



# PRESERVATION OF TOMBS OF SULTAN IBRAHIM & AMIR SULTAN MUHAMMAD, WH MAKLI

**1<sup>ST</sup> CONSULTATIVE COMMITTEE MEETING**

***Folio I – Introduction to Makli***





# WHS MAKLI

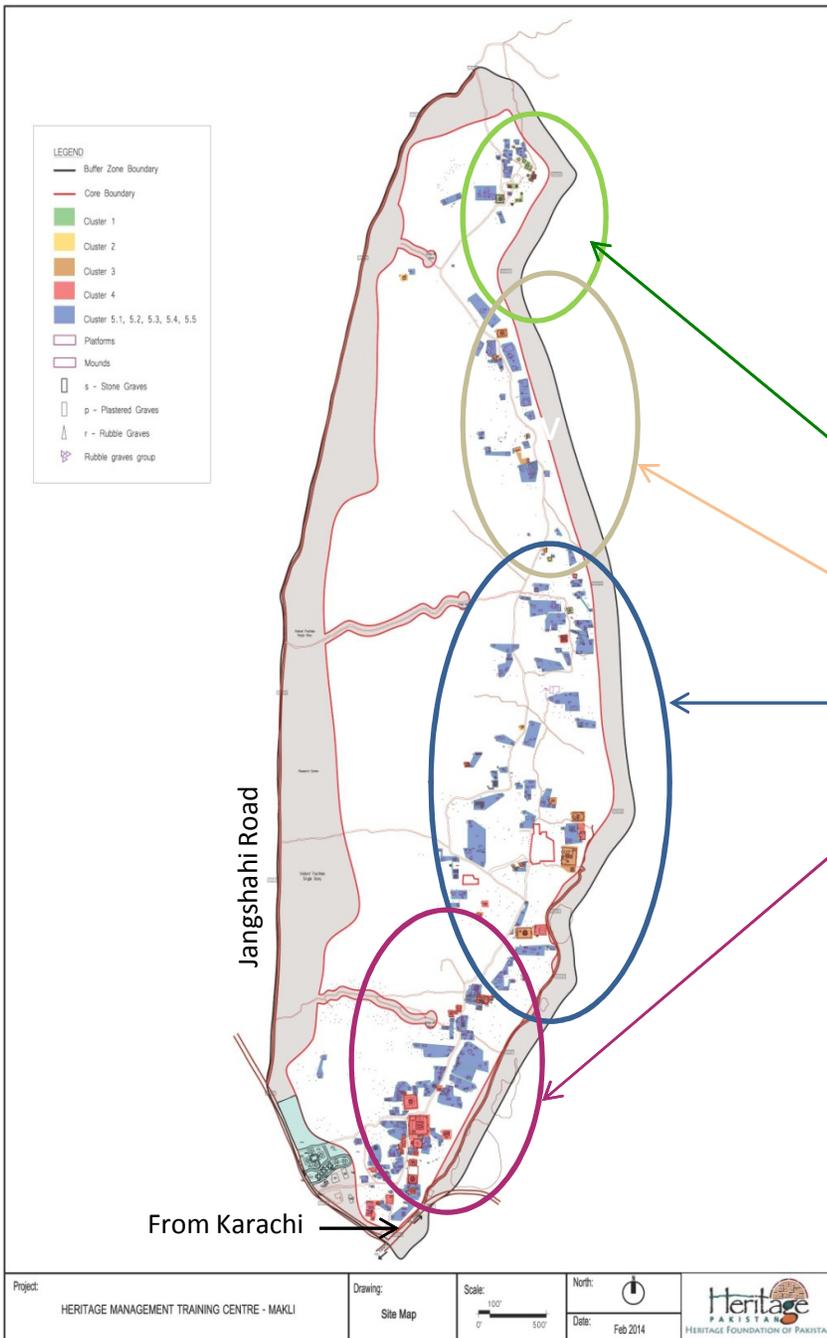
- Largest Muslim Necropolis in the World
- Spread over 12 sq km

## HISTORICAL PERIODS

- Samma Period 14<sup>th</sup>–16<sup>th</sup> c. .... 19
- Arghun Period Early to Mid16<sup>th</sup> c. .... 5
- Tarkhan Period Mid to Late16<sup>th</sup> c. .... 14
- Mughal Period 17<sup>th</sup> to 18<sup>th</sup> c. .... 37

## NO. OF HERITAGE ASSETS

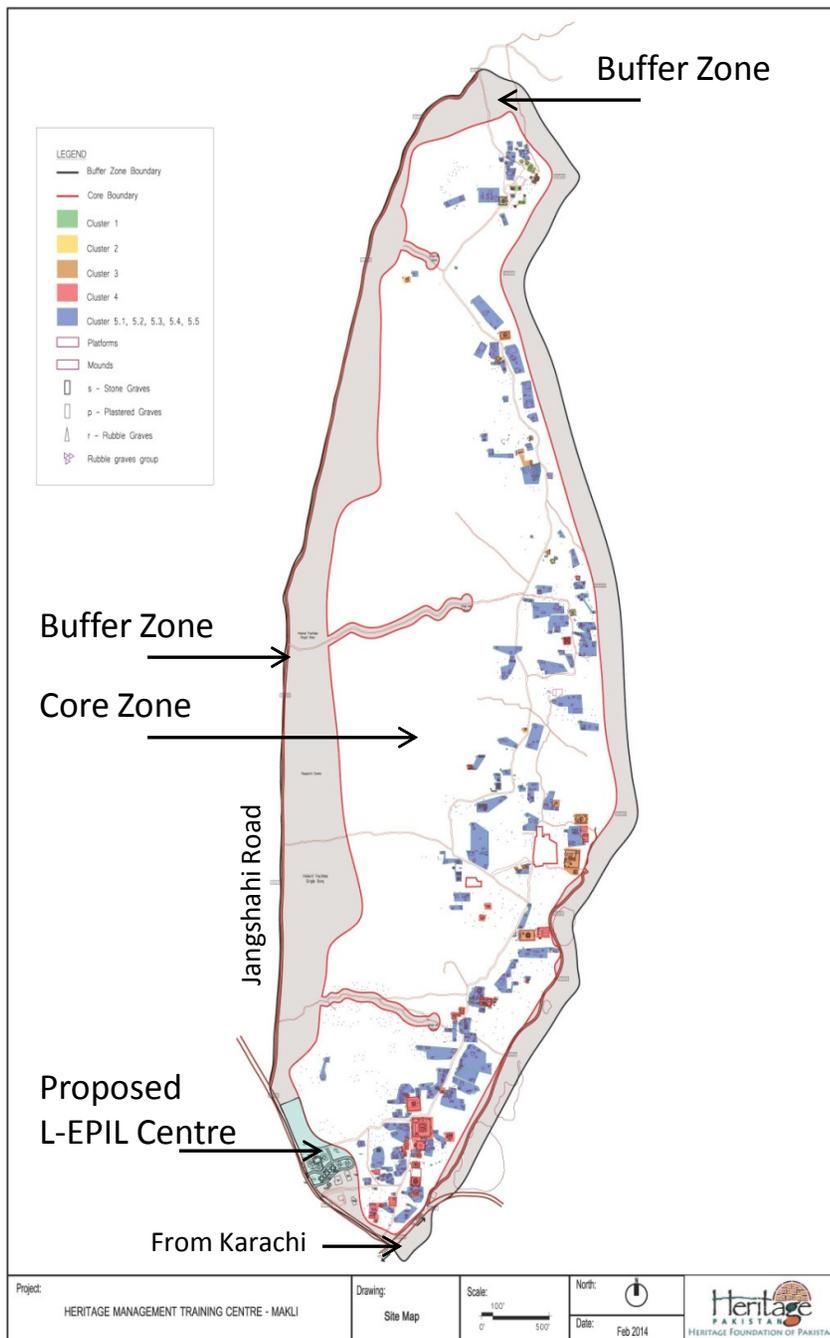
Number of Monuments	75
Platforms	402
Stone graves	454
Plastered graves	1713
Rubble graves	1251



