |  |  |  |
| 4.4    | <b>Pollution</b>                              |  |  |  |  |  |  |
| 4.4.5  | Solid waste                                   |  |  |  |  |  |  |
| 4.11   | <b>Sudden ecological or geological events</b> |  |  |  |  |  |  |
| 4.11.2 | Earthquake                                    |  |  |  |  |  |  |
| 4.13   | <b>Management and institutional factors</b>   |  |  |  |  |  |  |

|        |  |   |  |  |  |  |  |
|--------|--|---|--|--|--|--|--|
| 4.13.1 | Management system/Management plan          | Criterion (iv) Typology: Urban Morphology, Hydrological Engineering Features  | Criterion (iv): Inventory, Assessment; Research; Awareness; Implemented the regional plan.   | Criterion (iv): Rate of change and deterioration in annually   | Criterion (iv): Medium Term (1 year to 3 years)  | 1. Focal Institutions: Site Office and GAD<br>2. Relevant Institutions   | 1. Awareness raising<br>2. Prepare for rehabilitation plan<br>3. Enforce the legal intervention  |
| 4.13.2 | Legal framework                            | Criterion (iii) Testimony: Excavated site with exposed structure; Existing structure; Buried Archaeological Deposit<br>Criterion (iv) Typology: Urban Morphology, Hydrological Engineering Features | Criterion (iii): Inventory, Assessment; Research; Awareness; Contribution the knowledge<br>Criterion (iv): Inventory, Assessment; Research; Awareness;                             | Criterion (iii): Rate of change and deterioration in quarterly in a year<br>Criterion (iv): Rate of change and deterioration in annually | Criterion (iii): Short Term (6 months to 1 year); Medium Term (1 year to 3 years)<br>Criterion (iv): Medium Term (1 year to 3 years) | Criteria (iii): Focal Institutions: Site Office; Heritage Trust; Local Community Criteria (iv): 1. Focal Institutions: Site Office and GAD<br>2. Relevant Institutions | Criteria (iii): Awareness raising and participation; enforce the legal intervention<br>Criteria (iv): Awareness raising; Prepare for rehabilitation plan; Enforce the legal intervention |
| 4.13.3 | Governance                                 | Criteria (ii), (iii) and (iv): All attributes   | 1. Inventory, Assessment; Research; Technical Implementation (Conservation and Preservation)<br>2. Interpretation and Shared Knowledge<br>3. Collaboration<br>4. Budget Allocation | Rate of change and deterioration Reporting and Assessment; Selection of priority item.   | Short Term (6 months to 1 year); Medium Term (1 year to 3 years); Long Term (3 to 5 years)   | 1. PYUCOM, MORAC and DANM<br>2. Site Office and Regional Authorities<br>3. Respective Institutions   | National Level: Property Decision<br>Regional Authorities: Encourage and Monitoring<br>Site Level: Operated regularly  |
| 4.13.4 | Management activities                      | Criteria (ii), (iii), (iv): All attributes  | Follow up described in Property Management Plan  | There should be followed up with mentioned in Property Management Plan.  | Short Term (6 months to 1 year); Medium Term (1 year to 3 years); Long Term (3 to 5 years)   | 1. PYUCOM, MORAC and DANM<br>2. Site Office and Regional Authorities<br>3. Respective Institutions   | 1. Determined and recognized with description in Property Management Plan<br>2. Assessment and evaluation in biannually and annually work done.  |
| 4.13.6 | Human resources                            | Criteria (ii), (iii), (iv): All attributes  | 1. Prepare and plan for Strategy for Capacity Building<br>2. Collaborate with Field School of Archaeology<br>3. Cooperate with local and international experts and institutions    | Assessment and evaluation in annually.   | Medium Term (1 year to 3 years); Long Term (3 to 5 years)  | 1. Site Office and Heritage Trust<br>2. Key Institutions<br>3. Stakeholder   | 1. Site-based implementation<br>2. Institutional restructuring<br>3. National Strategy   |
| 4.13.8 | High impact research/monitoring activities | Criteria (ii) and (iii): Existing Monuments and Tangible evidence   | 1. Collaborate with relevant Experts<br>2. Assessment and evaluation   | Rate of change and deterioration Reporting and Assessment; Selection of priority item.   | Medium Term (1 year to 3 years); Long Term (3 to 5 years)  | 1. DANM and Site Office with relevant Experts<br>2. National Authority   | Supporting the fund raising  |

