

PROJECT COMPLETION REPORT

SUHAGAN & DUHAGAN TOMBS

OCTOBER 2019



Center for Documentation and Conservation of the Heritage of Sindh
Endowment Fund Trust for Preservation of the Heritage of Sindh

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Tomb of Duhagan

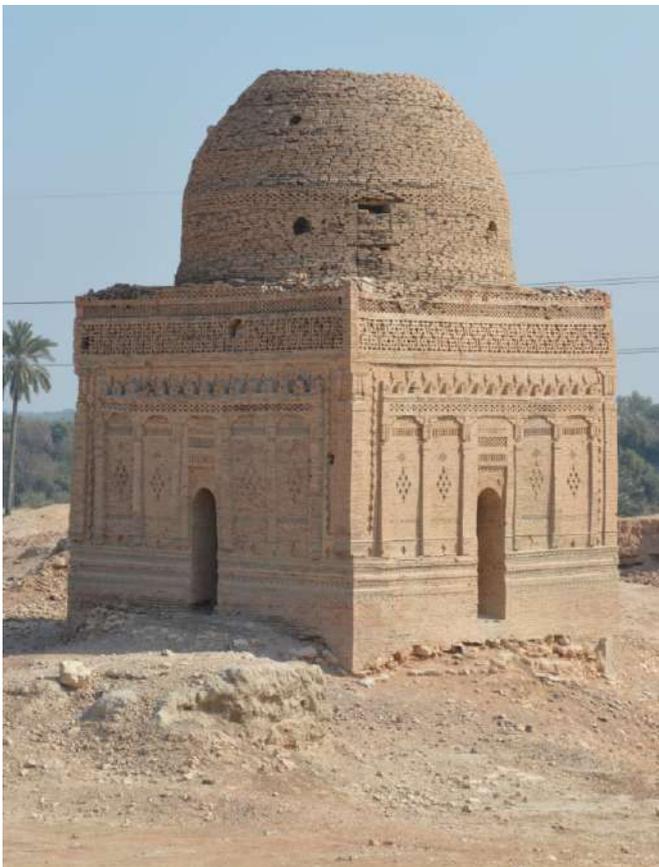
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INTRODUCTION

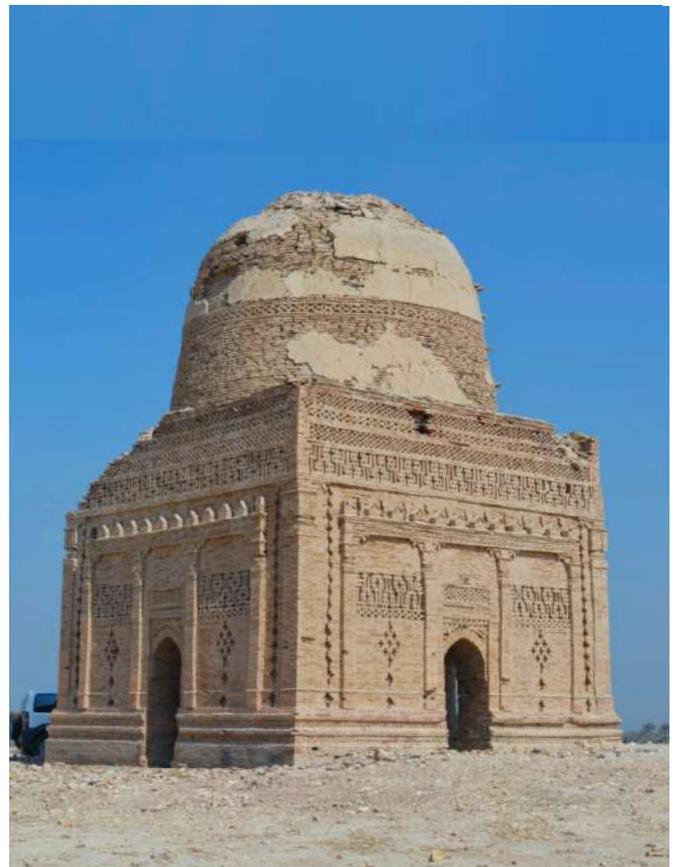
The tombs of Suhagan and Duhagan are located near Adhan village, Deh Arore, Taluka Rohri and District Sukkur. Nara canal is to the south of the monument. The tombs of Suhagan and Duhagan are a marvelous piece of architectural ingenuity built in naked brick architecture.

The naked brick/exposed brick style of construction presumably came to this region from Afghanistan and later found in Baluchistan and southern Punjab and are considered to be of Ghori period. The tombs in Mithri District Sibi (Balochistan) were built in similar style which dated back to 11-12th century A.D. (Shaikh Khurshid Hassan) and are also known to be Pre- Mughal funerary architecture. There are some other same cut brick style tombs located in Sukkur district. In Pano Aakil, district Sukkur, the tomb of Shaikh Lalu is built in similar style of cut and dressed brick work but it seems to be a little later in time around 967 AH/1560 A.D., the tomb of Sher Shah is located to the west of Arore ruins. The tomb of Pir Baid Ahmed Sultan is also similar and is located near the village Chechro, Taluka Pano Aqil and another tomb of Pir Bachayo is located near Shah Shaker Shrine, Arore, Sukkur. All these are built in the same style of naked brick work.

According to a popular belief as pointed out by Dr. Ahmed Nabi Khan (1987-88), both these tombs belonged to Shakar Ganj and Khatal-al-Din Shah and were constructed in late 12th and early 13th century A.D. Badar Abro is of the opinion that these tombs were constructed in Ghori period and are not of Suhagan and Duhagan but are of Shakar Ganj and Khatal-al-Din Shah (Daily Kawish Newspaper 9 March 2017). According to local version, the tomb of Suhagan is of Shakar Ganj whereas tomb of Duhagan is of Khatal-al-Din Shah. Recently after the restoration of the tomb of Suhagan by EFT these versions become doubtful as six graves have been uncovered in the tomb of Suhagan hence needs further research.



Tomb of Suhagan



Tomb of Duhagan

LOCATION

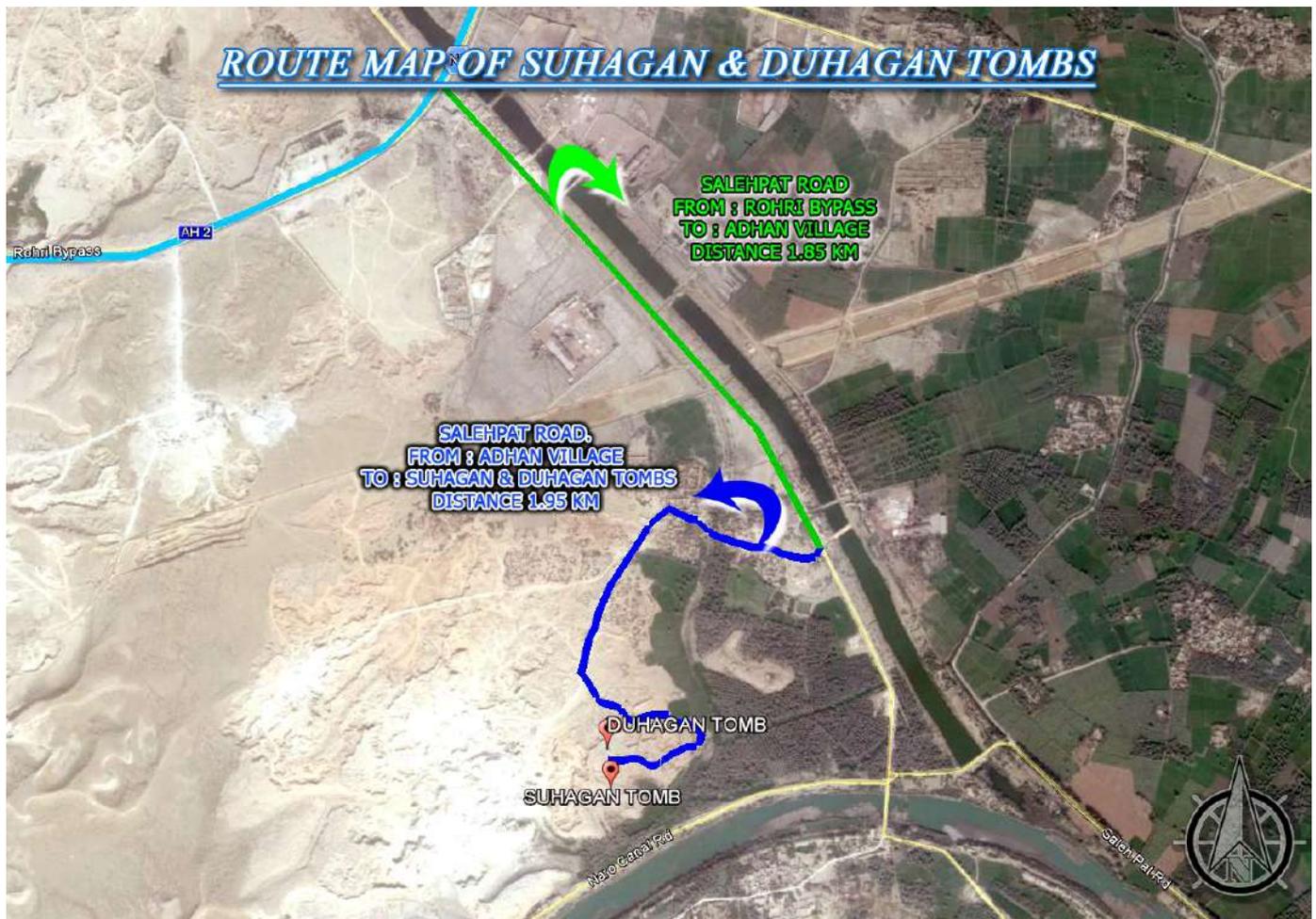
DISTRICT
Sukkur

TALUKA
Rohri

DEH
Arore

COORDINATES
27°39'2.98" N 68°56'4.96" E

ACCESSIBILITY
The Tombs of Suhagan and the Duhagan are located south of Adhan Village and approximately 4 kms south of Rohri bypass.



TOMB OF SUHAGAN

Architectural Details of Tomb

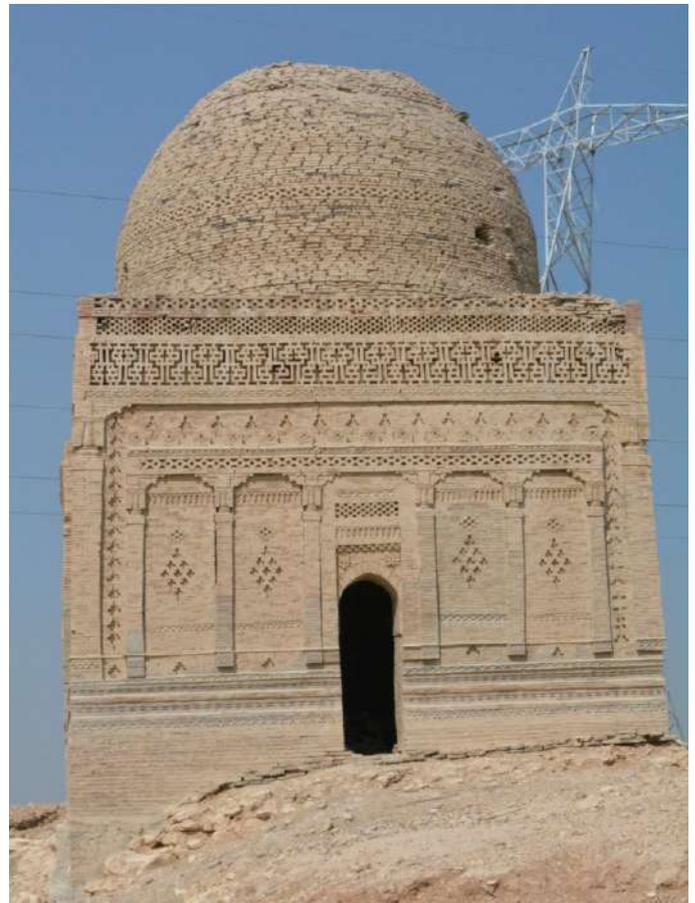
The tomb of Suhagan as the name carries belongs to Suhagan meaning a lady whose husband is alive. It is square in shape, its dimensions are 26'-8" x 26'-8" on the exterior and 21'-6" x 21'-6" interior, its height is 36 ft. The total covered area is 711.110 sq.ft (66.062 sq.m) and wall thickness is 2'-7". The tomb is constructed with burnt bricks (10" x 7" x 1.5") mud and chiroli are used as mortar. The exterior of the structure is decorated with naked/dressed (exposed) brick architecture in the shape of geometrical and floral patterns. There are four round arch shaped openings (one on each side), its measurements are 2'-6" x 8'-3". There are six composite cut bricks pilasters (three on each side of the openings/entrance) and there are four composite pilasters on all four corners. The composite pilasters on all four sides of the elevation give the shape of segmental arches, within these segmental arches there are various cut/dressed brick decorations. Above the segmental arches there is border in chain design surrounding the structure with merlon shaped decoration in cut/dressed brick ornamentation above it. Top of the structure is ornamented with geometrical and honey-combed pattern borders. All four sides of the tomb is similar in design and decoration. The high dome (imperial period style) with chain like cut bricks border around the middle of the dome. In the interior, each corner has squinch arch supporting the dome. Above these squinch arches there is circular border with denticulated bricks decoration.