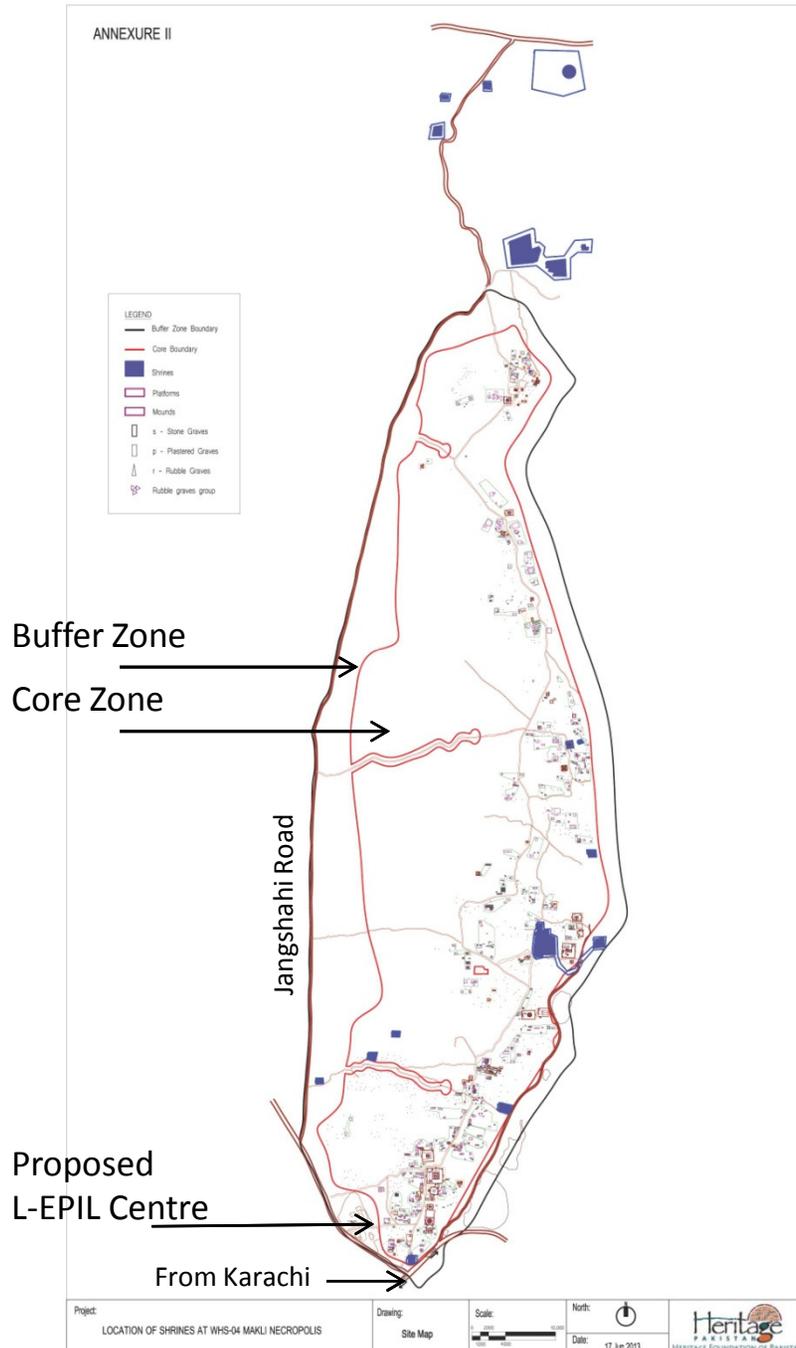
# FIRST MAP OF WHS MAKLI PREPARED BY HF, 2013

## Evaluation of Heritage Site

- 1981 Inscribed on World Heritage List
- 2006 World Monument Fund Watch List;  
UNESCO/ICOMOS Mission
- 2009 World Heritage Comm. Session 33  
with long list of requirements
- 2010 World Heritage Comm. Session 34  
UNESCO Emergency Mission;  
Makli Site threatened by displaced  
persons
- 2012 Transfer of Heritage Sites to Sindh
- 2013 Danger of World Endangered List  
averted due to work by HF with  
Direct. of Archaeology, GoS
- 2015 Deadline for Compliance



# SHRINES AT MAKLI PREPARED BY HF, 2013



## SUFI SHRINES

- Abdul Shah Asabi
- Satiyun
- Fazal Shah Qadiri
- Baba Qasim
- Karim Bukhari Shah
- Ghoder Shah
- Juman Shah Jalali
- Mai Makli
- Miran Pir
- Shah Pariyun
- Sheikh Jia
- Abdul Rehman L. Baba
- Syed Bhagdadi Shah
- Isa Khan Langoti
- Shah Murad
- Shirazi
- Jalal Shah
- Mitho Pir
- Shah Ibrahim/Bablo Fakir
- Shah Jhando

