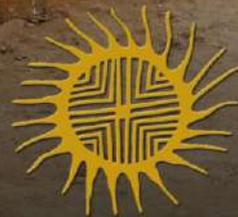


PROJECT COMPLETION REPORT  
**JAM CHUTTO**  
DECEMBER | 2019



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



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## HISTORY AND INTRODUCTION

Graveyard is commonly known as Jam Chutto graveyard and belongs to Kalhora period. Kalhoro family ruled over Sindh for eighty two years(1701-1783 A.D). Mian Nasir Muhammad Kalhoro was the first ruler, who after the samma rulers, established the independent rule in Sindh. Jam Chutto was prominent noble of Kalhoro period, during the reign of Mian Noor Muhammad Kalhoro and Mian Yar Muhammad Kalhoro.

The graveyard is situated in Taluka Manjhand District Jamshoro and is located at the top of the hillock. At present two ruined canopies, one brick structure of tomb still survive in the graveyard and some old graves are present in the surroundings with in the graveyard. Both the canopies in this graveyard are collapsed and are currently restored by EFT.

**NOTE:**

The missing stones were transported from Khudabad-II(Old Halla) to Jam Chutto site, with the permission of Culture Department Government of Sindh, these decorated stones were fixed in graves of Jam Chutto graveyard to preserve the Heritage.



## LOCATION OF SITE

**Site Name:** Jam Chutto Graveyard

**GPS Location:** 26° 3' 25.62" N 68° 5' 28.42" E

**Architectural Evidence:** Tomb, Canopies & Graves.

**Period:** Kalhora

**Chronology:** Early-18<sup>th</sup> century.

**District:** Jamshoro

**Taluka:** Manjhand

**Previous Survey:** Yes

**Nearest Land Mark:** Govt. Jagan Khan Khoso Primary School.

**Accessibility:** The graveyard is located about 2.5 kilometers on Garwari road west of Indus highway 2.5 kms to the west of Shalmani stop..



SATELLITE IMAGE

## CANOPY 1

### ARCHITECTURAL AND SITE DETAIL

The canopy was completely collapsed and remains of the pillars and platform were piled and scattered in the graveyard. The origin canopy structure was erected over a square platform, its dimensions were 17'-6.0" x 17'-6.0" and its covered area 306.250 sq.ft (28.450 sq.m). The canopy was constructed with stone masonry by using lime and *chiroli* and erected with the support of twelve-pillars.

The stones of the platforms are carved and decorated with geometrical designs.

There are three graves laid on the platform, it measures 8'-0" x 8'-0", constructed with yellow stones, carved with beautiful designs.

### CONDITION REPORT

- Parts of the canopy (base, capitals, columns & lintels) were all scattered around in a vulnerable condition.
- Base walls and base floor was completely damaged.
- Originally it consisted of 12 carved stone pillars, nearly 20% of the pillars were broken.
- 3 graves laid in series at the top of platform.
- Canopy is constructed in Two steps.
- Grave is totally demolished and made with stone masonry by using Chiroli and Lime mortar.
- It contain 12 stone pillars and found carving work on them.