TOMB OF SUHAGAN

Condition Report

- The Endowment Fund Trust has carried out restoration work at the tomb of Suhagan and the following are the details of the work done:
- Platform has been constructed with stone masonry, lime mixed with hill sand and straw are used as mortar.
- Stepped platform is constructed on all sides except the south-eastern side of the tomb.
- The dome is 40% reconstructed with chirol, lime mixed with hill stone bits and straw are used as plaster. Wooden bamboo sticks tied with wire were fixed below the lime plaster layer (work was on-going exterior side).
- After clearing the floor level, evidence of six graves was found inside the tomb.
- Pointing with chirol was done in the interior part of the tomb.
- Semi-circle five steps were constructed on the northern side of the platform to approach the tomb. These were constructed with stone blocks with lime used as mortar.
- The site pictures shows the condition before, on-going and after the restoration work of the tomb of Suhagan.



TOMB OF SUHAGAN

Condition Report



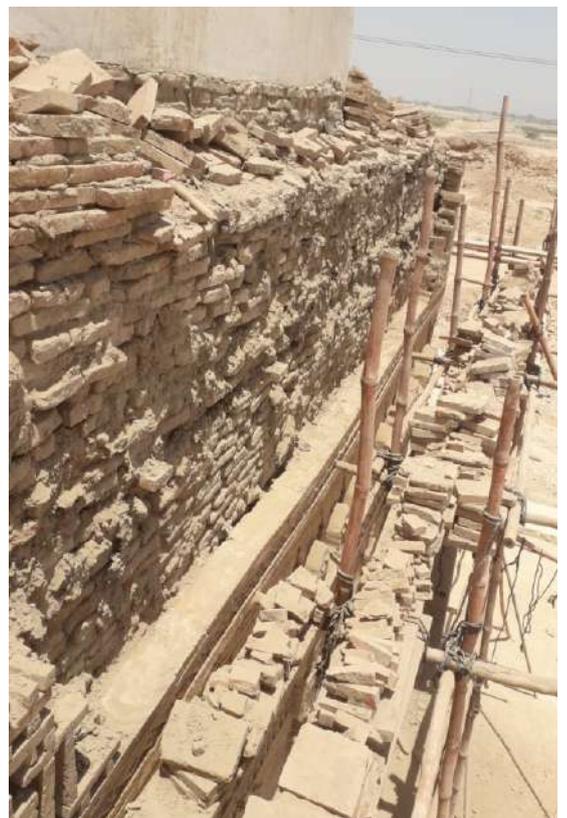
TOMB OF SUHAGAN

Condition Report



TOMB OF SUHAGAN

Progress Report | May 2019



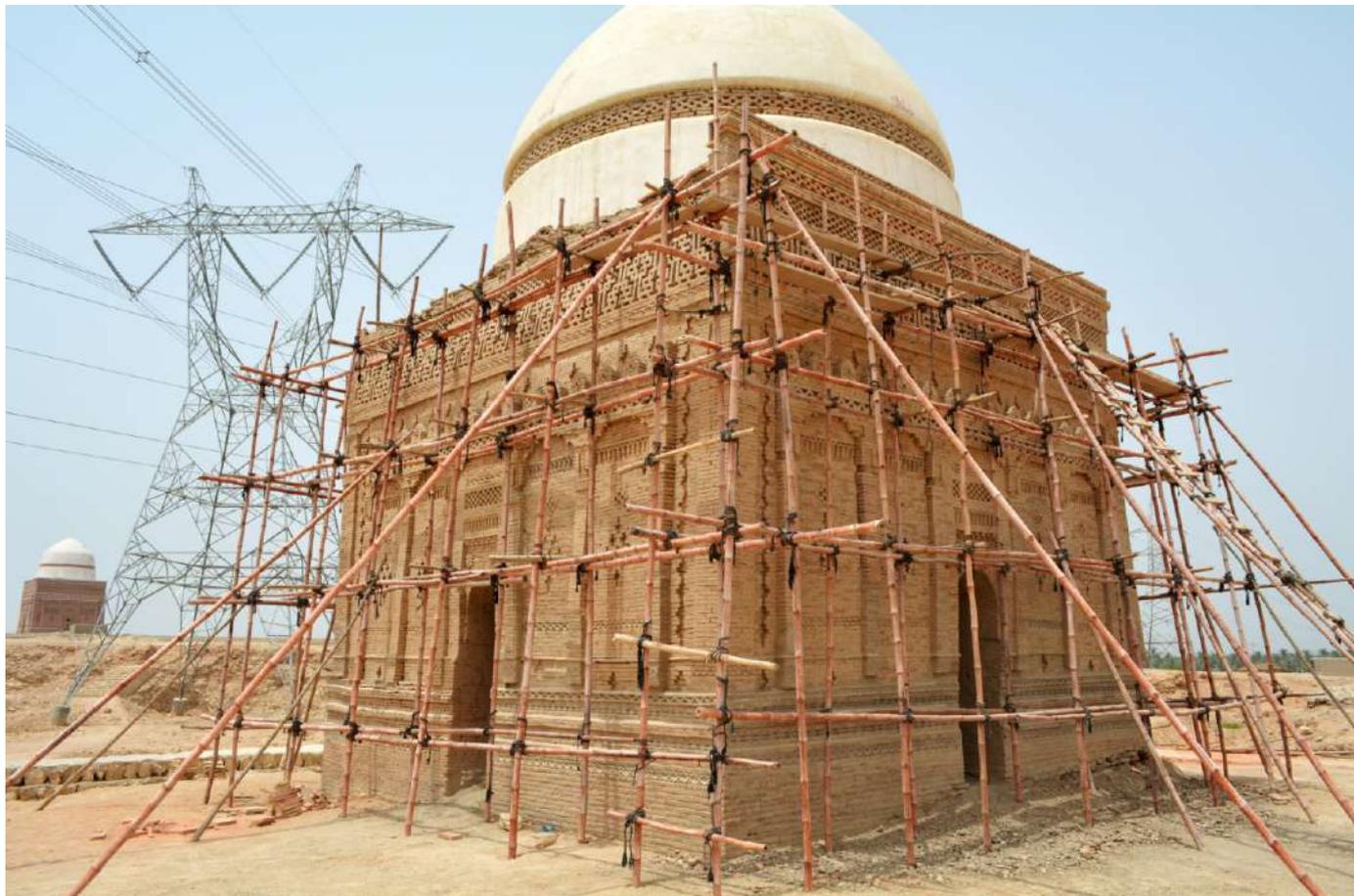
TOMB OF SUHAGAN

Progress Report | June 2019



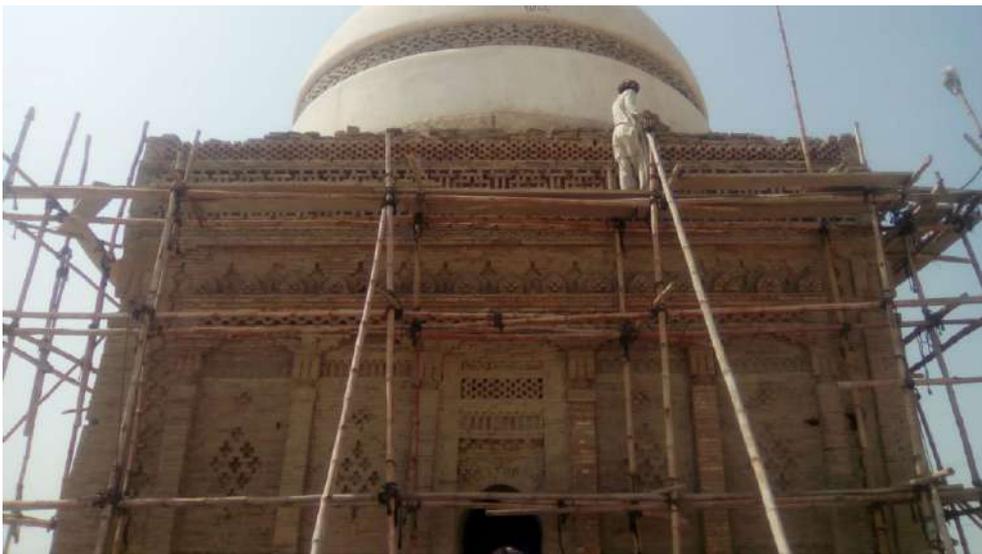
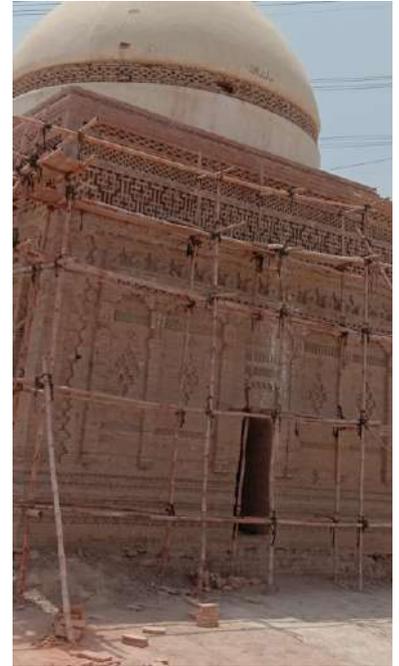
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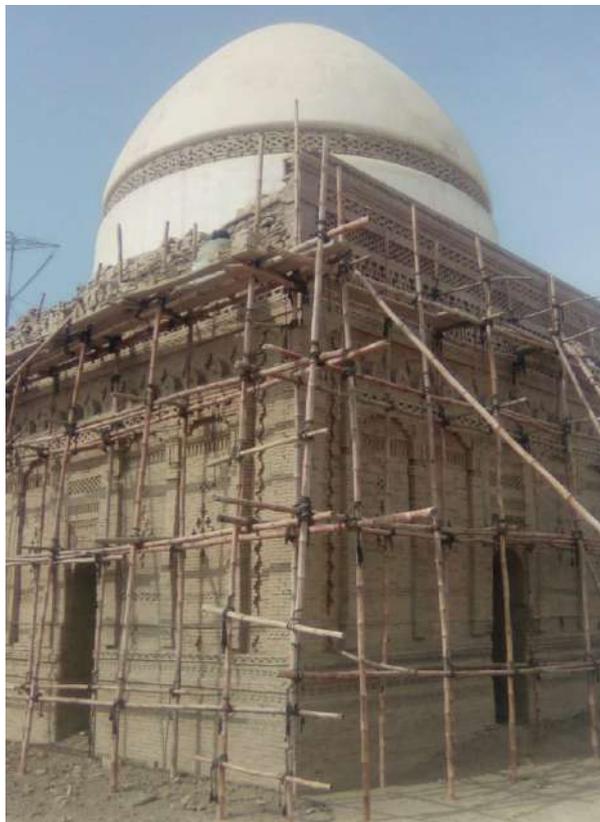
TOMB OF SUHAGAN

