1.	Introduction
a.	Country (and State Party if different):
	Pakistan
b.	Name of World Heritage property:
	Historical Monuments of Thatta
C.	Give the date of inscription on the World Heritage List and subsequent extension (if applicable):
	30-10-1981
d	Person(s) responsible: Director General
	Address: Department of Archaeology & Museums, Government of Pakistan, 27-A, Al-Asif Building, Shaheed-e-Millat Road Karachi, Pakistan
e.	Signature on behalf of the State Party
	Signature:
	Name: Dr. Fazal Dad Kakar
	Function: Director General

2. Statement of significance

Please propose a statement of significance by providing a description of the World Heritage value(s) for which the property was inscribed on the World Heritage List. This description should reflect the criterion (criteria) on the basis of which the Committee inscribed the property on the World Heritage List and it should also detail what the property represents, what makes it outstanding, what the specific values are that distinguish the property as well as what its relationship with its setting is, etc:

The Historical Monuments of Makli Hills, Thatta lie about 100 KM east of Karachi and 22 KM from Jhangshahi Railway Station having about half a million tombs and graves spread over an area of 10 sq. km (912 aeries) make it the greatest Muslim necropolis in the world. It is replete with history of 400 glorious years, when Sumas (1340 to 1520 A.D.) the Arghuns (1320 to 1355 A.D.) the Tarkhans (1355 to 1592 A.D.) and Imperial Mughals (1592 to 1739 A.D.) ruled over Sindh with their capital at Thatta. This unique assemble of massive structure presents an impressive order of various monumental buildings finished in several architectural styles. In this necropolis are buried King, Queens, Governors, Saints, Scholars, Philosophers and Soldiers of a bygone era. The monuments of Makli Hills, Thatta are built either with bricks or stone. A number of monuments have conspicuous enamel tiles which were lavishly used in the form of dados, panels, etc.

Is the State Party actively considering a revision of the property boundaries or the buffer zone?

If YES, indicate what is being done to that end:

3. Statement of authenticity / integrity

Have the World Heritage values identified above been maintained since the property's inscription?

YES

Have there been changes in the authenticity / integrity since inscription?

NO

If YES, please describe the changes to the authenticity / integrity and name the main causes?

Are there (further) changes foreseeable to the authenticity / integrity of the property in the near future?

NO

4. Management

How could the arrangements for the protection and the management of the property best be defined (more than one indication possible)?

- Legal (/) The Antiquities Act 1975 of Pakistan provides adequate remedy for protection of the property
- Contractual (/) Due to World Heritage Site, the International Conventions/laws concerning protection of Cultural Heritage are also applicable, which provides additional guarantees for its protection.
- Traditional (/) The masses have great emotional attachment with this heritage site, and the people are themselves determined to protect this splendid heirloom of the history.

Please describe and assess the implementation and effectiveness of these arrangements for the preservation of the values described under item II.2 at the national, provincial and/or municipal level:

The Government of Pakistan has prepared and executed a number of different schemes for its conservation and restoration. After implementation of different projects the Department of Archaeology has succeeded to control the further deterioration and is trying its best level to preserve the Makli Hill for our future generations. Since Archaeology is on the concurrence list of the constitution of Pakistan, 1973, the Federal, Provincial and the Municipal Governments are equally responsible for the protection of all cultural heritage sites and specifically the protected and the World Heritage Sites.

In general terms can this legislative, contractual and/or traditional protection be considered sufficient?

YES

Please explain:

The present Antiquities Act, 1975 of the Department of Archaeology, Government of Pakistan provides sufficient guidelines/legislations for the protection of our cultural heritage including Makli Hill, Thatta.

Provide a list and summaries of laws and regulations concerning cultural and natural properties protection and management (including extracts of relevant articles from the Constitution, Criminal Law, Law/Regulations on Land-use, Environment Law and Forestry Law, amongst others). Please also attach any documentation available concerning these points:

The following Laws and Regulations are concerned for the protection and management of cultural properties of Pakistan:

- 1. Antiquities Act, 1975.
- 2. Excavation & Exploration Rules, 1978.
- 3. Conservation Manual.
- 4. Dealing in Antiquities Rules, 1989.
- 5. Export of Antiquities Rules, 1979.
- 6. Immovable Antiquities (mining, quarrying and blasting in restricted areas) Rules, 1979.
- 7. Admission of Public into Immovable Antiquities Rules, 1982.
- 8. Cinematographical Filming Rules, 1980.