# THREATS TO HISTORIC SITE



Influx During Floods 2010



New Graves



Land erosion/Unguarded



New Construction

# ENDANGERED STATE OF MONUMENTS



4-1.01 Khanqah Sh Hammad Jamali



4-1.02 Jamia Masjid



4-1.05 Tomb Nuri & Jam Tamachi



4-1.17 Kaus Sultani

# ENDANGERED STATE OF MONUMENTS



4-4.03 Chattri near Amir Khan Enclosure



4-4.13 Baradari



4-4.17 Unknown Enclosure

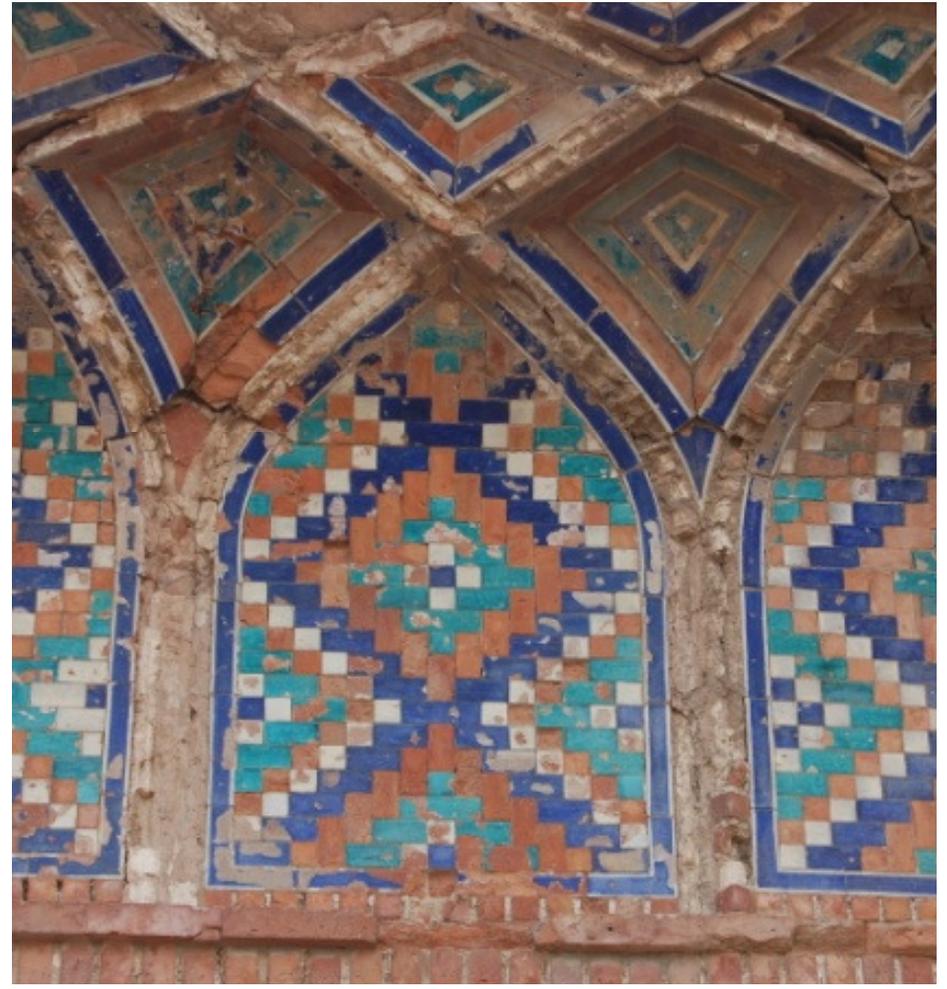


4-4.18 Unknown Enclosure

## DEVOTIONAL CARVING IN STONE

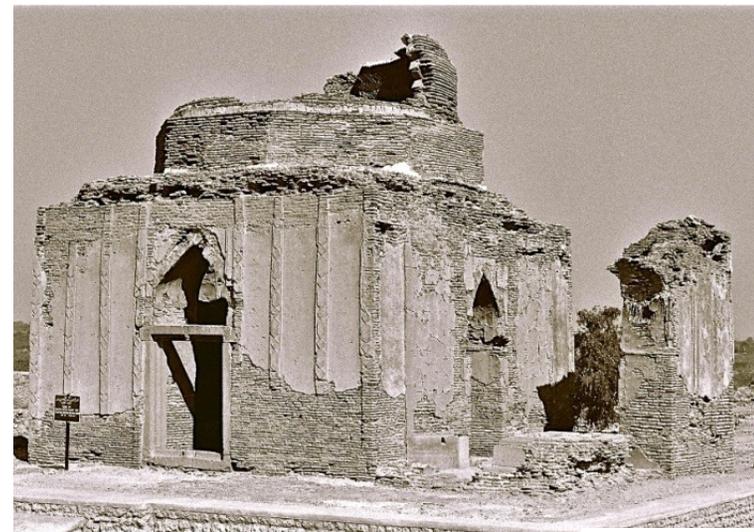
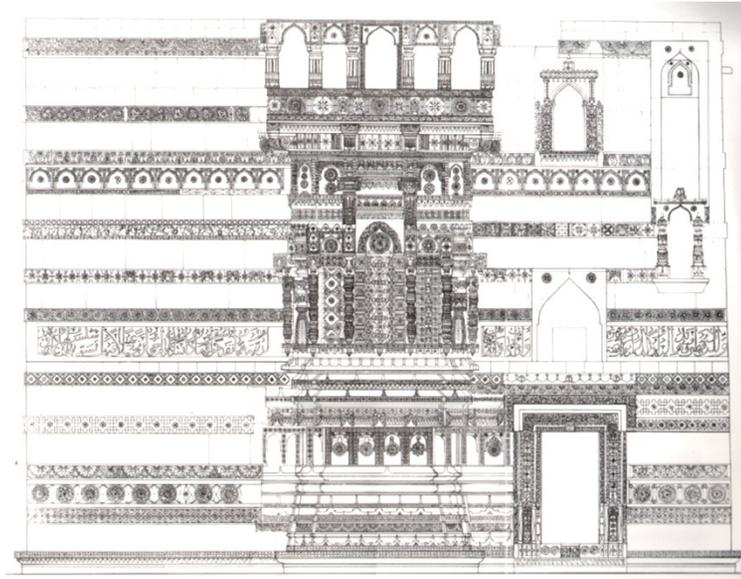
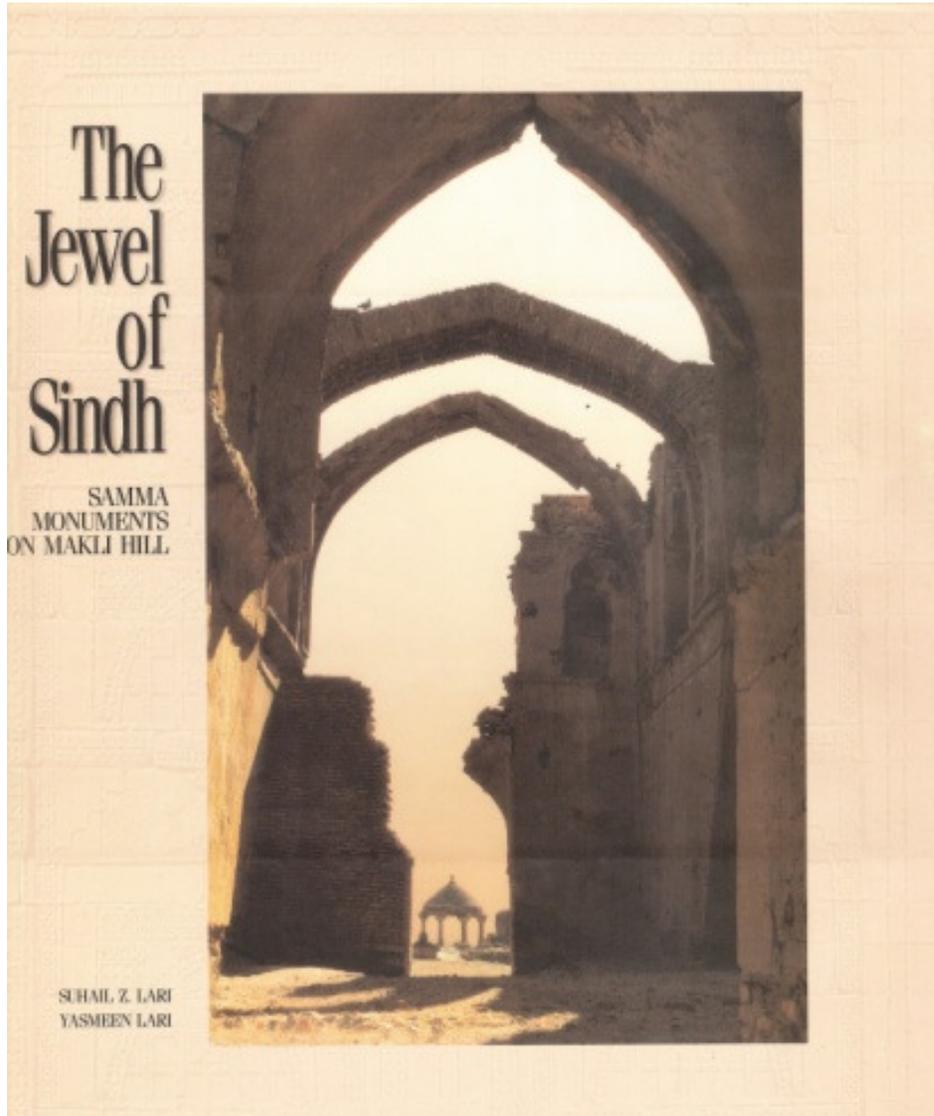