Progress Report | July 2019



TOMB OF SUHAGAN

Progress Report | July 2019



TOMB OF SUHAGAN

Progress Report | August 2019



TOMB OF SUHAGAN

Progress Report | September 2019



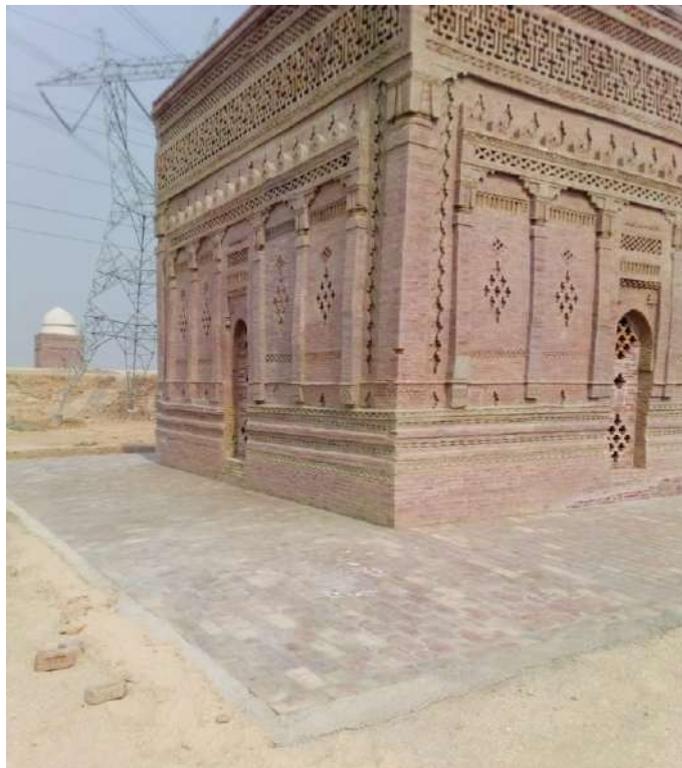
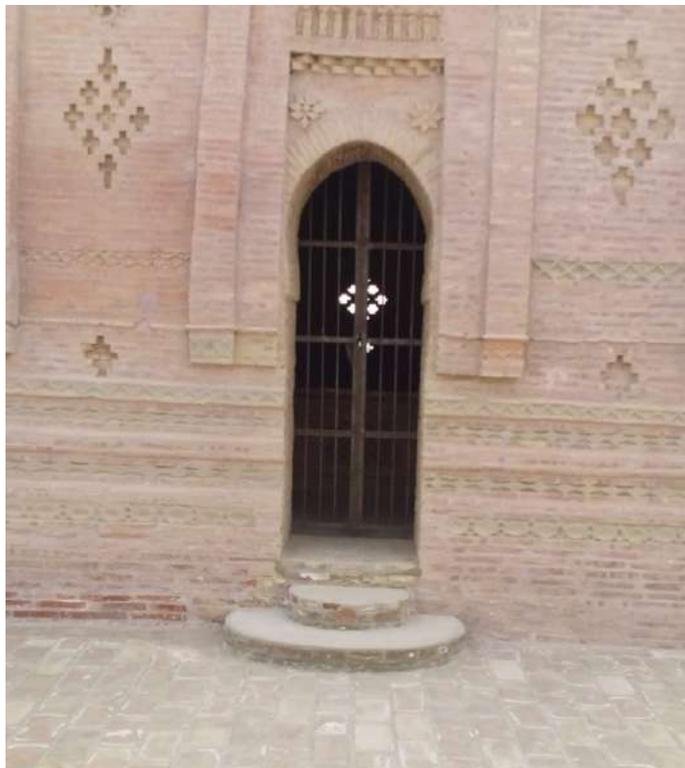
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Progress Report | October 2019



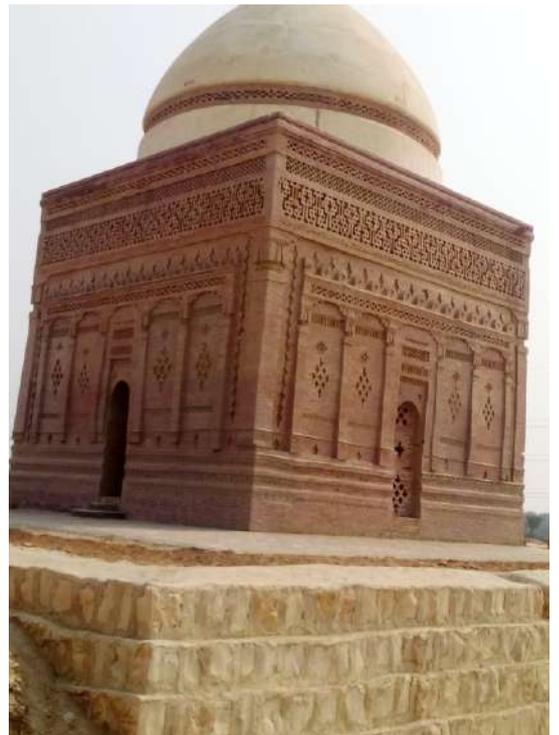
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Progress Report | November 2019



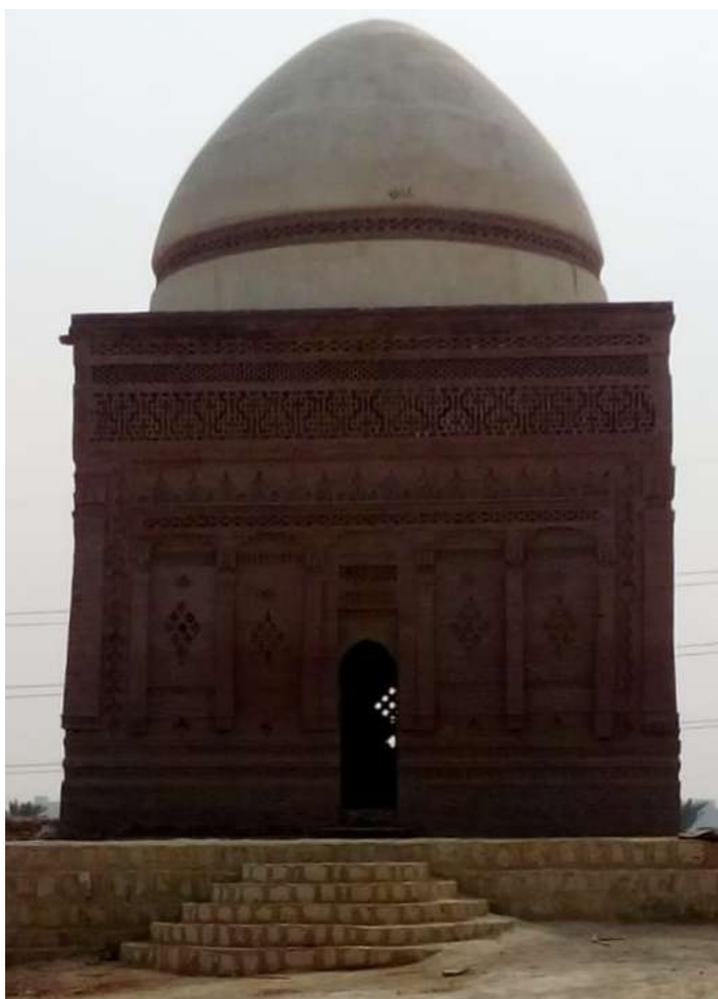
TOMB OF SUHAGAN

Construction of Boundary Wall and Stairs



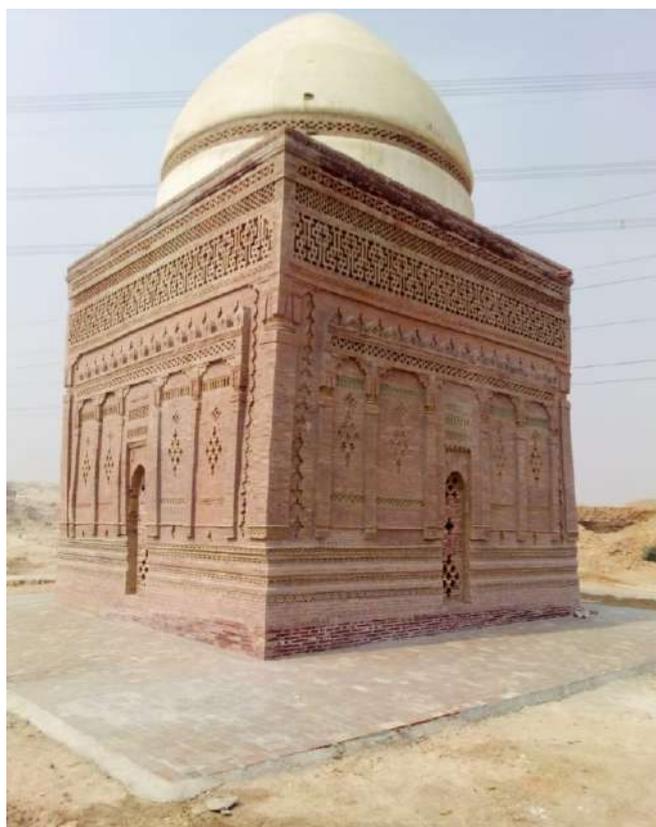
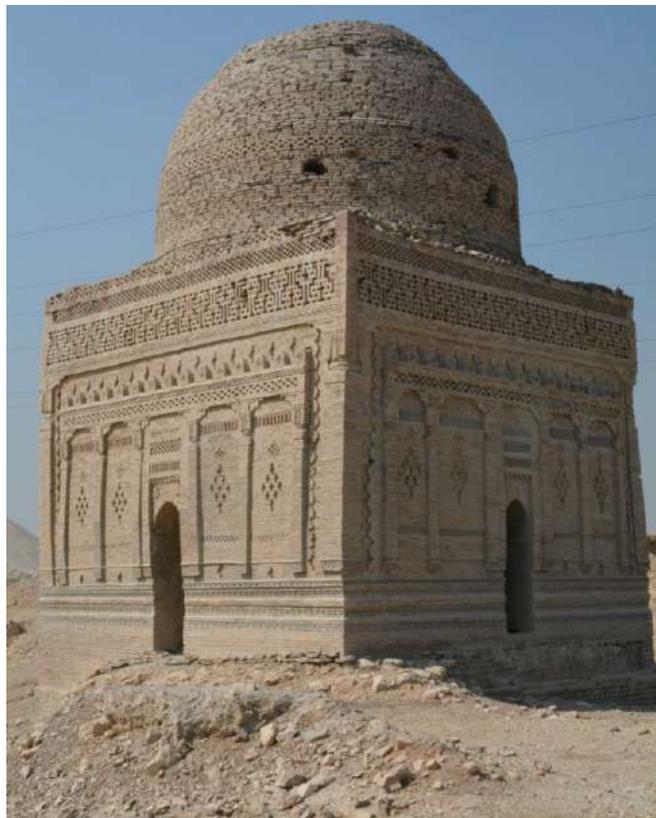
TOMB OF SUHAGAN

Before & After Photographs



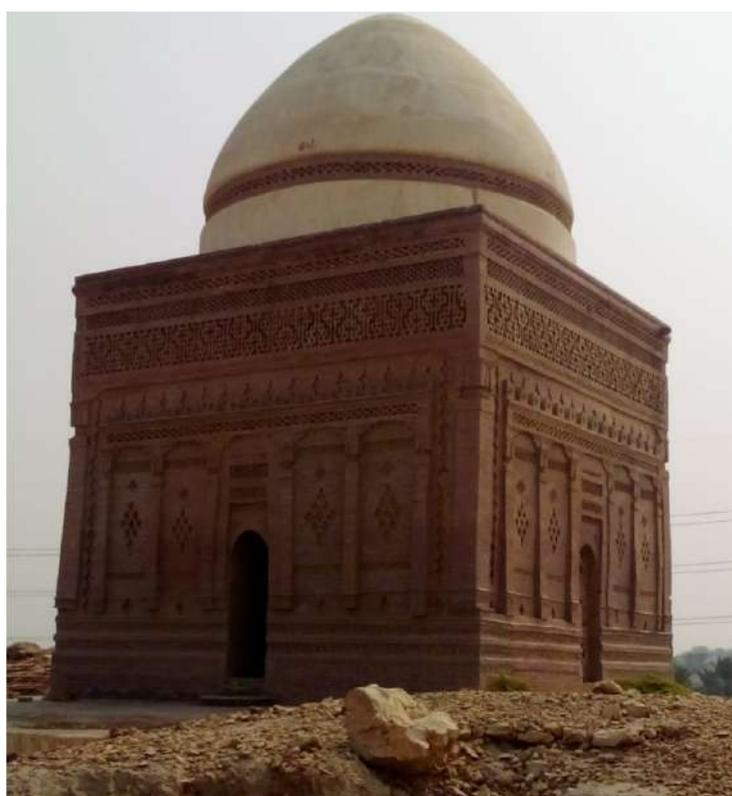
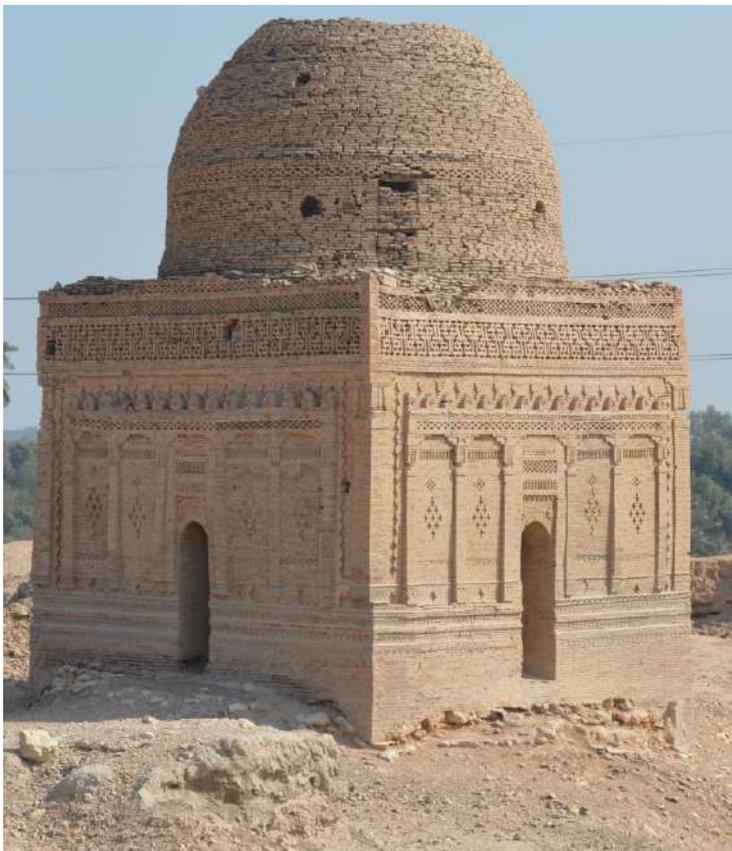
TOMB OF SUHAGAN