Describe the administrative and management arrangements that are in place for the property concerned, making special mention of the institutions and organisations that have management authority over the property as well as of the arrangements that are in place for the coordination of their actions:

The Director, Southern Circle of Archaeology, Hyderabad, Government of Pakistan, is responsible for the administrative and management arrangements for the property concerned.

Please indicate under which level of authority the property is managed:

Property () Regional ()

National (/)

Other (please describe): World Heritage

Please provide the full name, address and phone/fax/e-mail of the entity(ies) directly responsible for the management (conservation, preservation, visitor management) of the property:

Mr. Qasim Ali Qasim,
Director
Southern Circle of Archaeology,
Department of Archaeology & Museums,
Government of Pakistan
Hyderabad, Sindh
Pakistan.

Telephone: **92-29-771305**

Fax:

E-mail:

Is it necessary to revise the administrative and management arrangements for the property?

If YES, explain why this is the case:

Is there a management plan for the property?

YES

If YES, please summarise, indicating if the plan is being implemented and since when:

The Management Plan of the property contains the administrative set up which perform vital functions for its preservation, conservation and up keep since the property is declared as a protected in terms of Antiquities.

Please report on legal and administrative actions that are foreseen for the future, to preserve the values described under item II.2 (e.g. passing of legislation, adjusting administrative and management, implementing of drawing up of a (new) management plan, etc.):

The existing Antiquities Act of 1975 has some flaws, which are being removed. The proposed amendments will certainly make the law strong enough to deal strongly with the violation of the relevant laws concerning protection of cultural heritage.

Please provide detailed information, particularly in cases where changes have occurred since the inscription of the property, on the following matters:

Conservation

Make reference to all major interventions at the property and describe its present state of conservation:

The Makli Hill Monuments are exposed to the hazards of natural calamities such as earth quakes, sandy stones, variation of temperature, winds containing salts and humidity, heavy rains, and natural growth. Due to limited funds available, with the Department of Archaeology & Museums the pace of preservation is far slower than the pace of the hazards. Therefore substantial funds are required to arrest the decay of Makli Hill Monuments, Thatta.

The monuments at Makli Hill are located on the crown of the hill. therefore these are exposed to many hazards, both natural and man made. The agencies of decay active on this site have generated problems ranging from general state of disrepair to conditions varying on collapse. Brick structures are in an advanced stage of decay and disintegration while many of the stone structure are in urgent need of repair and consolidation. The situation concerning the stone canopies and uncovered graves is aggregated by their easy and accessibility whereby damage and loss by pilferage has assumed colossal proportions. The Department of Archaeology & Museums has been carrying out conservation work to those monuments under its Annual Repair and special Repair Programmes but never to the extent of right type conservation. Mainly due to financial constraints various attempts were made to formulate a comprehensive master plan for the preservation of Makli Hill Monuments but unfortunately the Department of Archaeology & Museums could not succeed in it. A proposal for Documentation, preservation and up gradation of historical necropolis at Makli Hills, Thatta is under process of finalization. The present condition of the great necropolis leaves much to be desired. Most of the platforms hearing graves under the open sky are in a deteriorated condition. Some of the tombs have also greatly suffered from the ravage of time.

Ownership

Make reference to all major changes in ownership of the property and describe the present state of ownership:

No changes have been made/occurred in the ownership of the property concerned, which is still under the control of Department of Archaeology and Museums, Government of Pakistan.

Please, give a detailed description of the staffing of the site:

The staffing position of the property concerned is as under:

- 1. Curator
- 2. Archaeological Conservator
- 3. Technical Assistant
- 4. Technical supporting staff.
- 5. Watch and Ward staff.

Is the staffing level sufficient for adequate management of the property?

NO

If NO, what should be done to improve the situation?

In order to improve and perform the duties of the Curator, a number of staff is required to properly manage and conserve the World Heritage. The Department is trying to secure necessary staff for the purpose.

Does the staff need additional training?

YES

If YES, what are the training needs for your staff?

- 1. Conservation training in different fields such as, Stone conservation, Bricks conservation, Chemical treatment, landscaping, etc.
- 2. Curatorial staff training.