Question not completed

## 12.2. Summary - Management Needs

### 12.2.1 - Summary - Management Needs

|       |  |  |   |  |   |
|-------|--|--|---|--|---|
| 5.1   | Boundaries and Buffer Zones  |  |   |  |   |
|       |  | Actions  | Timeframe   | Lead agency (and others involved)                                | More info / comment   |
| 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> | 1. Erecting the boundaries posts<br>2. Awareness raising | 1. Medium Term (1 to 3 Years)<br>2. Short Term ( Within 1 Year); Medium Term (1 to 3 Years) | 1. DANM and Site Office<br>2. Institutions and Local Communities | 1. Supporting budget allocation<br>2. Supporting the fund raising and preparing the proper action plans |

|       |  |   |   |   |   |
|-------|--|---|---|---|---|
| 5.2   | Protective Measures  |   |   |   |   |
| 5.2.3 | An <b>adequate legal framework</b> for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property exists <b>but</b> | 1. Awareness raising and shared the knowledge<br>2. Enforce the legal application | 1. Short Term ( Within 1 Year); Medium Term (1 to 3 Years)<br>2. Medium Term (1 to 3 Years); Long Term (3 to 5 Years) | 1. DANM and Site Office; Regional Authorities<br>2. MORAC, DANM and Site Office; Regional Authorities with Key Institutions | 1. Collaborating with key institutions<br>2. Decision and collaborating |

|        |  |   |  |  |  |
|--------|--|---|--|--|--|
|        | there are some deficiencies in implementation  |   |  |  |  |
| 5.2.6  | There are <b>major deficiencies in capacity/resources</b> to enforce legislation and/or regulation in the World Heritage property  | 1. Training and Workshop 2. Share the knowledge   | 1. Short Term ( Within 1 Year);Medium Term (1 to 3 Years)<br>2. Medium Term (1 to 3 Years)                             | 1. Key Institutions 2. Heritage Trust and local communities  | 1. Involve with National Authorities 2. Prepare the proper action plans  |
| 5.3    | <b>Management System/Management Plan</b>   |   |  |  |  |
| 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>  | 1. Contribution and shared the knowledge the Property Management Plan 2. Conduct in selection/ priority area                  | 1. Short Term ( Within 1 Year);Medium Term (1 to 3 Years)<br>2. Short Term ( Within 1 Year);Medium Term (1 to 3 Years) | 1. Key Institutions and Heritage Trust 2. Key Institutions, Heritage Trust and Local Communities                       | 1. Selection the resource cultural partitioners 2. Support National Authority and Regional Authorities   |
| 5.3.13 | The management system at the property is <b>only being partially implemented</b>   | 1. Assessment and evaluation the issues 2. Select to implement for major issues   | 1. Short Term ( Within 1 Year);Medium Term (1 to 3 Years)<br>2. Medium Term (1 to 3 Years); Long Term ( 3 to 5 Years)  | 1. DANM and Site Office with key institutions 2. DANM and Site Office with key institutions                            | 1. Report and present to National Authority and Regional Authorities 2. Report and present to National Authority and Regional Authorities        |
| 6.1    | <b>Funding</b>   |   |  |  |  |
| 6.1.12 | <b>A site-based</b> capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, <b>but most technical work is carried out by external staff</b> | 1. Invite and collaborate with respective experts (Local/ International)  | 1. Medium Term (1 to 3 Years); Long Term ( 3 to 5 Years)   | 1. DANM and Site Office with target institutions   | 1. Support with National Authority and Regional Authorities  |
| 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>  | 1. Understand and recognize the World Heritage Significance 2. Collaborate with local and international experts               | 1. Medium Term (1 to 3 Years); Long Term ( 3 to 5 Years) 2. Medium Term (1 to 3 Years); Long Term ( 3 to 5 Years)      | 1. DANM and Site Office 2. DANM and Site Office with respective institutions   | 1. Support with National Authority and Regional Authorities 2. Prepare the Research Strategy   |
| 8      | <b>Education, Information and Awareness Building</b>   |   |  |  |  |
| 8.2    | There is a <b>limited and ad hoc education</b> and awareness programme for children and/or youth   | 1. Prepare the resource document 2. Share and contribute the knowledge (included the curriculum) 3. Assessment and evaluation | 1. Medium Term (1 to 3 Years) 2. Medium Term (1 to 3 Years); Long Term ( 3 to 5 Years) 3. Long Term ( 3 to 5 Years)    | 1. DANM and Site Office with respective experts 2. School and Universities 3. Focal Institution and Respective Experts | 1. Support the National Authority 2. Support the National Authority and collaborate with respective Ministries 3. Support the National Authority |
| 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> | 1. Assessment and evaluation in plan and ground situations 2. Assessment and evaluation | 1. Medium Term (1 to 3 Years) 2. Medium Term (1 to 3 Years) | 1. MORAC, DANM and Site Office 2. MORAC, DANM and Site Office with concerned institutions and local communities | 1. Desire for action 2. Implement with respective outcomes |
|------|--|---|---|---|--|