Before & After Photographs



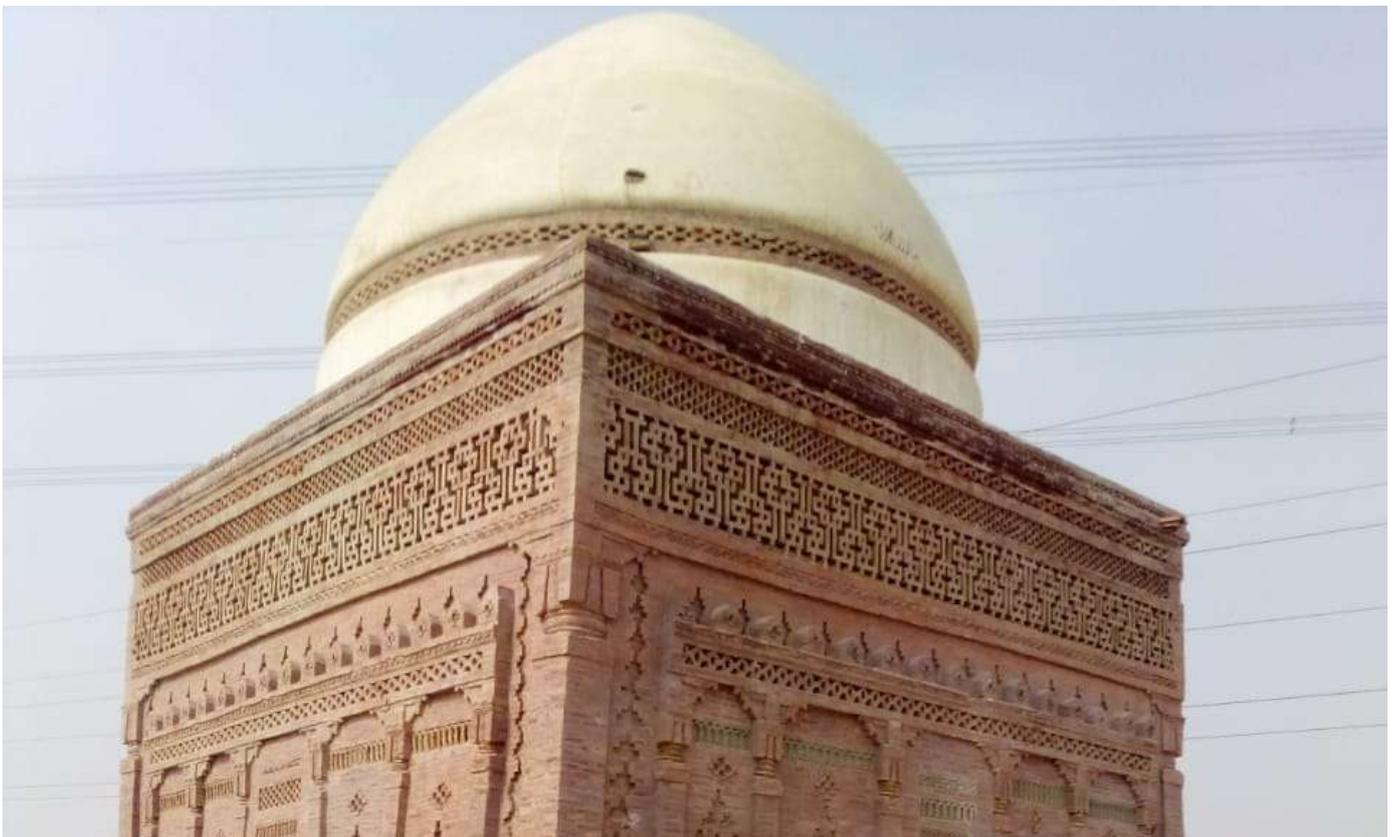
TOMB OF SUHAGAN

Before & After Photographs



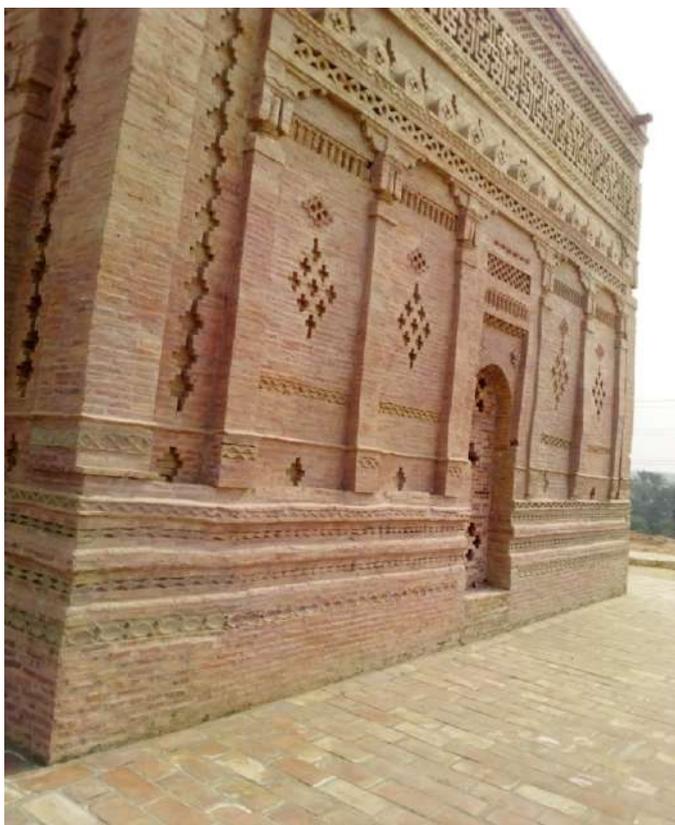
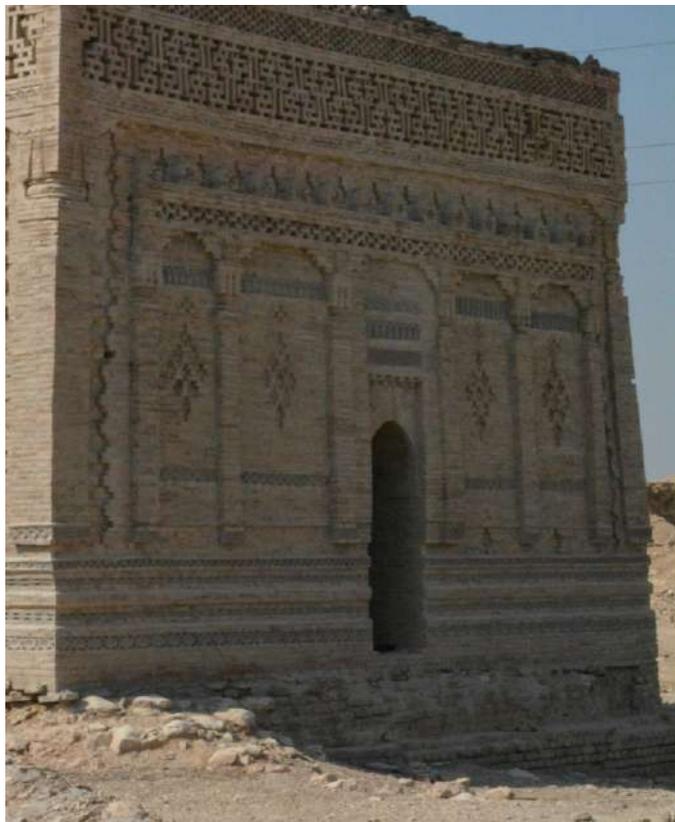
TOMB OF SUHAGAN