Describe the funding and financial situation of the property, indication sources, level and regularity of financing:

The main source of funds for the Department of Archaeology & Museums for the Preservation of Conservation of the Cultural Heritage of the country is allocation from the National Budget.

There are two types of Budget under which the conservation of sites and monuments is carried out by the Department of Archaeology & Museums Government of Pakistan.

- a) Normal Budget
- b) Annual Development Programme (ADP)

a) NORMAL BUDGET:

This Budget is provided to our Circle Offices/S.R.Os annually for the conservation of the sites/Monuments which is used for carrying out the annual repair and maintenance of the sites and monuments. Under this budget, special problems are also attended concerning to the Conservation of the Sites/Monuments.

b) ANNUAL DEVELOPMENT PROGRAMME

Under the Annual Development Programme the Government provides the funds to the Department of Archaeology & Museums on the already approved schemes. This budget is also provided annually according to the approval phasing of the scheme.

Source of expertise and training in conservation and management techniques.

The Department of Archaeology & Museums has established an institute known as Pakistan Institute of Archaeological training and Research (PIATR) at Lahore Fort, Lahore in 1986. The PIATR is the main source to provide training in conservation and management techniques and other related trainings for the managers and curators of the cultural properties. The PIATR has successfully organized many International and National Training Programmes some of them with the assistance of the UNESCO.

Is the available funding sufficient for adequate management of the property?

NO

If NOT, describe the financial resources that would be required for the management of the property:

For the proper management of the property different financial resources could be utilized for the purpose. The Department of Archaeology and Museums collect funds through different resources, which can be utilized for the property concerned to implement on the different schemes/programmes for the preservation of Makli Hill Monuments, Thatta.

World Heritage Fund:	Nil
 UNESCO International Campaign: 	Nil
 National and/or regional projects of UNDP, the World agencies: 	
Bilateral co-operation:	Nil
Other assistance:	Nil
Describe the IT (computer) equipment of the site and/or ma and assess its effectiveness:	nagement office
and assess its effectiveness.	NO
Are you using (multiple indications are possible):	
✓ PC () Apple () Mainframe ()	
Please, give the number of available computers:	
Does an operational access to the Internet exist?	TWO NO
Is e-mail used for daily correspondence?	
	NO
Is there a Geographical Information System (GIS) for the site?	NO
If YES, what software do you have and how is the GIS used?	
List scientific studies and research programmes that have concerning the site:	been conducted
An expert mission composed of Mr. J. Smyth and sponsored by UNESCO visited Pakistan in 1980 from texamining the main constraints on the future development.	the purpose of

Indicate International Assistance from which the property has benefited:

tourism, and identifying projects for conservation of the cultural heritage. The Department of Archaeology & Museums has been carrying out different programmes for the conservation of the Monuments at Makli Hill, Thatta under its Annual Report, Special Repair Programmes but still a comprehensive programme/master plan is required for the proper conservation of the Makli Hill Monuments, Thatta.

Describe financial and human resource inputs for the research programmes and or facilities:

The Conservation staff of the Sub Regional Office, Peshawar according to allocated funds carried out different schemes for the conservation of Makli Hill Monuments, Thatta.

Describe how the information / results are disseminated?

Are there any visitor statistics for the site?

NO

If YES, please summarise the statistics and attach to this report:

What visitor facilities do you have at the property?

NIL

What visitor facilities are you in need of?

- 1. Public Toilets
- 2. Cafeteria
- 3. Telephone, E-mail and Fax facilities
- 4. Souvenir Shop and Antique Shop

Is a public use plan (tourism / visitor management plan) in existence for the property?

NO

If YES, please summarise, if NO explain if one is needed:

A comprehensive visitor management plan is required for the visitors.

Indicate how the property's World Heritage values are communicated to residents, visitors and the public (please attach examples of leaflets, videos, posters etc. and print-outs and/or the address of a web-page):

A number of published material are available in the shape of Leaflets, Books and Information Booklets.

Are there educational programmes concerning the property aimed at Schools?

NO

If yes, please describe:

What role does World Heritage inscription play for the site concerning the visitor number, the research programmes and/or the awareness building activities?

A number of visitors/tourists both from home and abroad are attracted in a large number since its inscription on World Heritage List by UNESCO.

5. Factors affecting the property

Please comment on the degree to which the property is threatened by particular problems and risks, such as development pressure, environmental pressure, natural disasters and preparedness, visitors / tourism pressure, number of inhabitants. Also mention all other issues that you see as problematic.