GENERAL VIEWS OF CANOPY 1

## CANOPY 1 CONDITION PICS

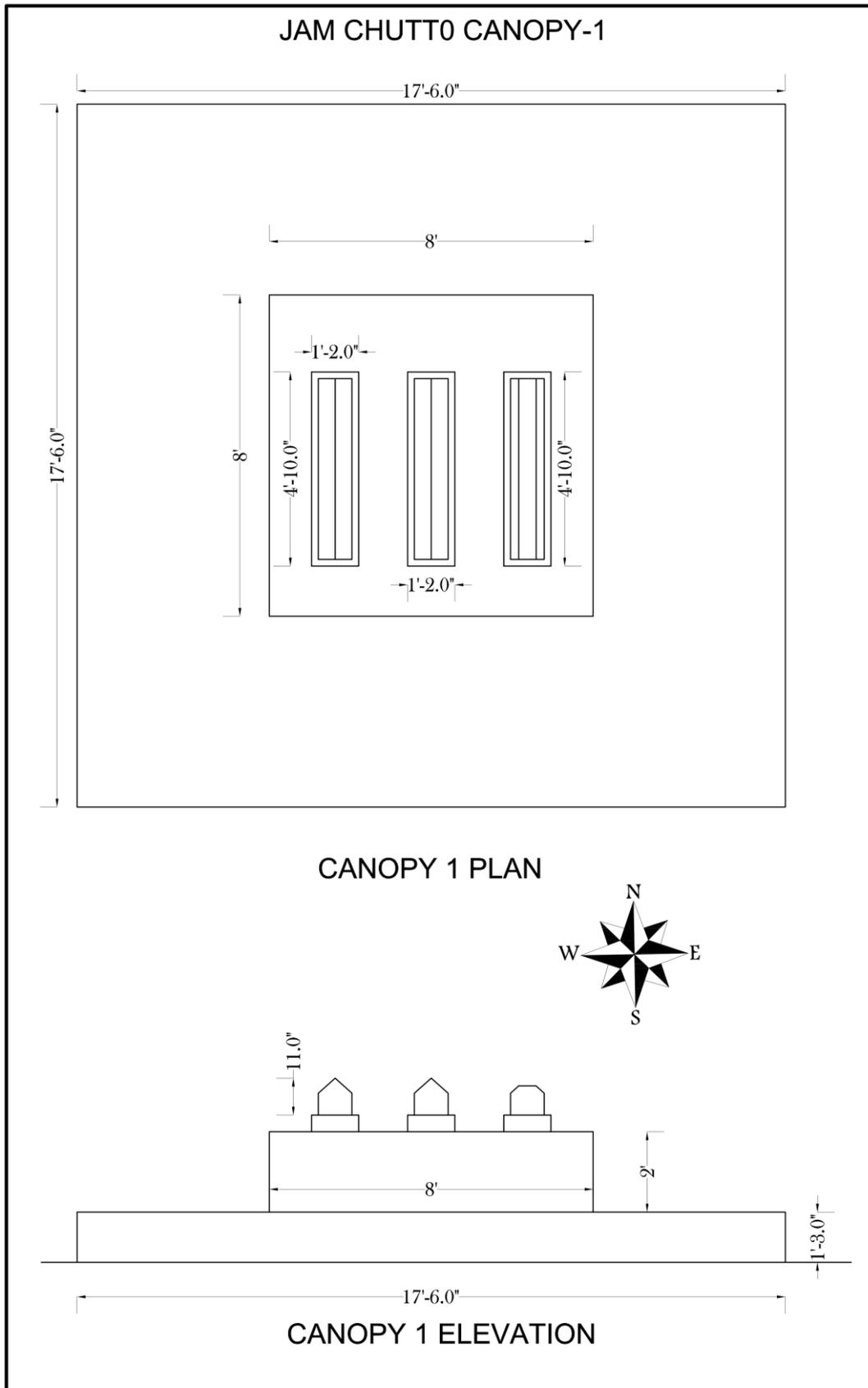


Wreckage of the Canopy



Collapsed Pillars Scattered Around

## ARCHITECTURAL DRAWINGS



PLAN AND ELEVATION OF CANOPY 1

## WORK PROGRESS OF CANOPY 1



**NORTH-WEST SIDE**



**WEST SIDE**

## WORK PROGRESS OF CANOPY 1



SOUTH-EAST SIDE



SOUTH SIDE

## WORK PROGRESS OF CANOPY 1



LABOR PLACING GRAVES ON TOP OF SECOND STEP



AFTER PLACING GRAVES

## WORK PROGRESS OF CANOPY 1



**FIXING OF SECOND STEP STONES**



**POINTING DONE ON FIRST STEP**

## WORK PROGRESS OF CANOPY 1



**FIRST STEP LIME CONCRETE LAYER APPLYING**



**AFTER APPLYING LIME CONCRETE FIRST LAYER**

## WORK PROGRESS OF CANOPY 1



FIRST STEP LIME FINISHING LAYER



FIRST STEP LIME FINISHING LAYER



# **BEFORE AND AFTER PHOTOS CANOPY 1**

## BEFORE AND AFTER CANOPY 1



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 1



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 1



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 1



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 1



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 1



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 1



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 1



**BEFORE**



**AFTER**

## CANOPY 2(JAM CHUTTO)

### ARCHITECTURAL AND SITE DETAIL

This canopy structure belongs to Jam Chutto (name and date 1170 A.H. is mentioned on the pillar). It is totally damaged, the pillars and platforms and other parts of the canopy are concealed under the wreckage. The canopy was originally erected over a double square platforms, the dimensions of the first platform are 20'-9" x 20'-9". The canopy was square in plan, erected on the second platform, measuring 17'-3" x 17'-3", with the support of twelve pillars. Its area is 297.56 sq.ft (27.64 sq.m). The border of the second platform is carved with multi-foil arches with rosette motifs. The canopy was constructed with stone masonry by using lime and chiroli. There are four graves laid on the rectangular platform, measuring 11'-3" x 7'-6".