Before & After Photographs



TOMB OF SUHAGAN

Before & After Photographs



TOMB OF SUHAGAN

Before & After Photographs



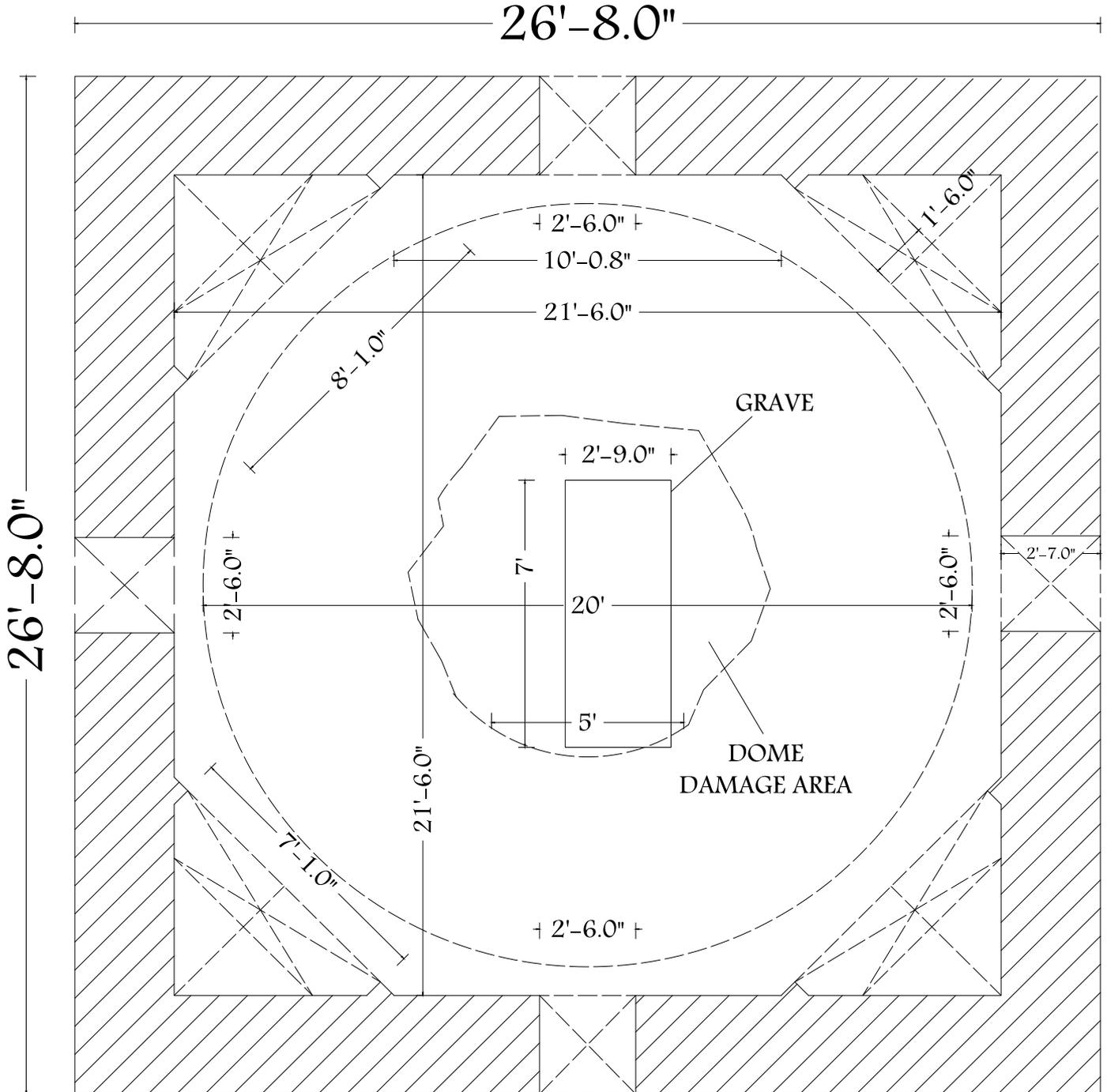
TOMB OF SUHAGAN

Before & After Photographs

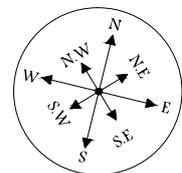


TOMB OF SUHAGAN

Architectural Drawing

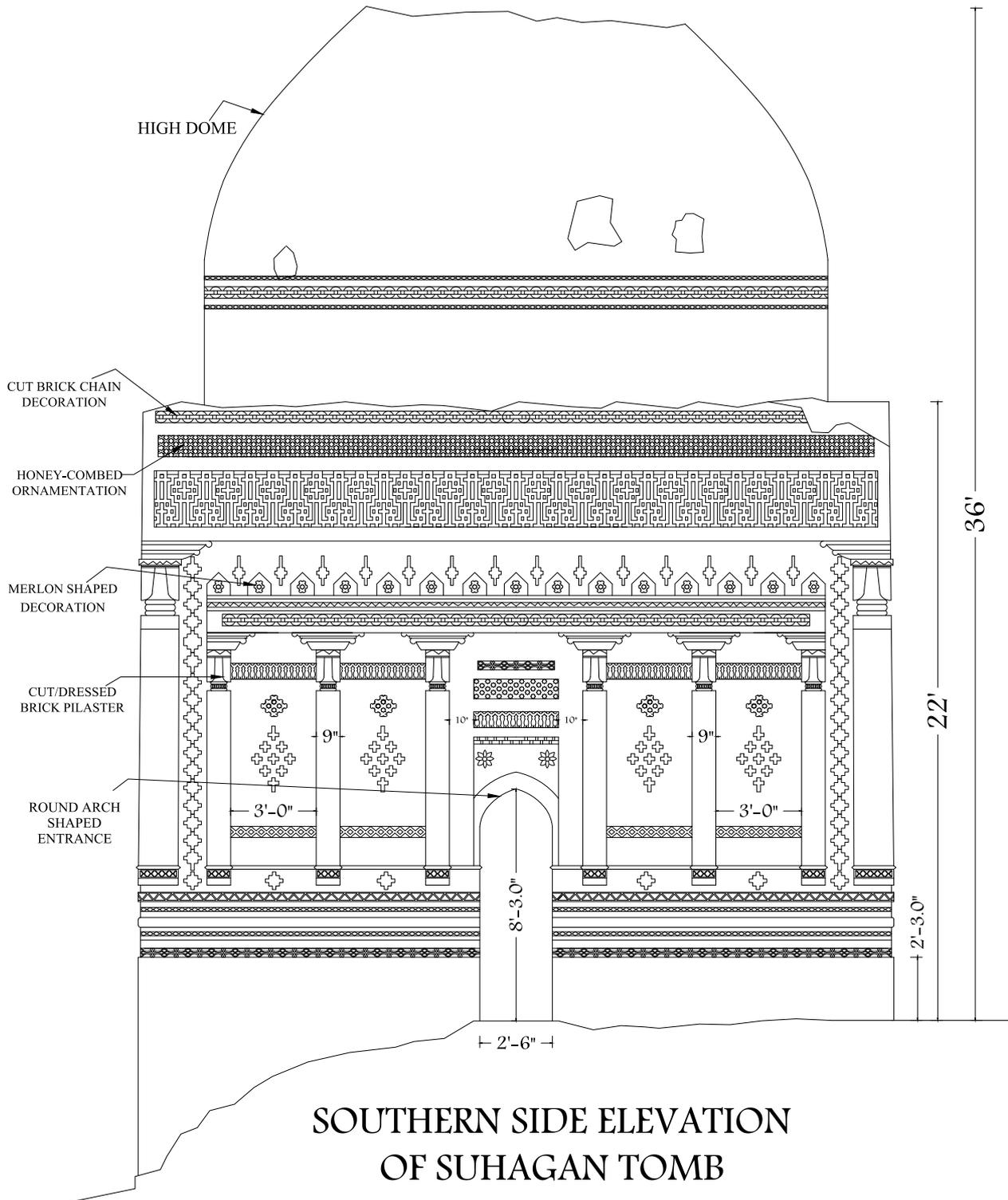


PLAN OF SUHAGAN TOMB



TOMB OF SUHAGAN

Architectural Drawing

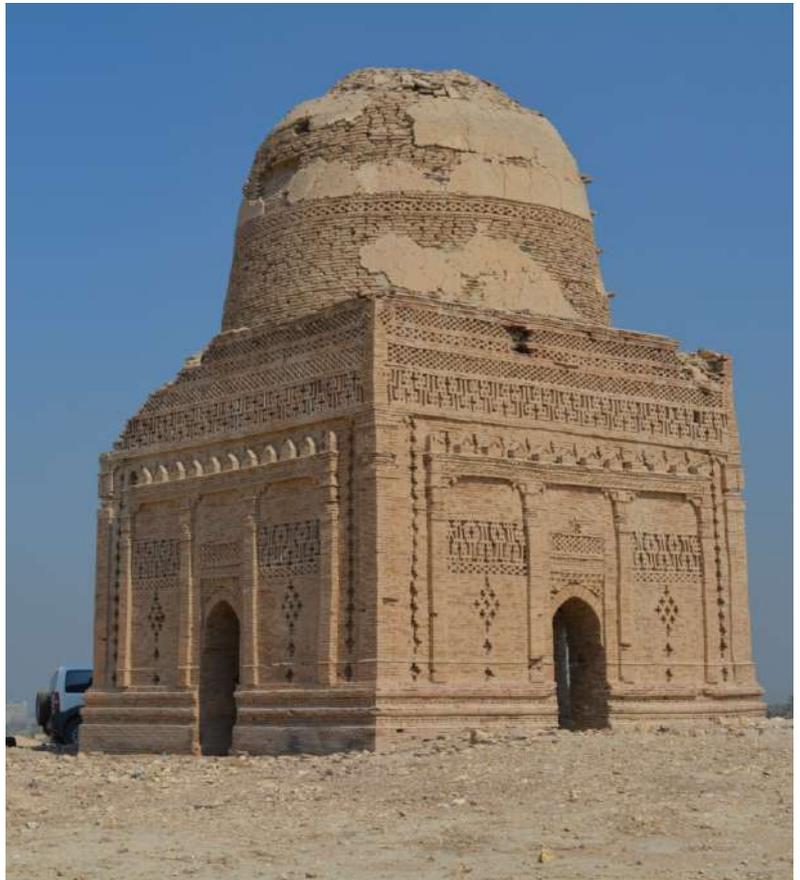


SOUTHERN SIDE ELEVATION
OF SUHAGAN TOMB

TOMB OF DUHAGAN

Architectural Details

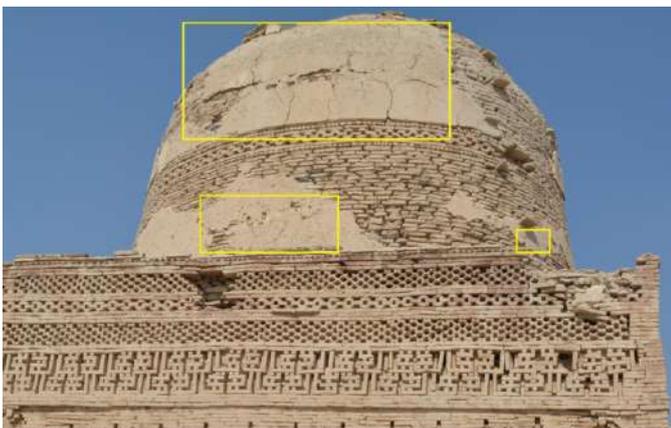
- Structure is constructed in square in shape measuring 24'-6" X 24'-6" and 36' in height which have 4 arched shaped entrances/openings measuring 2'-6" X 8'-3"
- Burnt Bricks measuring 10.5" X 7" X 1.5" & mud are used in masonry & binding material
- It is load bearing structure envisaged that the Foundations of the Tomb are at shallow depth of the order of 3-4 ft below natural sub grade.
- It is build on top of the hill which is ---- ft elevated from the natural ground level.
- It is consists of one grave which is in ruin condition.
- Floor is constructed with flat bricks , at this time floor is in rough level.
- Interior of the structure consists 4 niche at each corners of the interior sides which act as a focus for aesthetic decoration ,arrangement of the bricks for the construction of the niche are laid vertically.
- Structure consists of one dome , top of the dome is collapsed open to sky.
- Outer elevation is decorated with 4 pier 9'-3" in height which is formed by engaged cylindrical bricks existing at the right & left side the door & 2 pier are in corners of the structure.
- Width of the wall is 2'-7" constructed in 3 layers , last outer layer of the wall made with carved bricks.
- bricks for prepare the architectural design , outer layer of the carved bricks consists a architectural design i-e flowers , chain , crocodile skin design , rounded shaped bricks etc.
- The noticeable condition of tomb of suhagan, major diagonal or vertical cracks at present. Local spalling and detachments are present. The dome itself has outer main shell and inner as false shell. Outer dome shell has collapsed from the top distorting the round geometry and looks critical. The inner dome has very damaged condition with lots of spalling, pitting or detachments may be sort of crumbling or just the damage by birds keen to making holes or nests. This part is serious and need to be supported immediately by some sound arrangement before proper conservational strengthening
- Some portion of the masonry leave its original position it may be due to internal movements accruing & deformation is also found in some of the bricks.