Due to vicissitudes of time, vagaries of nature and human vandalism, the historical monuments at Makli Hill, Thatta have suffered to a great deal. In some of the monuments building structure have either been fallen down on their walls are under mind. Due to ill effects of salinity and salt borne winds, the carved stones and glazed tiles are flaking off. The Department of Archaeology & Museums have made an intensive survey of the historical monuments at Makli Hill, Thatta and prepared on tentative scheme for the conservation and restoration of these monuments located in first, second and third group of monuments but due to constraints of funds Department is facing difficulties to implement on it.

Is there an emergency plan and / or risk preparedness plan for the property in existence?

If YES, please summarise the plan and provide a copy:

If NO, describe what is being done – and by whom – to counteract the dangers that threaten or may threaten the property:

Government of Pakistan is preparing Scheme/Plan for the preservation and restoration of Makli Hill Monuments Thatta.

Indicate areas where improvement would be desirable and / or towards which the State Party is work:

The improvement is desired to check the urbanization near the site, encroachments.

Give an indication if the impact of the factors affecting the property is increasing or decreasing:

Since these affects are increasing therefore an emergency plan is required to be executed.

What actions have been effectively taken, or are planned for the future, to address the factors affecting the property?

In order to overcome the problems mainly caused by weathering and other problems mentioned above, the Department of Archaeology and Museums has prepared several future schemes/plans for the conservation/preservation of monuments at Makli Hill Monuments, Thatta but due to non-availability of requisite funds the schemes could not be implemented.

6. Monitoring

If applicable, give details (e.g. dates, results, indicators chosen) of any previous periodic or reactive monitoring exercises of the property:

An expert mission composed of Mr. J. Smyth and Mr. J. Sandy Sponsored by UNESCO visited Pakistan in 1980 for the purpose of examining the main constraints on the future development of cultural tourism and identifying projects for conservation of the Cultural Heritage. Besides a Preliminary Study for the preparation of Master Plan for the Conservation and Presentation of the Makli Hill Monuments and Development of the Makli Hill Site was carried out in 1990-92 by an international expert.

Is there a formal monitoring system established for the site?

YES

If YES, please give details of its organisation:

If NOT, already in place, is the establishment of a formal monitoring system planned?

YES

If YES, please outline the functioning of that system, taking into consideration the key indicators you will be asked to define below (see 089/090):

Are there any indicators established for monitoring the state of conservation of the property?

YES

If YES, please provide up-to-date information with respect to each of the key indicators established and / or used. Care should be taken to ensure that this information is as accurate and reliable as possible, for example by carrying out observations in the same way, using similar equipment and methods at the same time of the year and day. Name and describe the key indicators for measuring the state of conservation of this property:

Though a number of works have been carried out by applying different methods for preservation of Makli Hill Monuments, Thatta but still a number of equipment/latest techniques are required for the preservation of structural remains of Makli Hill Monuments of Thatta.

If NO, indicators have been identified and / or used so far, please define key indicators for future use in monitoring:

Environmental Monitoring System is proposed for future monitoring of the state of conservation of the site. Photogrametry Laboratory for documentation of the monuments is also required. Besides modern surveying and drawing material including theodolite, surveying tables, drafting equipment etc. are also necessary for use in future monitoring.

Indicate which partners, if any, are involved or will be involved in the regular monitoring exercise:

Science and Technological Universities of Pakistan, Soil Investigation Laboratory, Lahore, Geological Survey of Pakistan, Environmental Department etc.

Identify the administrative provisions for organizing the regular monitoring of the property:

Under the convention for the protection of the World Cultural and National Heritage, it is the prime responsibility of the State Parties to take appropriate provisions and actions for the application of the convention and to put in place on site monitoring arrangements as an integral component of day-to-day and management of the sites. As per Conservation Manual of Sir John Marshall enough administrative provisions for organizing the regular monitoring of the property are provided which the Department of Archaeology and Museums are implementing.

Describe what improvement the State Party foresees or would consider desirable in improving the monitoring system.

Necessary funds may be allocated for the implementation of various programme/schemes for the purpose.

7. Conclusions and recommended actions

Please summarise the main conclusions regarding the state of the World Heritage values of the property

Thatta and the neighbouring necropolis on the Makli Hills is about 100 KM east of Karachi. The monuments in the Necropolis represents the most substantial architectural and archaeological structures of the period during 14-18th century A.D. Thatta was one of the greatest centers of Islamic learning, art and handicrafts during this period.