| 10   | Monitoring  |   |   |   |  |
|------|---|---|---|---|--|
| 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> | 1. Study and understand 2. Share and contribute 3. Implement in respective area | 1. Short Term ( Within 1 Year);Medium Term (1 to 3 Years) 2. Medium Term (1 to 3 Years) 3. Short Term ( Within 1 Year);Medium Term (1 to 3 Years) | 1. DANM and Site Office 2. Heritage Trust and Local communities 3. DANM and Site Office with all stakeholders | 1. Conduct regularly 2. Participate actively 3. Act properly |

Summary - Management Needs completed

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

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

The Authenticity of the World Heritage property **has been compromised** by factors described in this report

### 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 impacted by factors described in this report, but this situation is being addressed through effective management actions.**

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

Other important cultural and/or natural values are being **partially degraded** but the state of conservation of the World Heritage property has **not been significantly impacted**

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

After inscribed the World Heritage List in seven years, there must be conducted as follows:- 1. Urgently rehabilitated and reformed the capacity building in staffs and institution 2. Collaboration with key institutions to implement to priority actions in PMP 3. Encouraged and supported the "rule of laws in heritage protection" 4. Assessment and evaluated the Property Management Plan and its sectoral/ auxiliary plans

## 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   | No impact |
| Research and monitoring                                      | Positive  |
| Management effectiveness                                     | Positive  |
| Quality of life for local communities and indigenous peoples | Negative  |
| Recognition  | Positive  |
| Education  | No impact |
| Infrastructure development                                   | Positive  |
| Funding for the property                                     | Negative  |
| International cooperation                                    | Positive  |
| Political support for conservation                           | Positive  |
| Legal/Policy framework                                       | Positive  |



|   |                                  |
|---|----------------------------------|
| Advocacy  | Positive                         |
| Institutional coordination  | No impact                        |
| Security  | No impact                        |
| Gender equality   | No impact                        |
| Provision of ecosystem services/ benefits to local communities  | 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   | Positive                         |
| Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties   | No impact                        |
| Other   | No impact                        |
| If 'Other', please specify  | Heritage Trustee/ Monk Community |

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

1. Restructuring the institutions 2. Plan and prepare the capacity building in staff members with respective outline of PMP 3. Collaboration with key indicator institutions 4. Enforce for rule of law 5. Prepare and draw the adequate implemented plan for medium terms and long terms 6. Cooperate with local and international experts and institutions