TOMB OF DUHAGAN

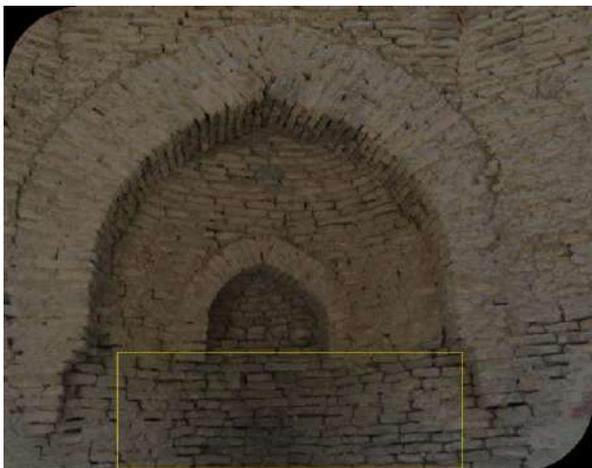
Condition Report

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TOMB OF DUHAGAN

Condition Report



TOMB OF DUHAGAN

Progress Report | October 2018



TOMB OF DUHAGAN

Progress Report | October 2018



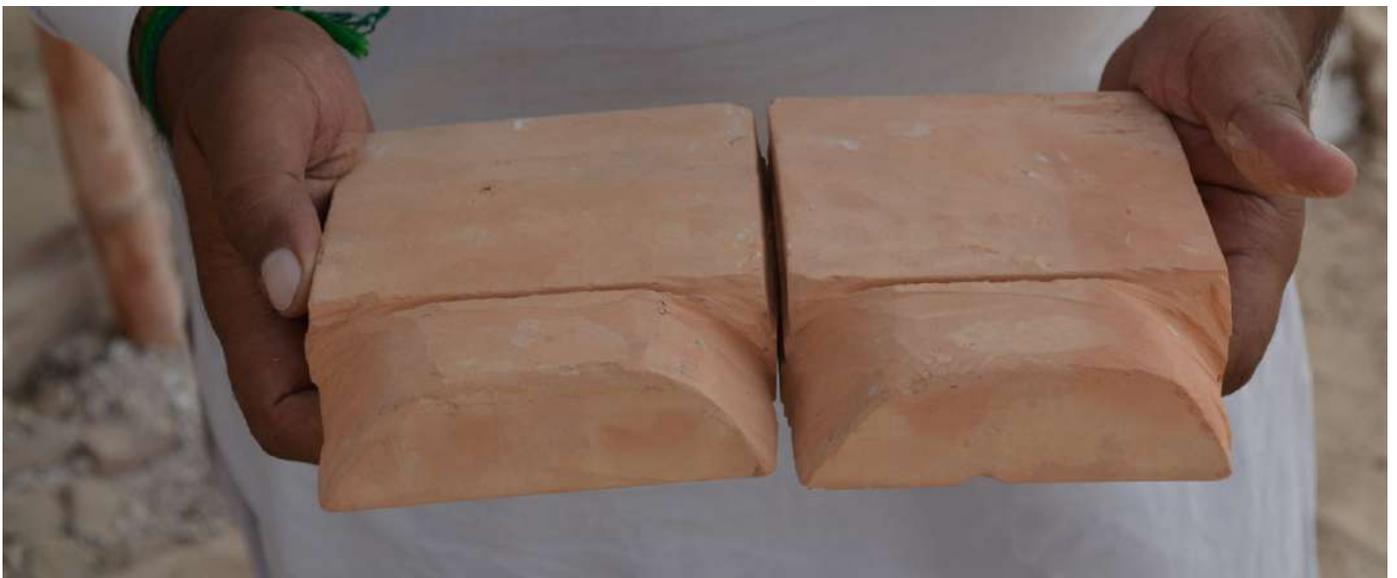
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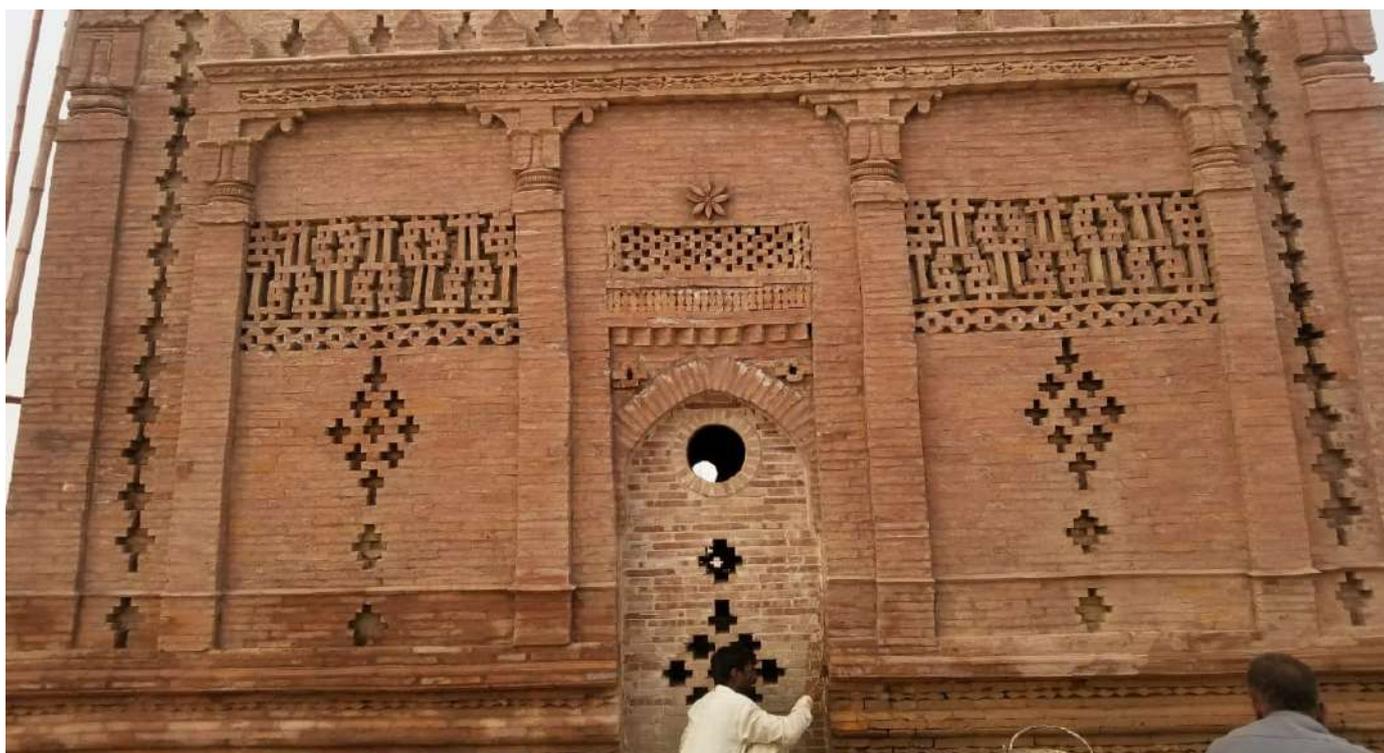
TOMB OF DUHAGAN

Progress Report | December 2018



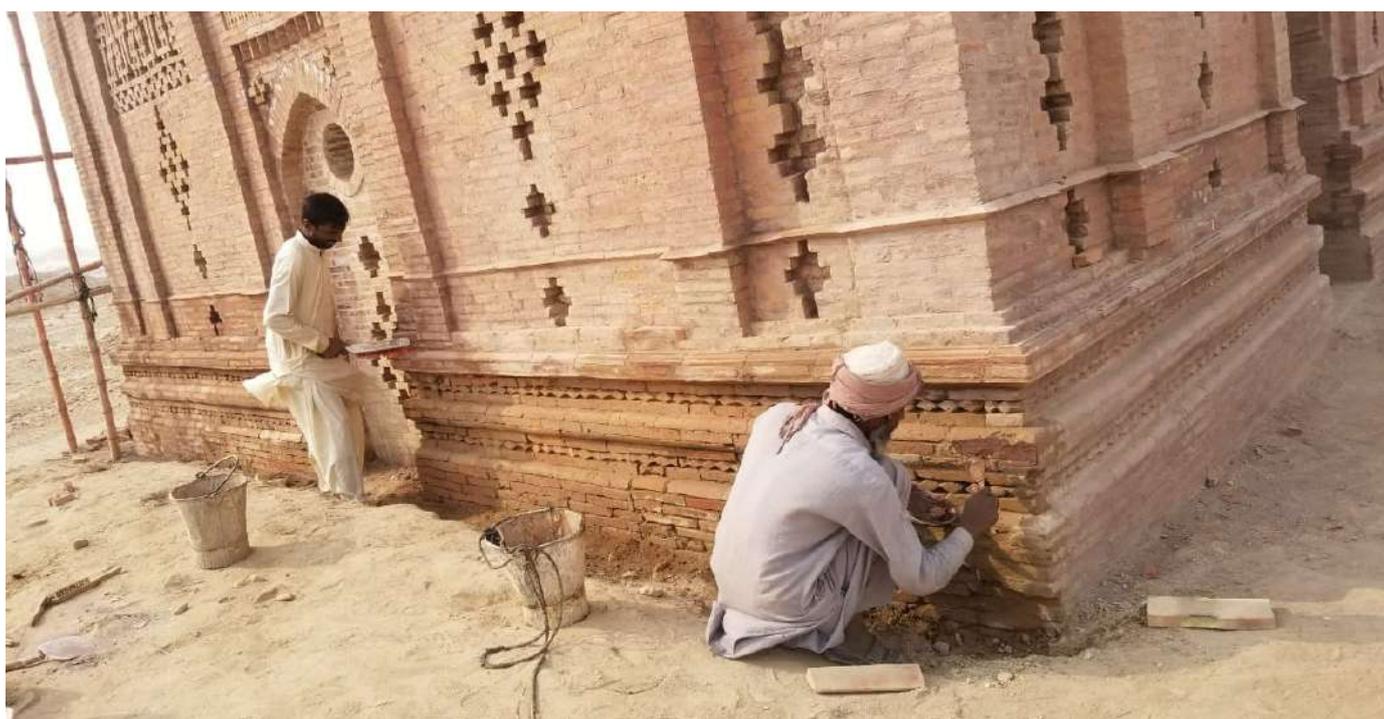
TOMB OF DUHAGAN

Progress Report | February 2019



TOMB OF DUHAGAN

Progress Report | February 2019



TOMB OF DUHAGAN

Progress Report | June 2019



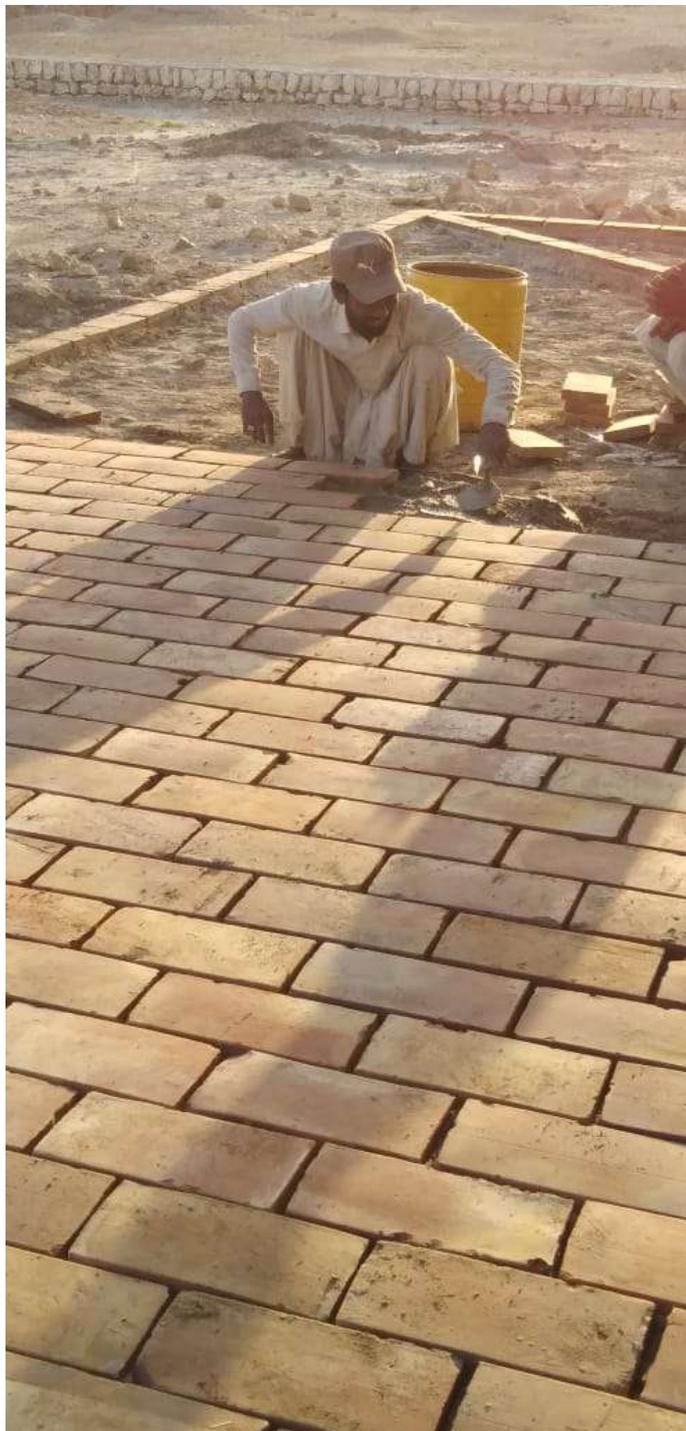
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Progress Report | October 2019



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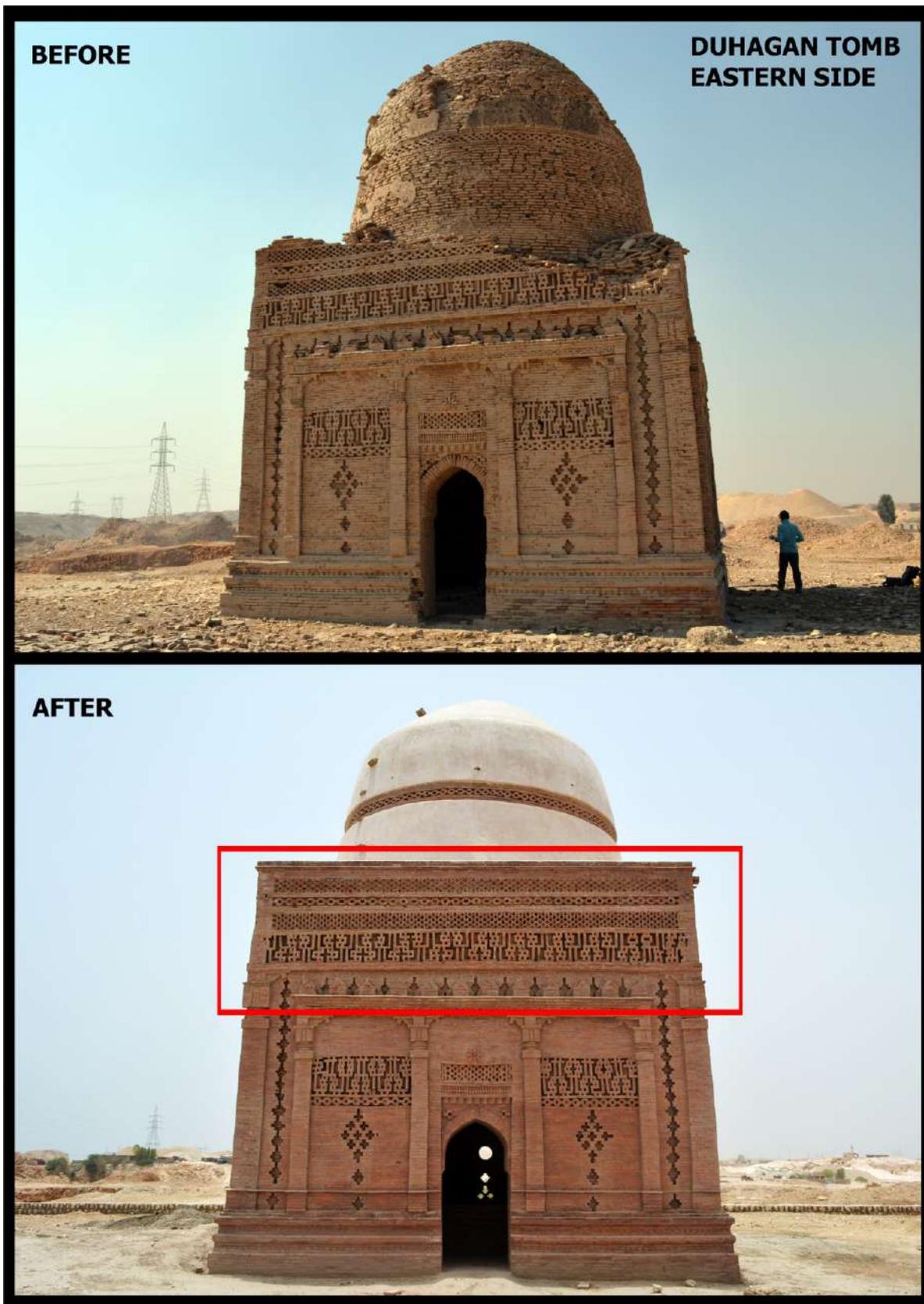
TOMB OF DUHAGAN