### CONDITION REPORT

- Grave is constructed in Three steps. 1st step is 20'-9" X 20'-9", Second step is 17'-3" X 17'-3" and
- Third step is 11'-3" X 7'-6".
- Base of Graves is constructed with Chiroli, Lime and Stone Masonry in two steps.
- Base walls and base floor is totally washed.
- Floor of Base is covered with stones and found entirely demolished.
- Graves are constructed with Stones, found in weak condition.
- It contains 12 stone pillars and found carving work on that, 30 % of material (carved stones) is available at site.
- Canopy 2 contain 4 no:s of Graves.



GENERAL VIEWS OF CANOPY 2

## CANOPY 2 CONDITION PICS

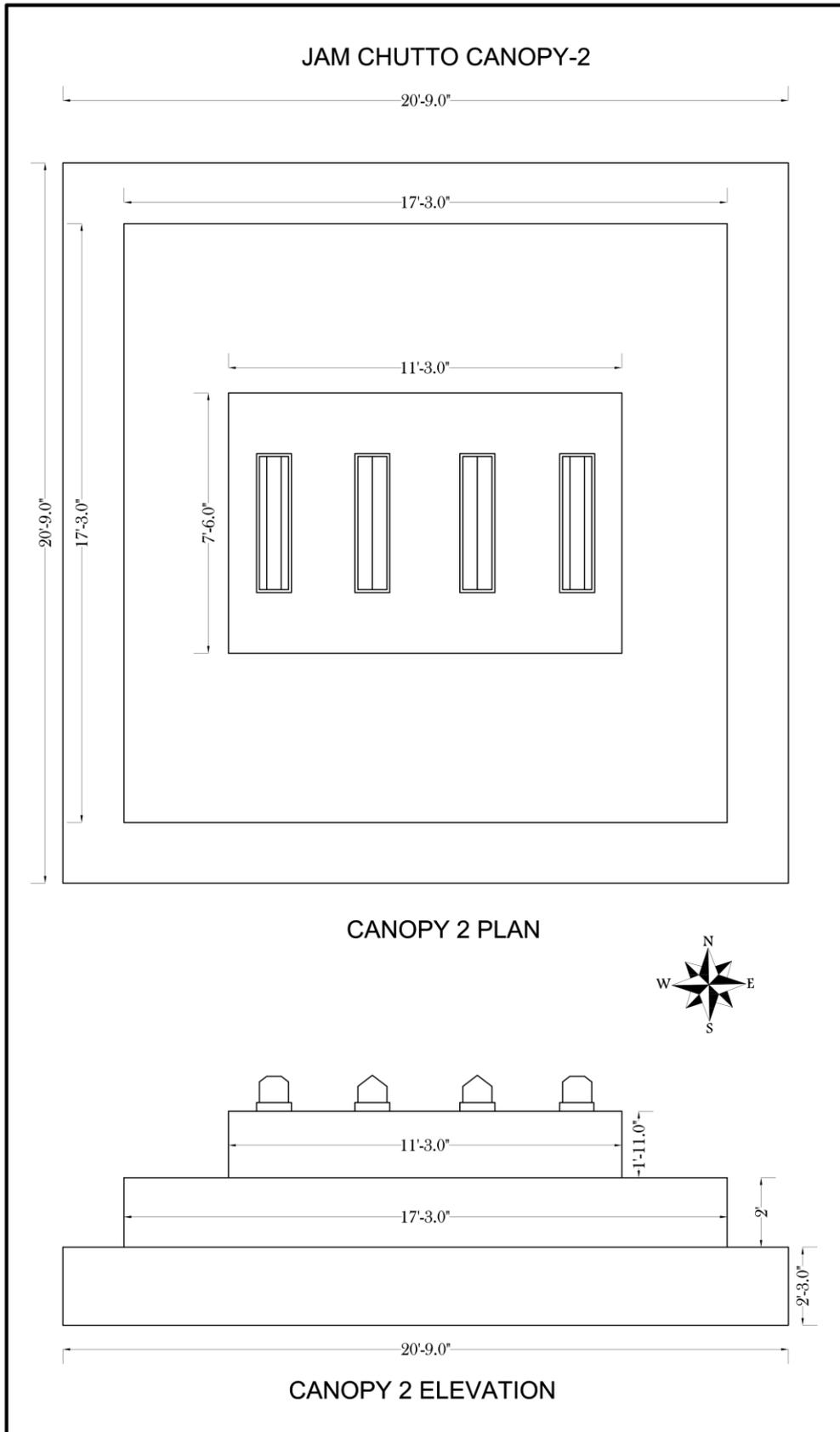


**Canopy Concealed Under the Wreckage**



**Second Platform is Carved with Multi-foil Arches with Rosette Motifs**

## ARCHITECTURAL DRAWINGS



PLAN AND ELEVATION OF CANOPY 2

## WORK PROGRESS OF CANOPY 2



COLLECTION OF STONE AT SITE



COLLECTION OF PERFORATED DESIGN JALIS

## WORK PROGRESS OF CANOPY 2



**AFTER REMOVING OF SALTED DEBRIS**



**AFTER REMOVING OF SALTED DEBRIS**

## WORK PROGRESS OF CANOPY 2



**RESTORATION OF STAIRS**



**RESTORATION OF 1ST STEP**

## WORK PROGRESS OF CANOPY 2



**NORTH-WEST SIDE**



**SOUTH-EAST SIDE**

## WORK PROGRESS OF CANOPY 2

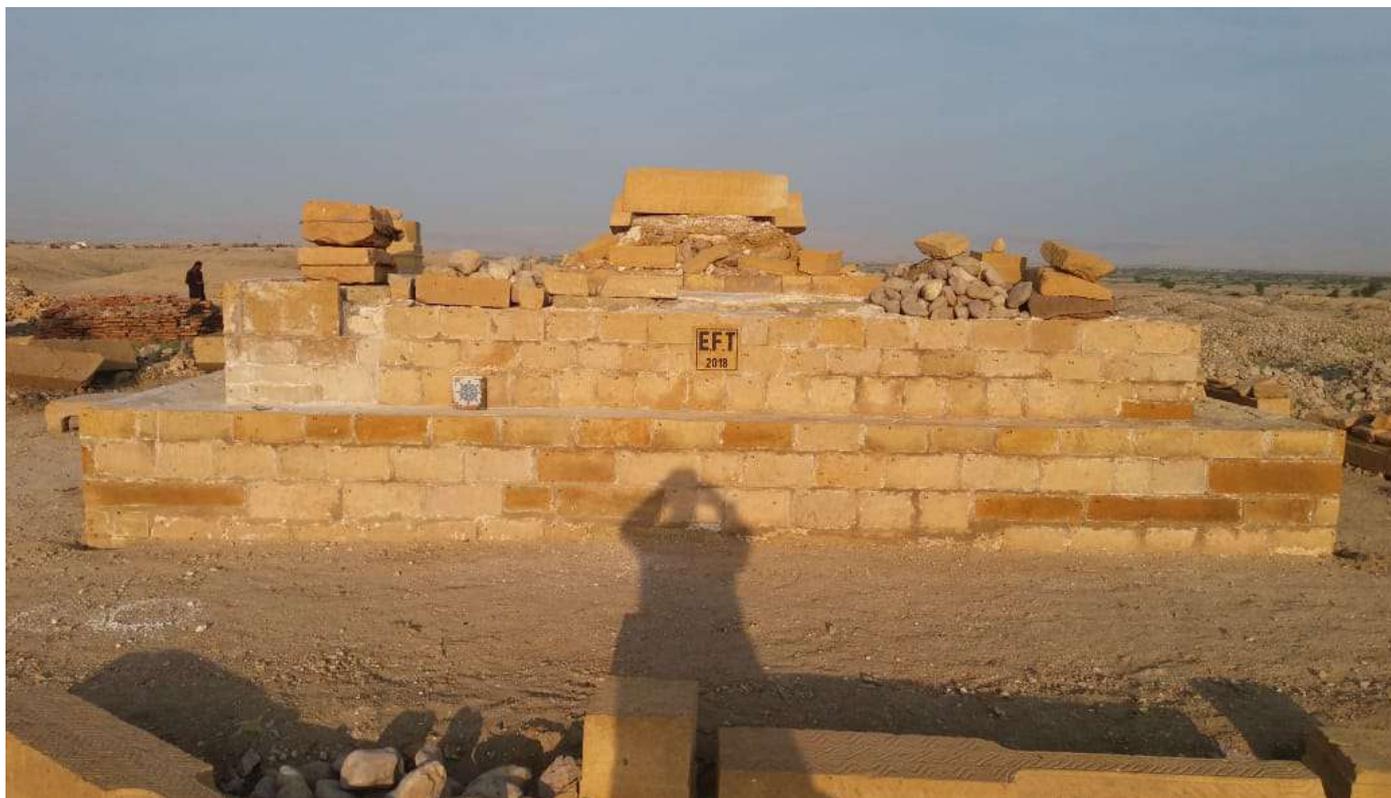