## SCINTILLATING KASHI (GLAZED TILES)

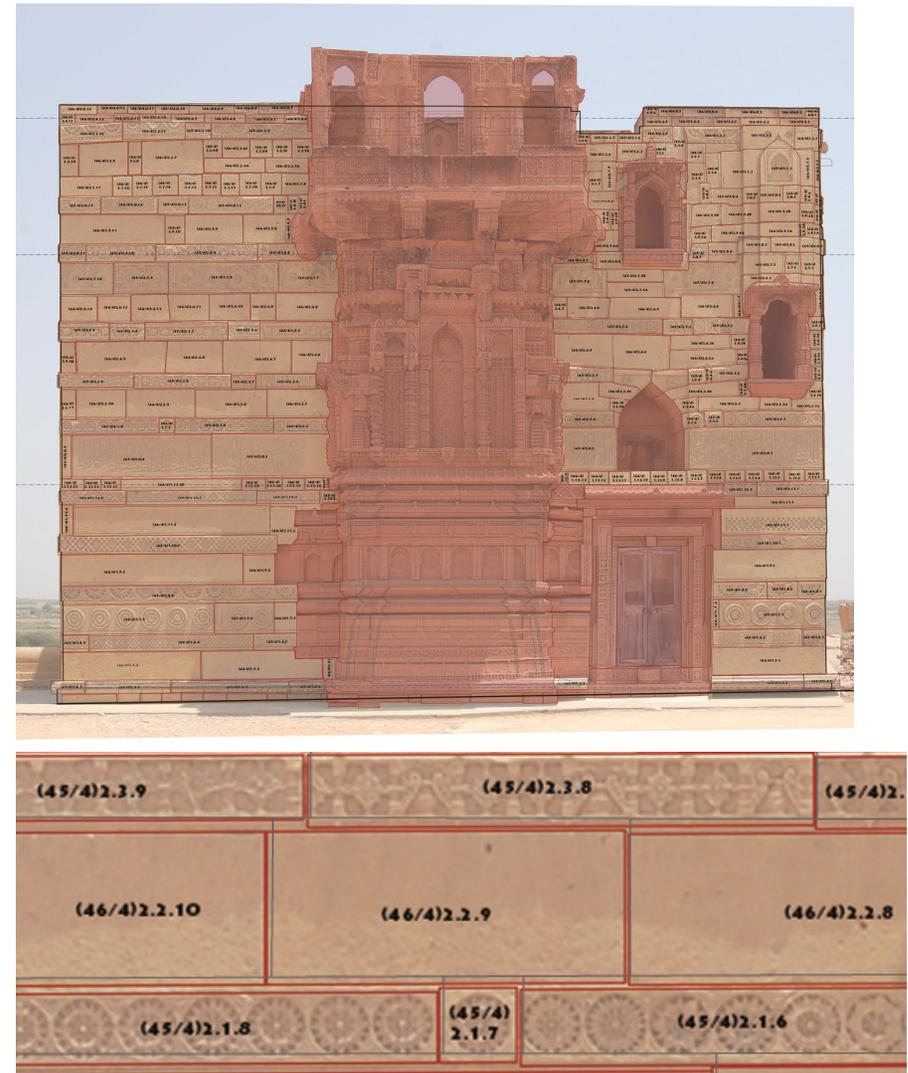
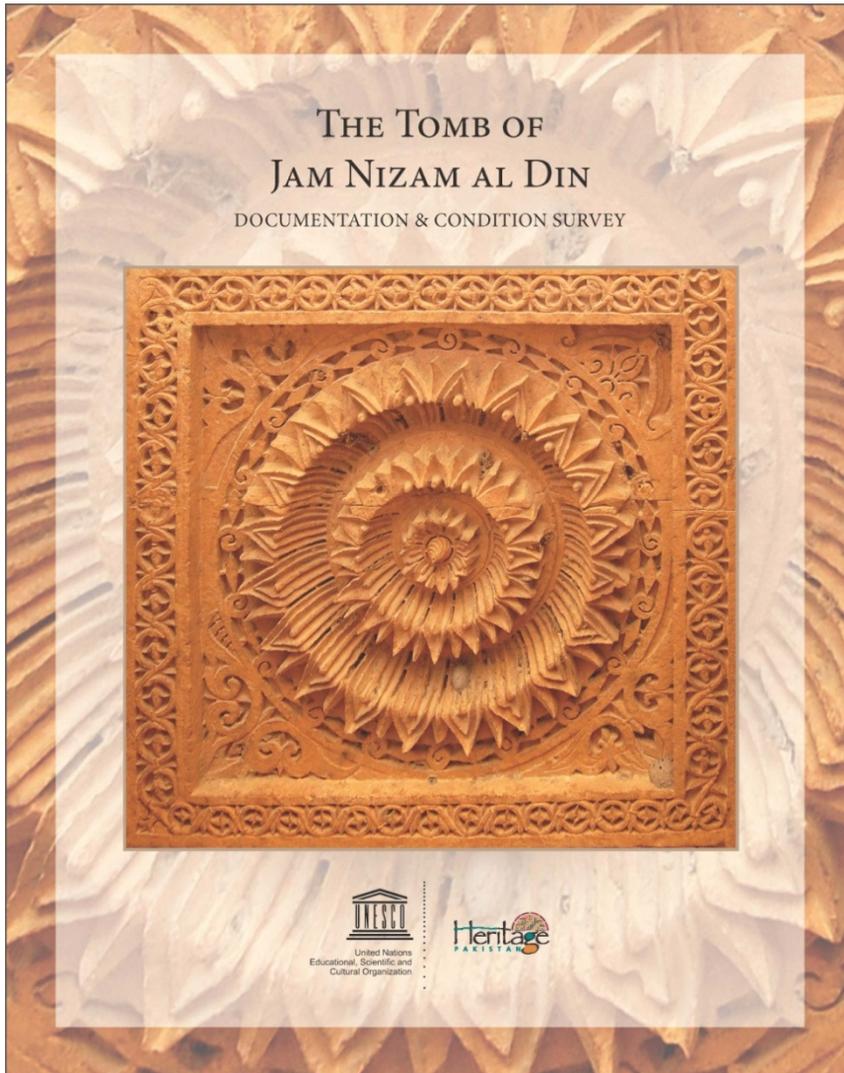