Construction of Boundary Wall



TOMB OF DUHAGAN

Before & After Photographs



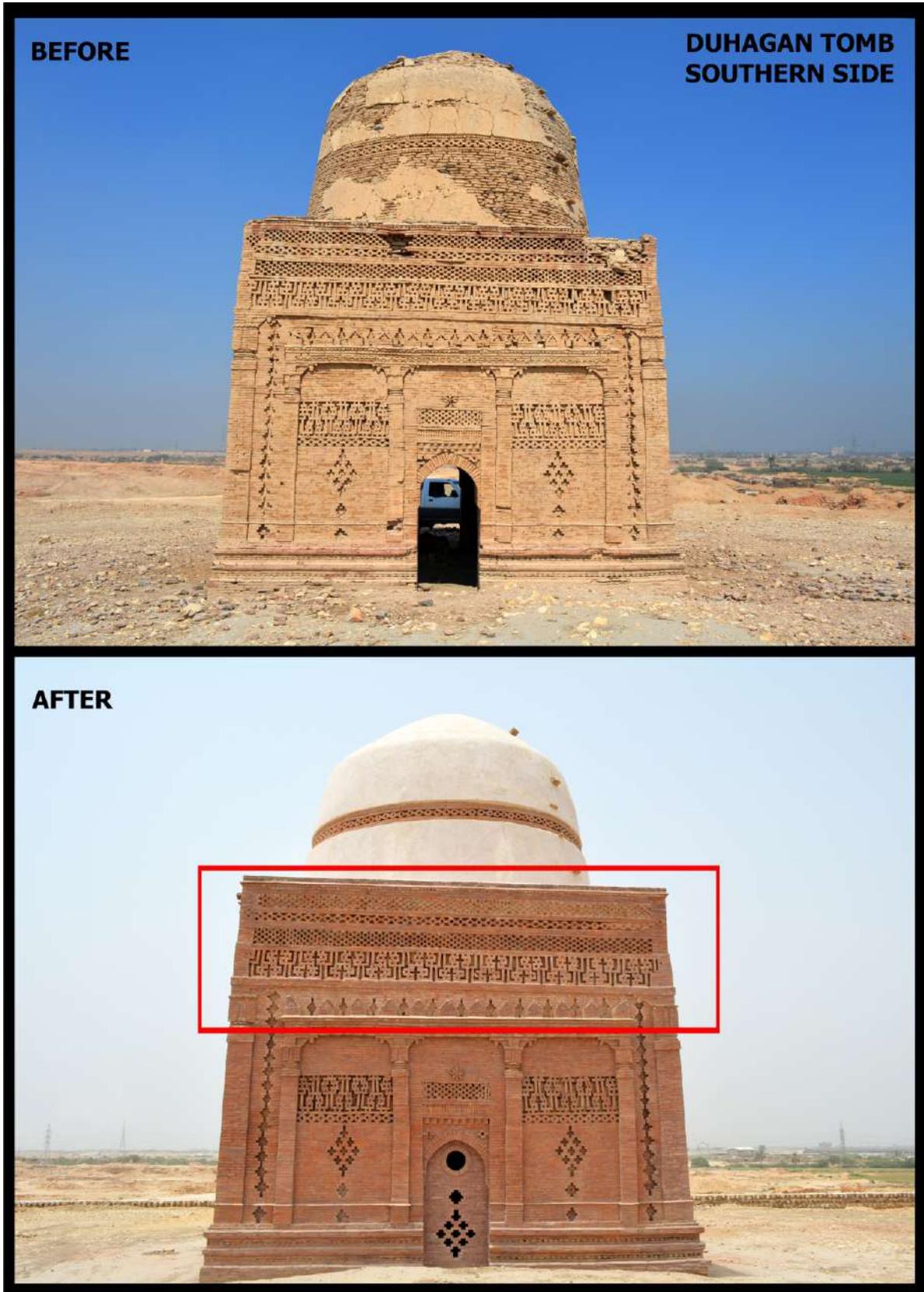
TOMB OF DUHAGAN

Before & After Photographs



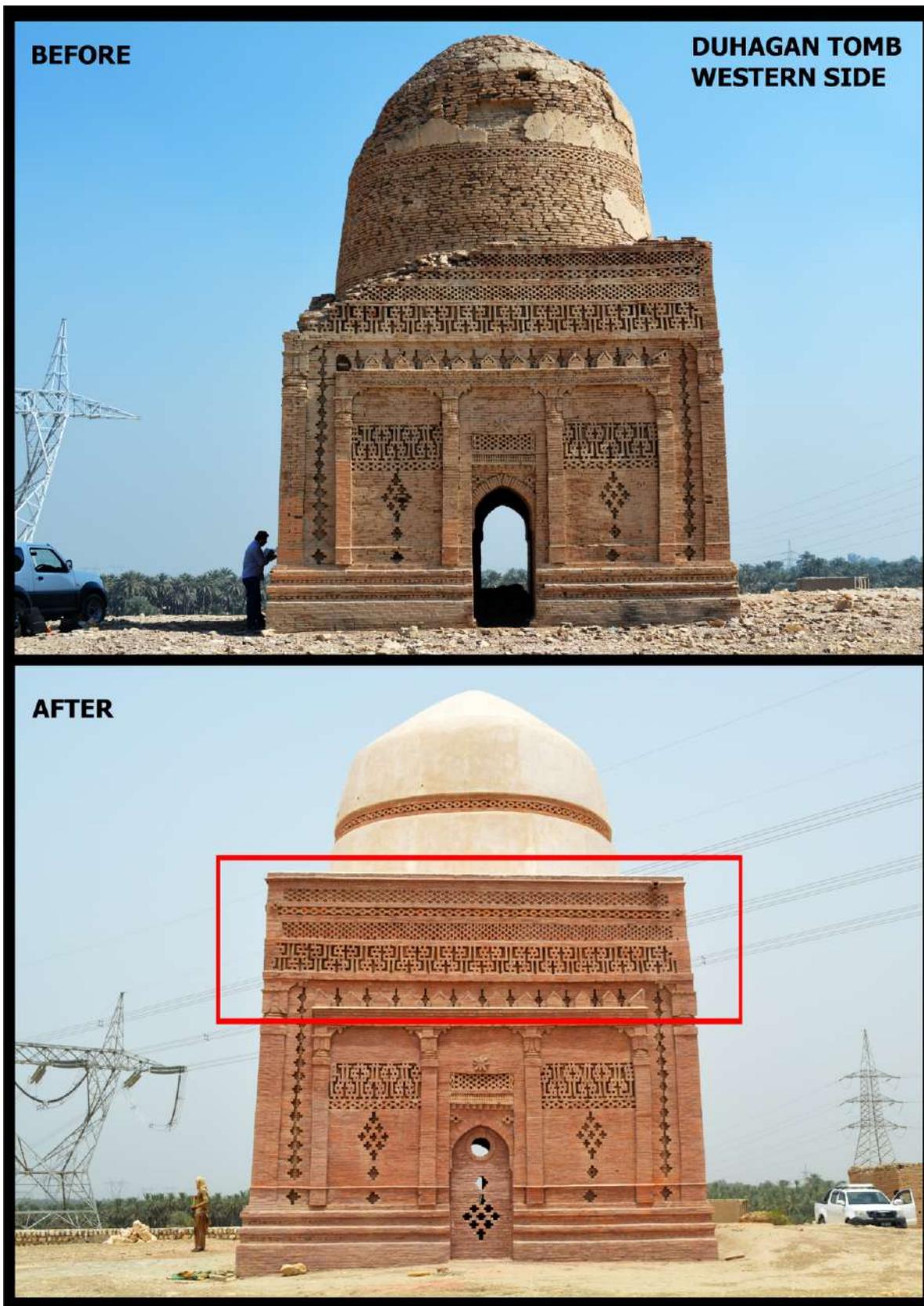
TOMB OF DUHAGAN

Before & After Photographs



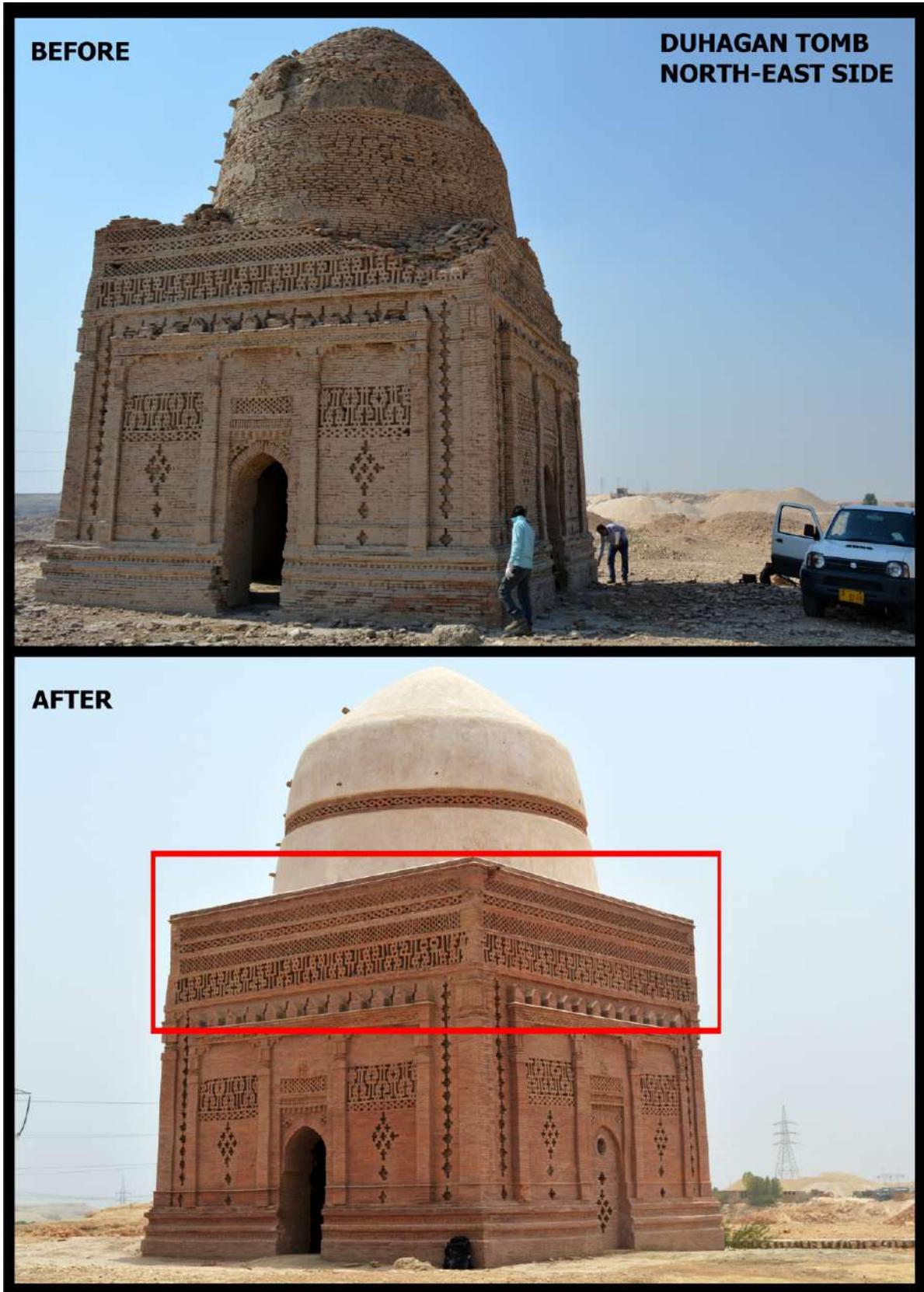
TOMB OF DUHAGAN

Before & After Photographs



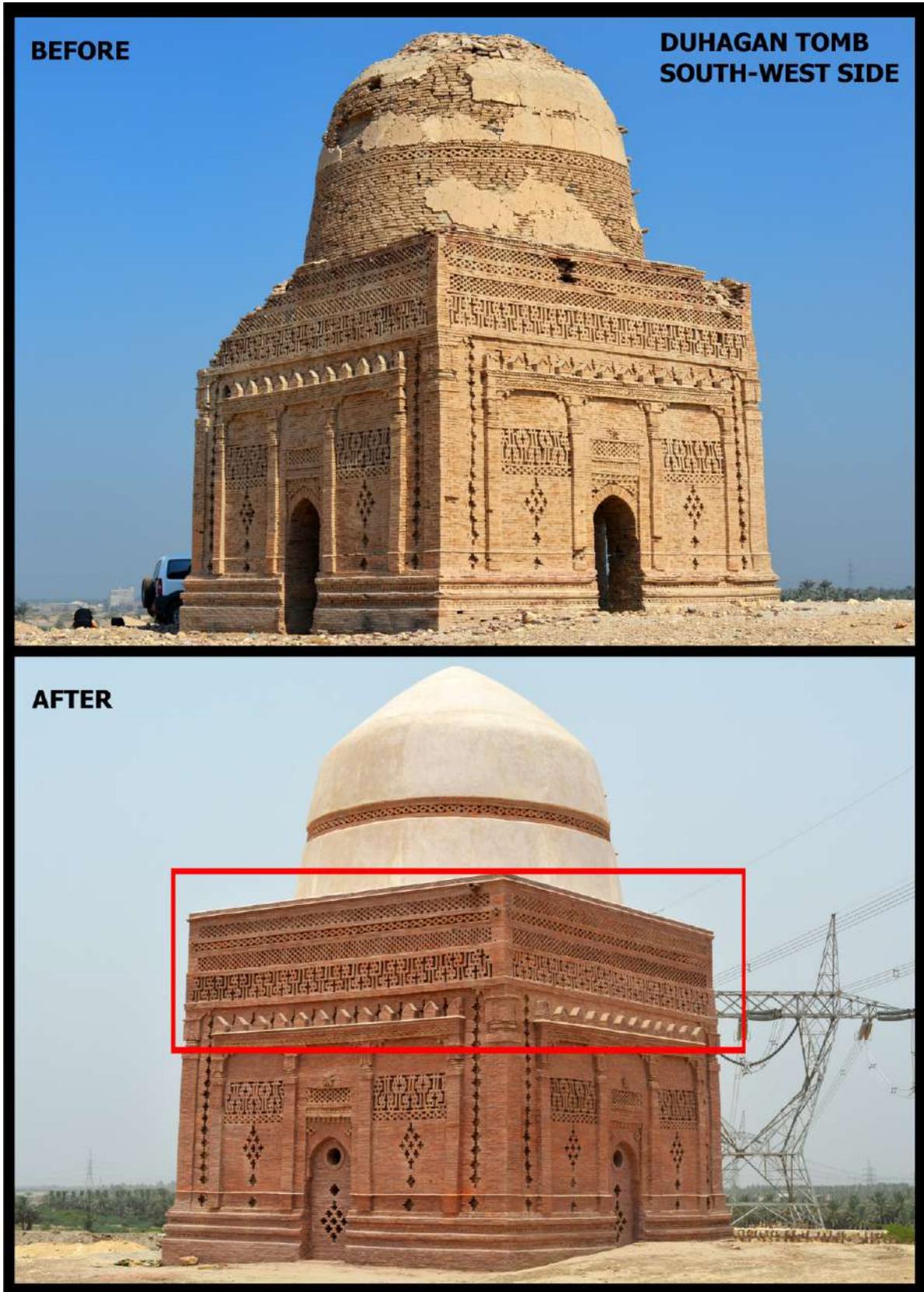