**LABOR PLACING STONES**



**CUTTING OF STONE BY GRINDER**

## WORK PROGRESS OF CANOPY 2



**AFTER FIXING OF EFT NAME STONE**



**STONES ARE FIXED ON STEP 1 AND 2**

## WORK PROGRESS OF CANOPY 2



**SIEVING OF LIME**



**CHIROLI PROCEDURE**

## WORK PROGRESS OF CANOPY 2



**CUTTING OF STONE BY GRINDER**



**CUTTING OF STONE BY GRINDER**

## WORK PROGRESS OF CANOPY 2



**FIXING OF GRAVES WITH CHIROLI**



**FINISHING OF STONE BY GRINDER**

## WORK PROGRESS OF CANOPY 2



**AFTER FIXING OF GRAVES**



**AFTER FIXING OF GRAVES**

## WORK PROGRESS OF CANOPY 2



**APPLYING LIME CONCRETE LAYER**



**APPLYING LIME CONCRETE LAYER**

## WORK PROGRESS OF CANOPY 2



**AFTER APPLYING LIME CONCRETE LAYER**



**AFTER APPLYING LIME CONCRETE LAYER**

## WORK PROGRESS OF CANOPY 2



**AFTER APPLYING LIME CONCRETE LAYER**



**AFTER APPLYING LIME CONCRETE LAYER**



# **BEFORE AND AFTER CANOPY 2**

## BEFORE AND AFTER CANOPY 2



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 2



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 2



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 2



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 2

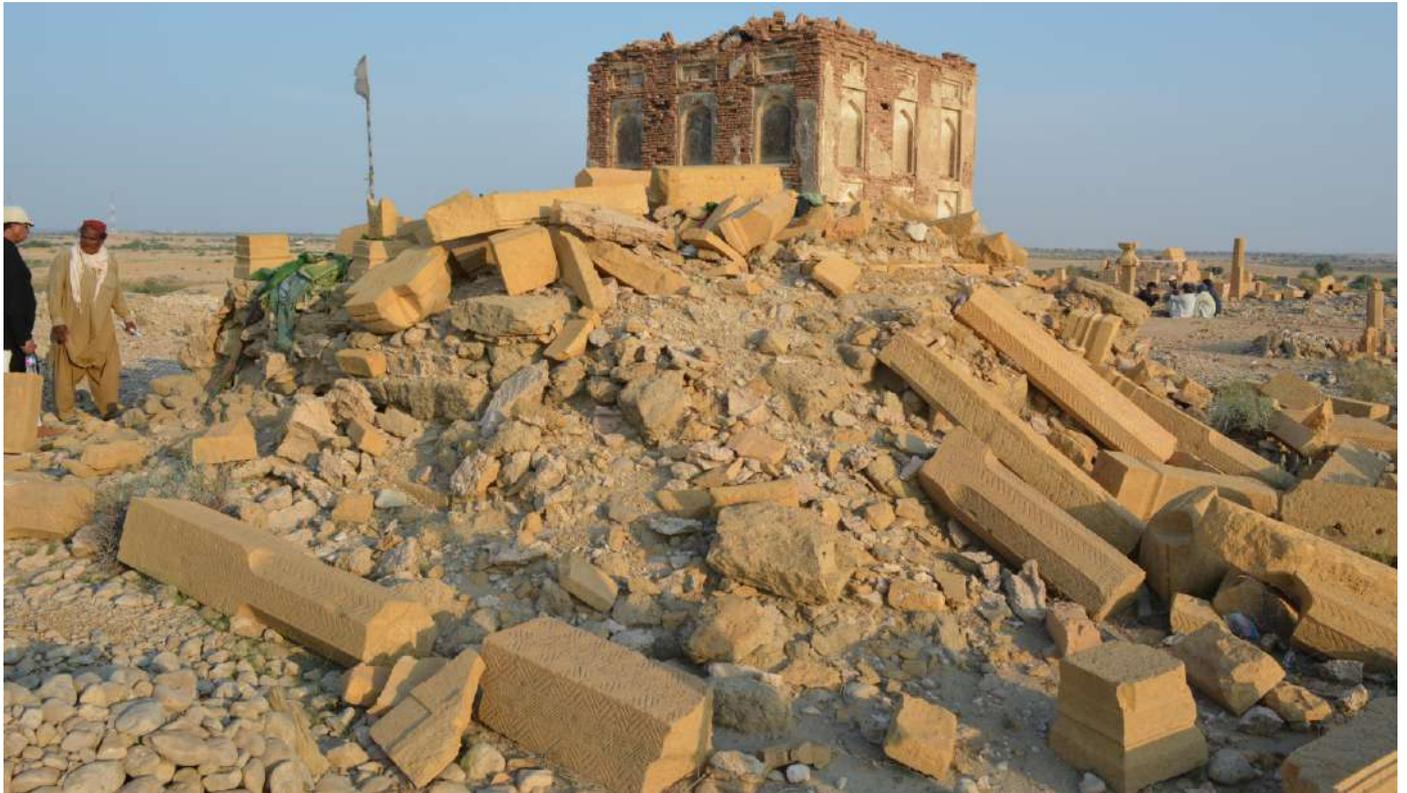


**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 2



**BEFORE**



**AFTER**

## BEFORE AND AFTER CANOPY 2



**BEFORE**



**AFTER**

## TOMB

### ARCHITECTURAL AND SITE DETAIL

The tomb structure-01 is erected on a rectangular platform, measuring 23'-2" X 29'-2". The structure is almost square, its dimensions are 18'-7.0" x 18'-5.0" on the exterior