## 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

Concerned with World Heritage Sites of Pyu Ancient Cities, there are implementing with "GIS application in Heritage Management (Map Production)". Before conducting the nomination processes in Pyu Ancient Cities, there was a little knowledge in GIS application in Archaeology and Heritage in Myanmar. With the help of Itlay Fund with UNESCO, there has been established the "GIS application in Heritage Management System". In fact, these information technology with heritage recording and monitoring have not fully utilized in every sectors. But, that project has engaged with advanced in recording system, learning and studying tool of archaeological conducting. When the world heritage nomination dossier have proceeded in respective sites, that task are supported for further research work and management measures in site and its environment. That tools will put forward for fulfillment for heritage management in site, including the comparative analysis for site significance. It is also encouraging the administrative procedure with DANM and others institutions. Learning and operating with GIS tools in heritage studying, it is initiated for training in capacity building in staff members of site offices and DANM. Concerned with new appointment and junior researchers, that training is very suitable and basic task for significant in heritage value. It is also motivated to train himself or herself for understanding in career. Within the ten years of conducting in cultural heritage of Myanmar proposed to World Heritage proceeding, GIS application in heritage management is changed into learning processes and management measure in institution. Nowadays, DANM has been participated in "One Map Project in Myanmar". It is a remarkable and recognized actions for changing the management measures. Unfortunately, a few departments and institutions follow and accept that technique and method for used in respective subject matters. It is a good practice in used of IT tools in site management.

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

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

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

|  |            |
|--|------------|
| State Party                            | Fair       |
| 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

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

1. Site Office data 2. DWHS, DANM data 3. Personal Implemented

## 15.3. Timing and resources

### 15.3.1 - Entities involved in the filling out of this online questionnaire (tick as many boxes as applicable)

Site Manager/Coordinator World Heritage property staff

Staff from other World Heritage properties

Donors

Other

National Focal Point

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

Gender balance has **not been explicitly** considered or implemented in the process.

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

Yes

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

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

|          | Additional resources   | No | Yes |
|----------|--|----|-----|
| 15.3.5.1 | Human resources  |    | ×   |
| 15.3.5.2 | Financial resources for organizing consultation meetings/ training |    | ×   |

## 15.4. Format and content of the Periodic Report

### 15.4.1 - How accessible was the information required to complete this questionnaire?

**Most** required information was accessible.

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

|          |                              | Very Difficult | Difficult | Easy | Very easy |
|----------|------------------------------|----------------|-----------|------|-----------|
| 15.4.2.1 | Ease of use of questionnaire |                | ×         |      |           |
| 15.4.2.2 | Clarity of questions         |                |           | ×    |           |

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

1. There should be communicated and connected properly with regional and national office of UNESCO. 2. These questionnaires must be updated in three or four yearly. 3. There should be arranged with Training or Workshop in capacity building by Regional Office/ National Office of UNESCO

## 15.5. Training and Guidance

### 15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire

|                                      |                |
|--------------------------------------|----------------|
| UNESCO World Heritage Centre         | Good           |
| UNESCO (other sectors/field offices) | Not applicable |
| 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                      | Good           |
| State Party Representative (national Focal Point) | Good           |
| UNESCO other sectors (e.g. field office)          | No support     |
| National Commission for UNESCO                    | Not applicable |
| ICOMOS International                              | Not applicable |
| ICCROM International/regional                     | Not applicable |
| ICOMOS national/regional                          | Not applicable |
| IUCN national/regional                            | Not applicable |
| IUCN International                                | Not applicable |

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

Yes

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

There must be need the as follows:- 1. Example or guidebook which are supported for understanding the questions and filling the data. 2. Previous Exercise Report (First/ Second Cycle) 3. Available in 'WHC websites (easily download as nomination dossier files) 4. Establish the Regional Level World Heritage Site Network 5. Capacity Building: Training/ Workshop/ Communicated with other World Heritage Sites

**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**

- **Map(s)**

Reason for update: Reference from CLT/WHC/NOM/20/154 date of 21October2020, GIS teams from Pyu Ancient Cities have conducted to revise and update the all Maps which illustrated submitted nomination dossier (2013) and there have total in 89 maps. These maps, recommended the technical requirements of eight titles from WHC, have already updated. Unfortunately, we could not submit in time to WHC and we would like to submit very soon.

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

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

It is very potential and practical work for not only World Heritage Sites but also those who are conducted in heritage partitioners. It should be planned for contribution to stakeholders and local communities. In particularly, these documents should be upload for public assess.

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