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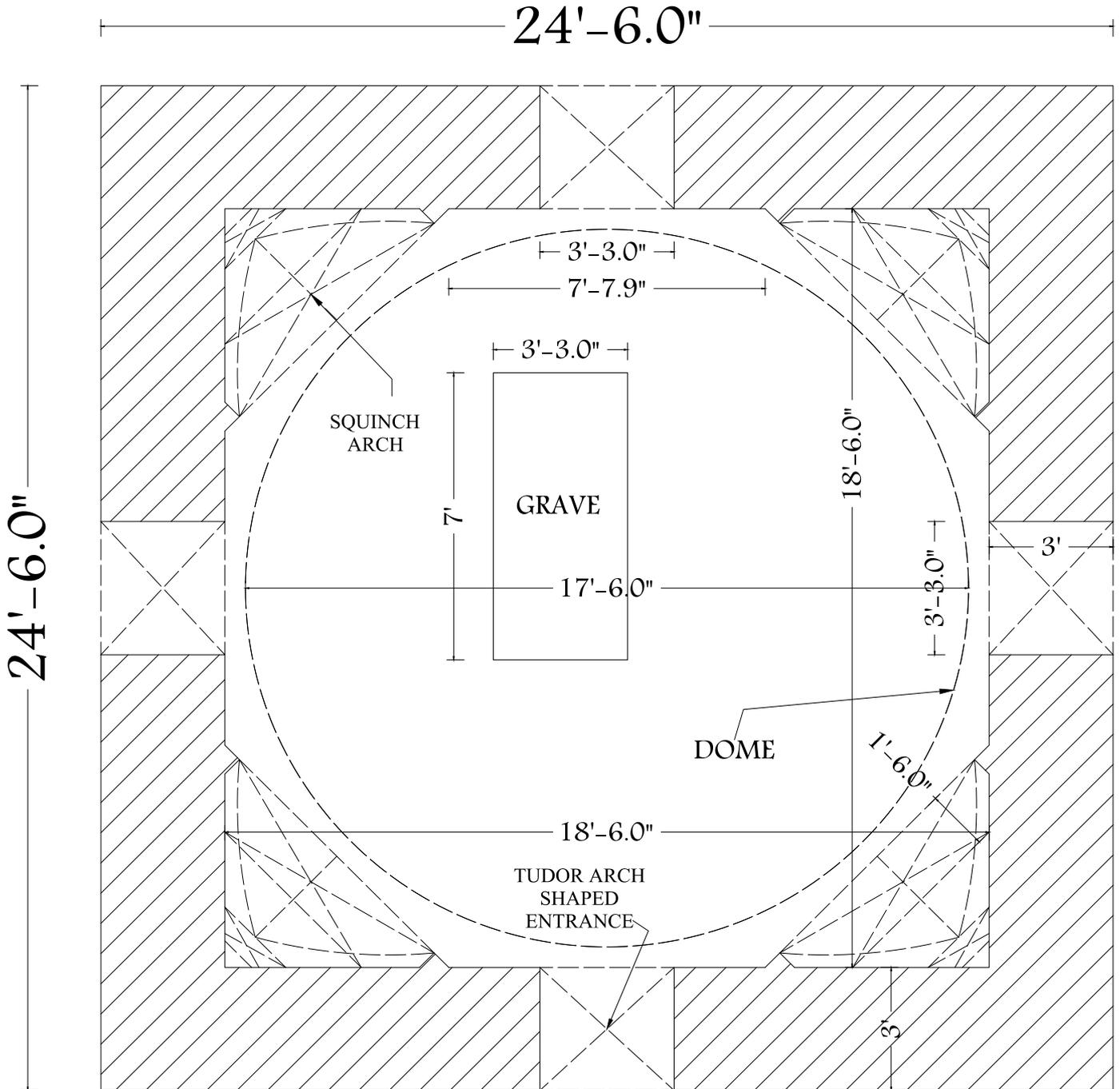
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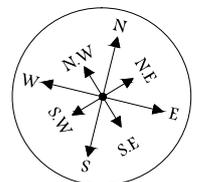


TOMB OF DUHAGAN

Architectural Drawings

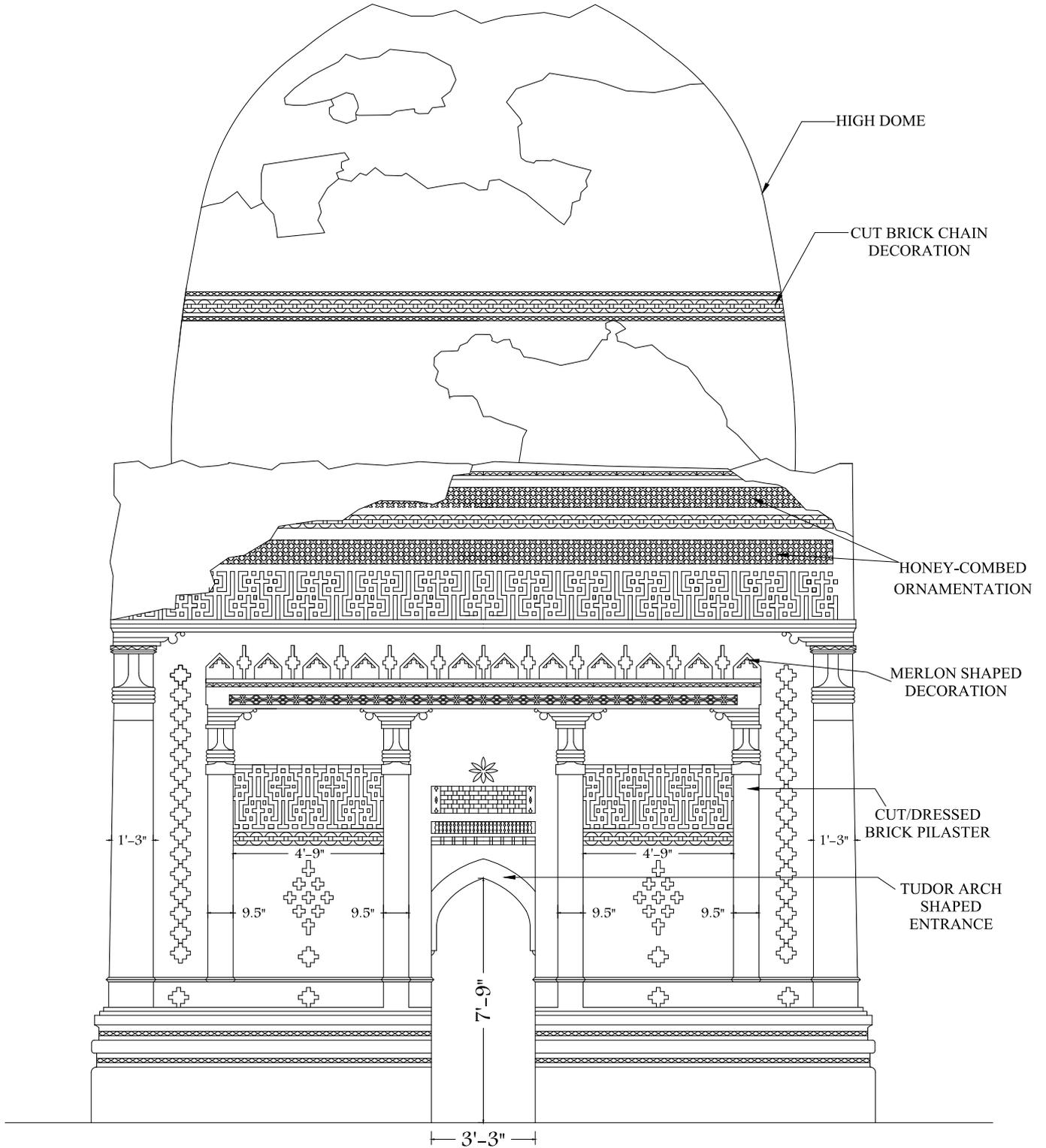


PLAN OF DUHAGAN TOMB



TOMB OF DUHAGAN

Architectural Drawings



WESTREN SIDE ELEVATION OF DUHAGAN TOMB



Endowment Fund Trust
for Preservation of the Heritage of Sindh