# HF WORK AT MAKLI

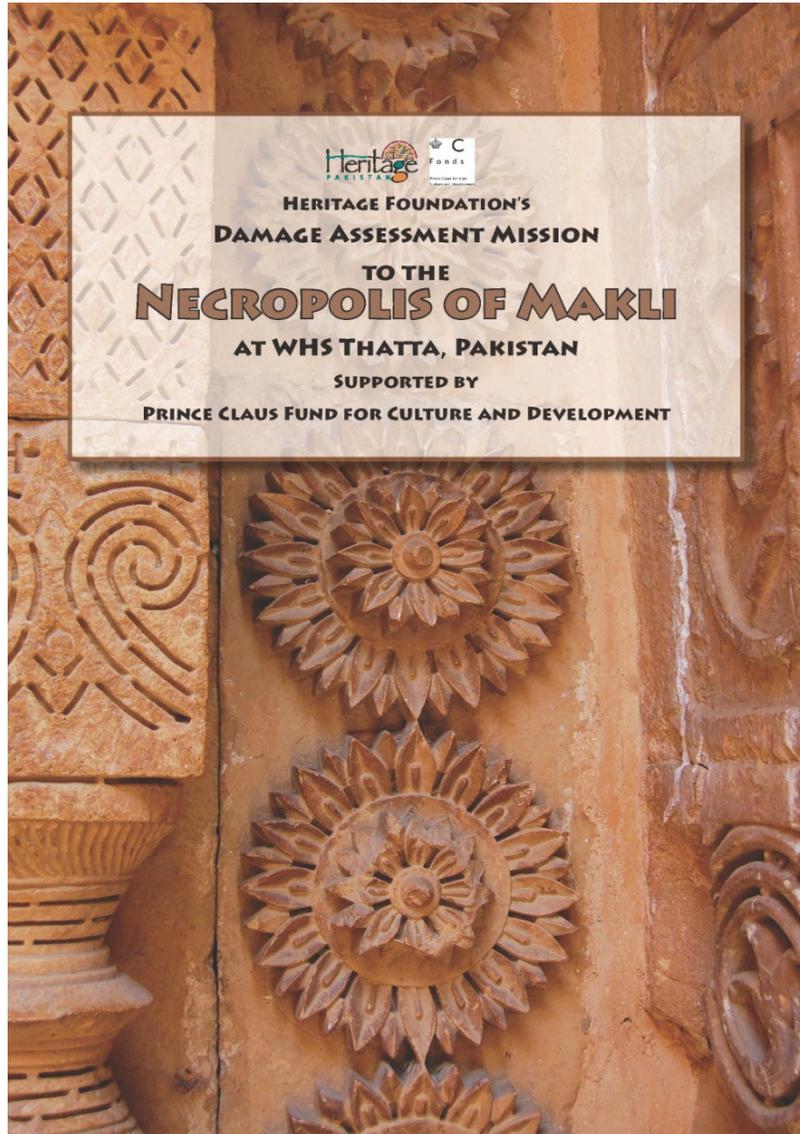
## DOCUMENTATION 1987, PUBLICATION 1993



# HF WORK AT MAKLI WITH UNESCO DOCUMENTATION & CONDITION SURVEY, 2010



# HF WORK AT MAKLI WITH PRINCE CLAUD FUND DAMAGE ASSESSMENT MISSION, 2010



## DAMAGE ASSESSMENT MISSION TO NECROPOLIS OF MAKLI, THATTA, PAKISTAN CLUSTER 4: MUGHAL MONUMENTS



HP Reference Number  
WH54-4.01

MIRZA JANI & MIRZA GHAZI BAIG'S TOMB\*



Date: circa Early 17th c.  
GPS: N 24° 45.159'; E 67° 53.985'; 37m

The octagonal brick tomb of Mirza Jani Baig and Mirza Ghazi Baig is placed on a high plinth. Its unusual cupola carries pierced openings, with extensive use of glazed tile on external and internal faces.

Reconstruction of cupola and new glazed tile work is in evidence. Important to conserve all original features, in particular the stone lattice screens. Brickwork requires stabilization and filling mortar joints to stop further degradation.

No damage due to 2010 rains and influx visible.



HP Reference Number  
WH54-4.02

TOMB OF KHUSRAU KHAN CHARKHAS



Date: circa Early 17th c.  
GPS: N 24° 45.859'; E 67° 54.221'; 31m

Popularly known as Satcharni, it is a highly complex structure with innovative use of arcuate imagery in finely laid burnt brick. The tomb on a stone plinth is believed to be of a Khusrav Khan Charkhas, a descendant of Chengaz Khan, who began his service under Isa Khan the Elder.

The dome and upper structure have collapsed. The repairs carried out in the past have not halted its degradation and requires great efforts for protection.

Damage due to rains and influx cannot be determined.



HP Reference Number  
WH54-4.03

TOMB OF NAWAB/DEWAN SHURFA KHAN\*



Date: circa 17th c.  
GPS: N 24° 45.249'; E 67° 53.982'; 29m

The unusual and impressive tomb of Arg-hun minister Dewan Shurfa Khan (d. 1638) stands on a brick platform, its dome mounted on a drum. Semi-circular stair towers form corners of square footprint. Some of fine glazed tile (*kashi*) extant.

Over several years restoration was carried out with new *kashi* work. Severe disintegration and erosion in many parts of brick masonry and *kashi*.

No damage due to 2010 rains and influx visible.