and 12'-11" x 12'-10" interior side. Total covered area is 342.243 sq.ft (31.794 sq.m) and wall thickness is 2'-10". The tomb is constructed with burnt bricks (9" x 7" x 2"), *chiroli* is used as mortar and lime applied in plaster. Facade has a tudor opened arch entrance on the eastern side and is flanked by recessed rectangular blind panels with multifoil arches. Above the entrance there are three recessed rectangular blind panels with multifoil arch decorations. The remaining three sides of the tomb has two rows of horizontal rectangular recessed panels with tudor arch decorations. Above these panels, there is a row of recessed rectangular panels. There are two perforated brick *Jali* windows on northern and southern side. Three kiosks are completely collapsed and one is surviving in a damaged condition. The dome is completely collapsed whereas the octagonal drum is in a dilapidated condition. In the interior of the tomb there are four multifoil squinch arches in every corner and two recessed multifoil arch panels within these squinches. Between the squinch arches there is *mehrab* on the western side decorated with muqarnas. On the southern and northern side are recessed tudor arch windows and on the eastern side there is a tudor opened arch entrance. Above the windows, *mehrab* and entrance there are multifoil arch panels. The interior of the drum is adorned with recessed tudor arches. Inside the tomb there are two graves laid on the platform, its dimensions are 8'-1' x 7'-0". The graves and platform are renovated with burnt bricks and cement plaster. The floor of the tomb is renovated with cement.

### CONDITION REPORT

- The unknown tomb in Jam Chutto graveyard is in a vulnerable condition and needs to be stabilized and preserved in its original condition.
- Plaster and mortar has eroded from the platform and the structure, due to which the bricks have loosened and detached from the masonry unit.
- Gaps are found in brick masonry and separated from the pattern from the exterior and interior structures, due to change in volume (expansion or contraction).
- Coving and spalling is observed in the structure.
- Black crust layer is observed on the plaster of the structure due to moisture and pollution.
- The dome has fallen off and drum is in a vulnerable condition.
- Three kiosks have collapsed, whereas one kiosk is in a dilapidated condition.
- One perforated brick (*Jali*) window of the structure is in a damaged condition.
- The graves, platform and the floor are renovated with cement.



**FACADE OF TOMB**

## TOMB CONDITION PICS



**Black Crust Layer Appear in the Plaster & Damaged Perforated Brick *Jali***



**Vulnerable Condition of Platform & the Structure**



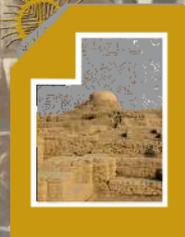
## VISIT OF EFT OFFICIALS





## VISIT OF EFT OFFICIALS





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