Makli Hill Monuments present an impressive order of various monumental building finished in several styles. In this necropolis are buried Kings, Queen, Governors, Saints, Scholars, Philosophers, and Soldiers of a bygone era. Today it is the Makli Hill which is a place of greatest attraction, as is listed on world heritage, the people throng in hundred and thousands not only to satisfy their aesthetic urge but also to get solace and inspiration form the saints.

However, with the passage of time and due to heavy rains, flow of slime wind, wild growth as other climatic conditions prevailing throughout the year, the condition of the graves and mausoleums have deteriorated to the extent that even the stone boulders with their plaster and lime stone slabs, bricks tiles, plain and glazed have deteriorated giving a pathetic picture. To save them from further deteriorated giving a pathetic picture. To save them from further deterioration it would be better to take immediate remedial measures.

The funds for preservation and conservation are provided by the Government of Pakistan thought the Ministry of Culture under different sources such as A.D.P., D.S.D.P. Special Grants and Annual Regular Budget for implementation of various schemes/projects/programme for the conservation and management of the property concerned by the

Federal Department of Archaeology & Museums.

Please summarise the main conclusions regarding the management and factors affecting the property

The tomb architecture at Makli Hill Thatta, displays a variety of influence at work in the development and execution of designs both in stone and bricks. The mausoleums are well worth exploring as each one is a master piece of the ancient art and architecture. With the passage of time the Makli Hill Monuments ha reached to the advanced stage of degradation vandalism, large variations of temperature and humidity, rain water, ageing, salinity change in the characteristics of soil, entry of unwanted elements and wild growth are few factors largely responsible for the continuing systematic degradation of greatest Muslim necropolis in the world.

Scientific preservation necessary for preventing its further degradation, if not taken immediately, the greatest Muslim necropolis is likely to sustain irremediable damage.

The agencies of decay active on this site have generated problems ranging from general state of disrepair to conditions varying on collapse, Brick structure are in an advanced stage of decay and disintegration while many of the stone structure are in urgent need of repair and consolidation. The Department of Archaeology & Museums has been carrying out conservation to there monuments under its Annual Report, Special Repair Programmes but never to the extent of right type conservation, mainly due to financial constraints. Therefore for proper managements and monitoring the site it is necessary tat enough staff should be deputed at the site including one site director who will be responsible for its upkeep and proper management includes its conservation work.

Give an overview over proposed future action / actions:

The Government of Pakistan has prepared a comprehensive scheme/plan for the conservation/preservation of the monuments at Makli Hill, Thatta.

Give a timeframe for the implementation of the actions described above:

For the year 2004-2005.

Indicate for which of the planned activities International Assistance from the World Heritage Fund may be needed (if any):

Both financial and technical International facilities/assistance is required from the World Heritage Fund.

Are there any contacts with management units of other properties within or outside your country?

NO

If YES, please explain:

Please indicate which experience made during the periodic reporting exercise and/or during the on-going conservation / protection efforts of the property could be shared with other States Parties dealing with similar problems or issues:

The Department of Archaeology and Museums has been facing a number of problems during the conservation works or different schemes such as shortage of technical skilled staff, procurement of traditional materials, etc., However the concerned authority have provided help and cooperation during the present periodic reporting exercise.

Provide the name(s) and address(es) of organization(s) or specialist(s) who could be contacted for this purpose:

Curator, Makli Hill Monuments, Thatta, Sindh, Pakistan

Telephone: **92-29-771305**

Fax:

E-mail:

BIBLIOGRAPHY

Ahmed Hassan Dani, Thatta Islamic Architecture, Islamabad, 1982

Henry Cousens, The Antiquities of Sindh, Reprinted in Karachi, 1975.

R.E.M. Wheeler, Five Thousand Years of Pakistan, London, 1975.

Idris Siddiqi, Thatta, 1979.

Suhail Zaheer Lari, A History of Sindh, Karahci, 1994.

Prof. Annemarie Sahimmel, Makli Hill: A Centre of Islamic Culture in Sindh, Karahci, 1983.

Major General M.R. Haig, The Indus Delta Country: A Memoir Chiefly on its Ancient, Reprinted in Karachi, 1972.