# HF WORK WITH PRINCE CLAUS FUND EMERGENCY ASSISTANCE TO RUIN OF SAMMA NOBLE I, 2012-13

**Before**



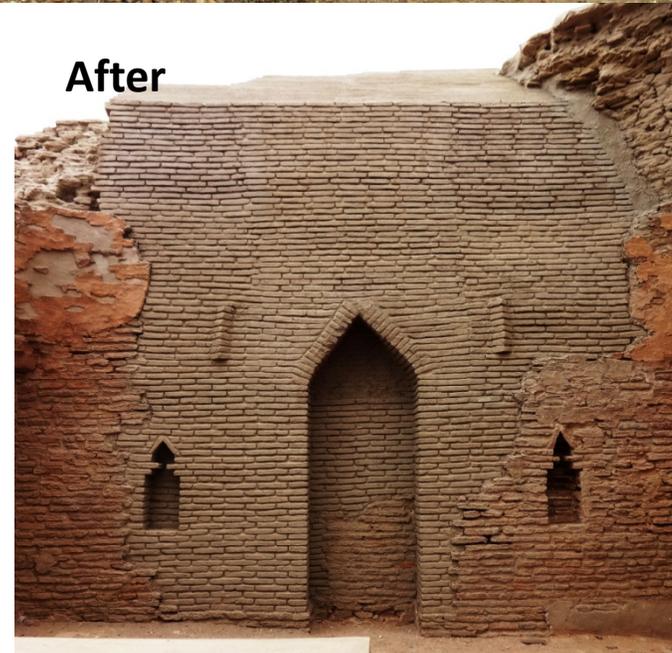
**After**



**Before**

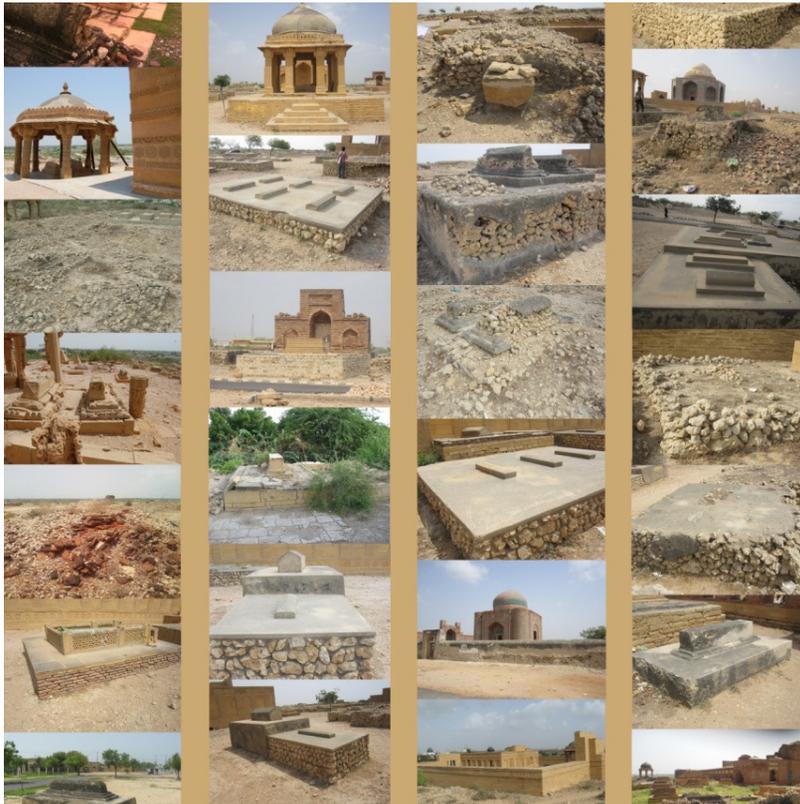


**After**



# HF WORK AT MAKLI WITH EFT

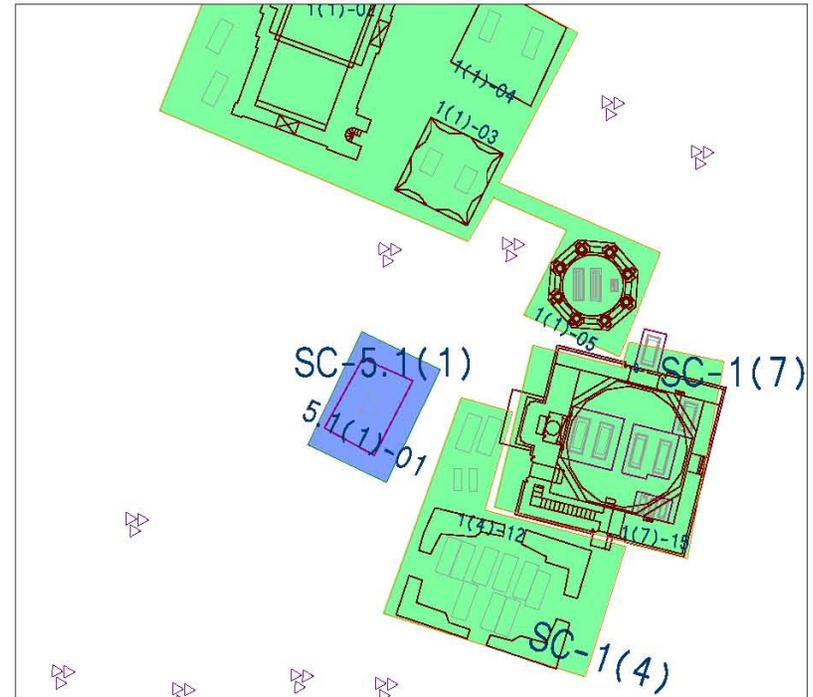
## CATALOGUING & NUMBERING HERITAGE, 2012



### CATALOGUING AND NUMBERING OF HERITAGE ASSETS AT WORLD HERITAGE SITE MAKLI, THATTA

Collaboration:  
Endowment Fund Trust for Preservation of Sindh Heritage  
Department of Culture, Government of Sindh

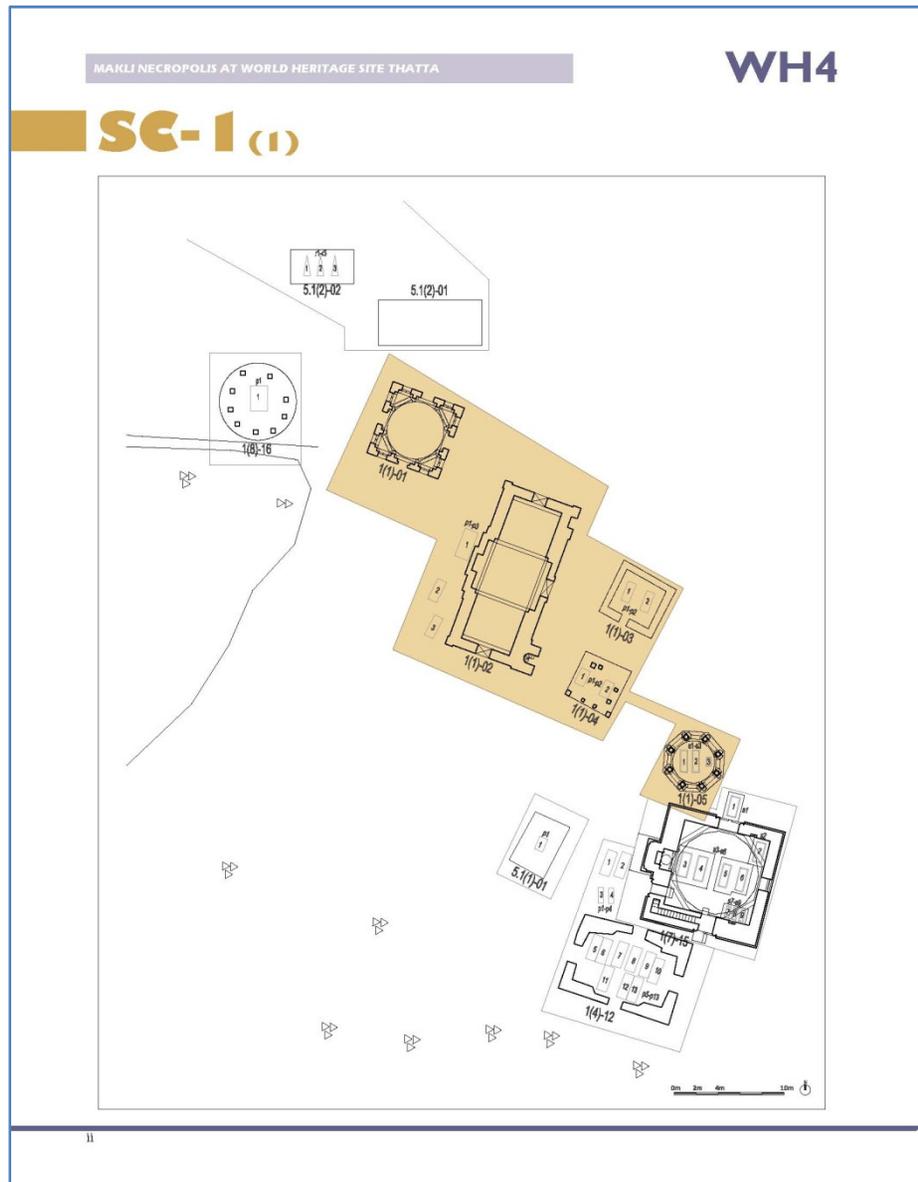
Prepared by:  
HERITAGE FOUNDATION OF PAKISTAN



1	1(2)	1(2)-07		Darya Khan Rahu	AH 831-57/1428-1453 AD
1	1(2)	1(2)-08		Samma Noble 1	AH 858-866/1454-61 AD
1	1(2)	1(2)-09		Samma Noble 2	AH 858-866/1454-61 AD
1	1(3)	1(3)-10		Malik Rajbal	AH 861/1457 AD
1	1(3)	1(3)-11		Sister Fateh Khan	AH 866-914/1461-1508 AD
1	1(4)	1(4)-12		South Jam Nizam Al Din	AH 866-914/1461-1508 AD

# HF WORK AT MAKLI

## COMPILATION OF NATIONAL REGISTER 2012+



WH4

MAQBARA NURI AND JAM TAMACHI  
TOMB, SUPER STRUCTURE ON STONE PILLARS NORTH OF JAM NIZAM AL DIN

1 (1)-05

<ul style="list-style-type: none"> <li><b>NAME AND REFERENCE</b></li> </ul>
<ul style="list-style-type: none"> <li>Primary Reference Number [WH4-1(1)-05]</li> <li>GPS: N 24° 46'35.1", E 67° 54'12.0"</li> <li>Elevation 30m</li> <li>Name [Maqbara of Nuri and Jam Tamachi]</li> <li>Description [Funerary Pavilion]</li> </ul>
<ul style="list-style-type: none"> <li><b>MONUMENT CHARACTER</b></li> </ul>
<ul style="list-style-type: none"> <li>Monument Type [Historic Monument]</li> <li>Minimum Date [AH 791/1389 AD]</li> <li>Maximum Date [AH 795/1392 AD]</li> </ul>
<ul style="list-style-type: none"> <li><b>RESOURCES</b></li> </ul>
<ul style="list-style-type: none"> <li>Archive/Source Title [Heritage Foundation Archives]</li> <li>Organization [Heritage Foundation]</li> <li>Archive Source Location [HFP WH4]</li> </ul>
<ul style="list-style-type: none"> <li><b>EVENT</b></li> </ul>
<ul style="list-style-type: none"> <li>Name [Steel girders on northeast]</li> <li>Event Type [Support added to prevent leaning]</li> <li>Minimum Date [c. 1970s]</li> </ul>

**DESCRIPTION**

This monument is the earliest polygon pavilion found at Makli Hill, that is built entirely of dressed stone. This *chattri* (umbrella) makes its appearance for the first time as a funerary chamber for the celebrated Samma ruler, Jam Tamachi, his queen Nuri and their child. It consists of a 4.87m (16') diameter corbelled dome rising to a height of approximately 4.87m (16') measured internally, and is carried on eight free standing decorative columns capped by bracket capitals.

Suhail Z. Lari Collection, c. 1980

5



# HF WORK AT MAKLI WITH NETHERLANDS EMBASSY HERITAGE ROUNDTABLE CONFERENCE 2013



## First Heritage Roundtable Conference



at  
WHS, The Necropolis of Makli, Thatta  
Sunday, 3<sup>rd</sup> March, 2013

Organized By  
Culture Department, Government of Sindh  
in Collaboration with Heritage Foundation



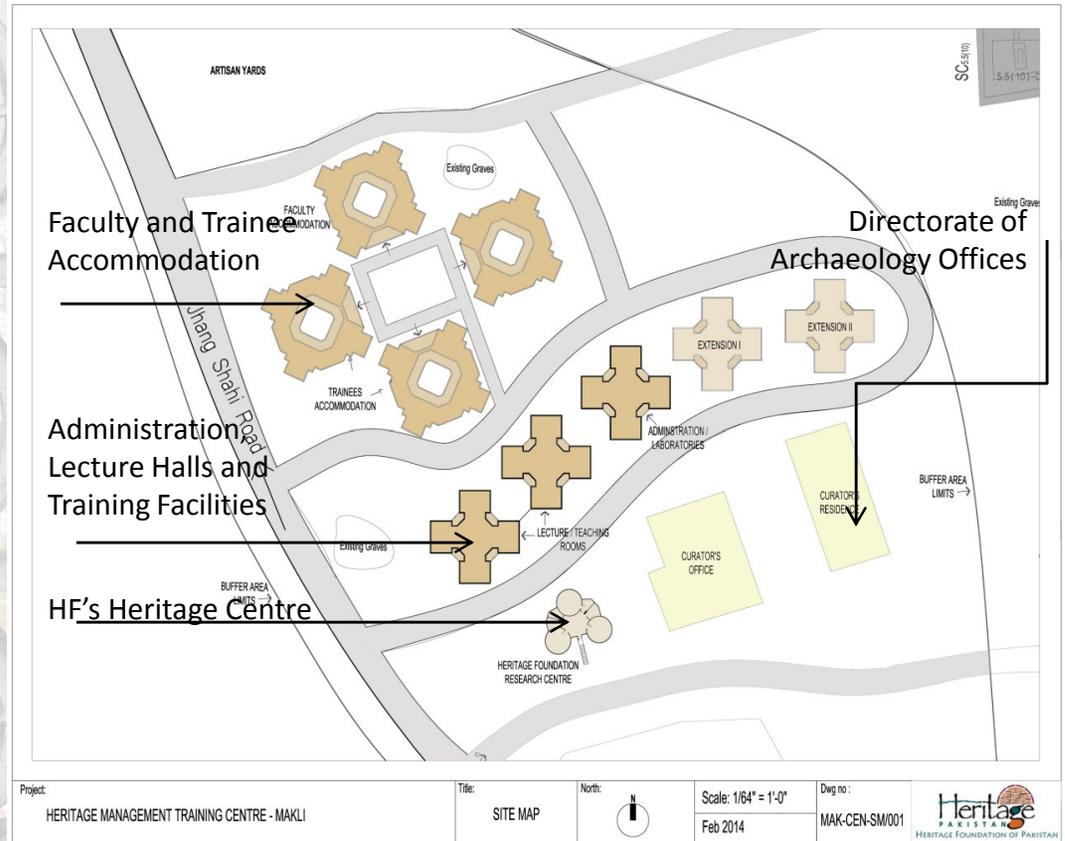
# HF WORK AT MAKLI WITH NETHERLANDS EMBASSY CURRICULUM FOR HERITAGE MANAGEMENT & TRAINING 2013



**Heritage Management  
and  
Conservation Training**





## REGIONAL CENTRE FOR TRAINING *LARI EMERGENCY PREVENTIVE INTERVENTION LAB (L-EPIL)*

# HF WORK AT MAKLI HERITAGE FOUNDATION CENTRE & CRAFT STUDIOS 2011-2014



# HF PROPOSAL TO UNESCO FOR FIRST AID 2011

## WHS MAKLI MONUMENTS AT THATTA BUDGET FOR FIRST AID FOR SAMMA CLUSTER

No.	Name	Material	Tasks	Approx Cost	Total Rs.	Total Rs.
WHS4-1.01	Khanqah of Hammad Jamali	Stone	Collect collapsed parts, provide RSJ support to lintols, clear ground from surrounding area and arrange drainage	200,000		
WHS4-1.02	Jamia Masjid	Brick	Provide support to arches, apply mud leepai to exposed brickwork, clear surrounding ground and arrangedrainage	400,000		
WHS4-1.03	Tomb of Shaikh Hammad Jamali	Brick	Clear surrounding area, arrange for drainage, apply mud leepai to exposed brickwork.	150,000		
WHS4-1.04	Maqbara East of Jamia Masjid	Stone	Collect collapsed part, provide RSJ support to brackets and lintols, arrange for drainage.	150,000		
WHS4-1.05	Pavilion Tomb of Nuri & Jam Tamachi	Stone	Fill joints with lime mortar and stabilize any loose stones. Actual conservation to be undertaken after the slope on east has been stabilized.	200,000		
WHS4-1.06	Pavilion Maqbara with Farsi script	Stone	Clear area around and inside pavilion. Arrange for drainage. Fill joints with lime mortar and layer to protect dome stones.	250,000		
WHS4-1.07	Pavilion Maqbara Darya Khan Rahu	Stone	Clear area from around and inside, arrange for drainage. Fill joints with lime mortar, stabilize stone pieces where they are. Add lime mortar cover layer where necessary.	300,000		
WHS4-1.08	Maqbara Samma Noble 1	Brick	Applied to Prince Claus Fund for conservation works.	0		
	2		application of mud leepai to exposed brickwork. Clear area around and inside, arrange for drainage. Provide supports where necessary. Application of mud leepai to exposed brickwork. Fill vulnerable joints with lime/mud mortar. Provide support to extant cupola.	350,000		
WHS4-1.10	Maqbara Malik Rajbal	Brick	Clear area around and inside, arrange drainage. Provide supports where necessary. Wide-spread application of mud leepai to exposed brickwork. Fill vulnerable joints with lime/mud mortar. Provide support to extant cupola.	350,000		
WHS4-1.11	Maqbara Sister Fateh Khan	Brick	Clear area around and inside, arrange drainage. Provide supports where necessary. Wide-spread application of mud leepai to exposed brickwork. Fill vulnerable joints with lime/mud mortar. Provide support to extant cupola.	400,000		
WHS4-1.12	Enclosure South of Jam Nizam al-Din	Brick	Provide general clearance and drainage. Apply leepai on top parts of exposed brickwork.	250,000		
WHS4-1.13	Pavilion Maqbara Qazi Abd Allah	Stone	Clear area around and inside, arrange for drainage. Provide RSJ support where necessary. Fill open joints with mortar. Add mud leepai to provide protection. Stabilize loose stones where necessary.	200,000		
WHS4-1.16	Collpased maqbara of Makhdum Bilawal	Stone	Collect collapsed pieces, clear other matter and arrange for drainage.	150,000		
WHS4-1.17	Kaus Sultani	Brick	Clear area around and inside, arrange for drainage. Provide RSJ support where necessary. Fill in open joints with mortar. Add mud leepai to provide protection.	400,000		
WHS4-1.18	Tomb of Shaikh Jia	Brick	Clear area around and inside, arrange for drainage. Provide RSJ support where necessary. Fill in open joints with mortar. Add mud leepai to provide protection.	450,000		
	<b>measures</b>				<b>4,200,000</b>	
	Preliminary condition survey				1,000,000	
	Structural Consultancy				700,000	
	Miscellaneous and contingencies				500,000	
	<b>TOTAL ESTIMATED COST FOR FIRST AID TO SAMMA PERIOD MONUMENTS</b>				<b>6,400,000</b>	

# REQUIREMENTS OF WORLD HERITAGE CENTRE TO SAVE MAKLI FROM BEING ON WORLD HERITAGE ENDANGERED LIST

<b>CRITICAL REQUIREMENTS</b>	<b>UNESCO AGENCY</b>	<b>TASKS</b>	<b>IMPLEMENTATION</b>
Buffer Zone Demarcation	UNESCO/ICOMOS 2006 UNESCO WHC Session 33 UNESCO Emer. Mission 2010	Map of Core & Buffer Zone; Site demarcation	Map by HF; Demarcation by Revenue Deptt needed
Mapping and Detailed Registration	UNESCO/ICOMOS 2006	Mapping and registration	Completed by HF
Soil investigation, foundations, stabilization and stability of Tomb of Jam Nizam al-Din	UNESCO/ICOMOS 2006 UNESCO WHC Session 33 UNESCO Emer. Mission 2010	Soil invest. & condition survey; Stabilization	HF completed surveys; stabilization needed
Condition Reports for Tombs & Monuments Detailed documentation	UNESCO WHC Session 33 UNESCO Emer. Mission 2010	Photo Documentation & Evaluation	Dedicated team needed.
Prioritize emergency intervention; Emergency shoring & maintenance; prioritization of those at risk of collapse	UNESCO WHC Session 33 UNESCO Emer. Mission 2010	Emergency Intervention	Dedicated team needed. HF has initiated L-EPI
Monitoring Program; Closing off critical areas	UNESCO WHC Session 33 UNESCO Emer. Mission 2010	Monitoring/ Guarding Required	Culture Dept. GoS to take up
Master Plan, Management Plan	UNESCO WHC Session 33	Establishment of Board Reqd.	Culture Dept. GoS to take up