

**IMTO – Italian Mission To Oman**

**University of Pisa**

**BRONZE AGE TOWER - SALUT**

**(ST113A)**



**Technical Report**

**04<sup>th</sup> February – 18<sup>th</sup> February 2013**

**(Arch. Valter Filatondi)**

## **Introduction**

This campaign, on the site of Salut, took place from 2013 February, 04<sup>th</sup>, to 18<sup>th</sup>. During the two weeks of activity, the effort was concentrated on the rising up of the Bronze Age Tower located on the north-west side of the city. At the beginning, a period of time was spent to look around in finding the stones having the proper dimensions and shape to suite with existing ones.

The remains on the surrounded area, indicated by the archaeologists as belonging to different and subsequent historical periods, gave us the right stones to be used for the rising up of one row of the tower.

The actual situation, at the beginning of this mission, was as shown in the pictures below.



view from east



view from south

One team of workers of five members have been engaged for all the needed operations to complete the restoration of the tower. A JCB was also necessary to lift and move the big stones to be used for rising up the ring wall of the tower.

Not all the big stones were suitable for the restoration. Some of them were battered or crashed during the lift. Some other were not of the proper shape to fit the external finishing of the wall.



### **Works progress**

On 05<sup>th</sup> February 2013, the installation of the stones, over the existing remains of the tower, has been started. By the mean of a JCB excavator, the big and proper stones, found around the tower, have been lifted to the top of the existing wall ring, and positioning above a geotextile layer to distinguish the old and the new stones.



south-east side



north-east side



At the south-west quadrant of the tower the stones were lined outside their original position as shown on the pictures below. Those stones have been removed and reinstalled in the right position as shown below.



before restoration



after restoration



On 14<sup>th</sup> February 2013, the restoration of the tower was finished. On the pictures below, took from all sides around the wall ring, it is shown the result.



south side



east side



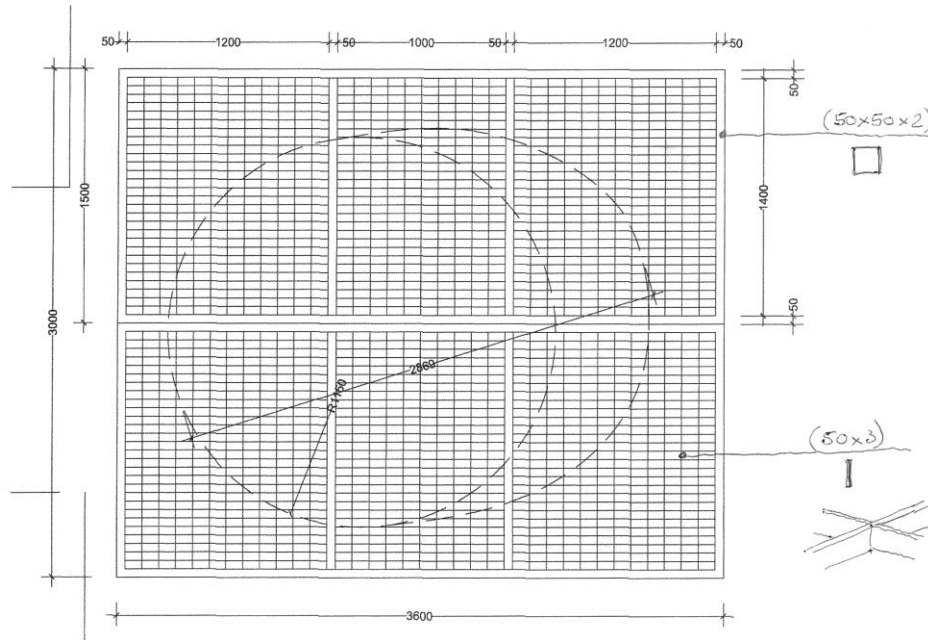


north side (not yet excavated outside)



west side (not yet excavated outside)

In the mean time, we took the measurements of the excavation around the water well, located inside the tower, and a design for the grating to be used to cover the well has been prepared and issued for cost approval. The design is as follows:



After the approval and the assembly of the grating we started the covering of the water well located in the middle of the tower. On the following pictures is shown the sequence of the installation and the construction of the water well mouth.





*Restoration works at the Archaeological Park of Salut (Sultanate of Oman)*  
*Technical Report (04<sup>th</sup> February – 18<sup>th</sup> February 2013)*









*Restoration works at the Archaeological Park of Salut (Sultanate of Oman)  
Technical Report (04<sup>th</sup> February – 18<sup>th</sup> February 2013)*









### Daily Report

SALUT ARCHEOLOGICAL SITE - Prof.ssa Alessandra AVANZINI						
DAILY REPORT by arch. Valter Filatondi						
WEEK	MONTH	DAY		MEN	WORK HOURS	DAILY ACTIVITY REPORT
1	FEBRUARY	4	MONDAY	-	-	Inspection to the site location around the bronze age tower to find the proper stones to be used for the rising up of the tower
	FEBRUARY	6	WEDNESDAY	5	6	Starting of the rising up of the bronze age tower.
	FEBRUARY	7	THURSDAY	10	5	Rising up of the bronze age tower northern side. Drawing for the grating to cover the water well
	FEBRUARY	8	FRIDAY	-	-	DAY OFF
2	FEBRUARY	9	SATURDAY	10	6	Rising up of the bronze age tower south-west side.
	FEBRUARY	10	SUNDAY	10	6	Rising up of the bronze age tower south side.
	FEBRUARY	11	MONDAY	10	6	Continuation of the rising up of the bronze age tower south side.
	FEBRUARY	12	TUESDAY	10	6	Continuation of the rising up of the bronze age tower south side.
	FEBRUARY	13	WEDNESDAY	5	6	Continuation of the rising up of the bronze age tower south and east sides.
	FEBRUARY	14	THURSDAY	5	5	Finishing the restoration of the tower. Starting the excavation around the tower.
	FEBRUARY	15	FRIDAY	-	-	DAY OFF
3	FEBRUARY	16	SATURDAY	5	6	Finishing the restoration of the tower. Continuation of the excavation around the tower.
	FEBRUARY	17	SUNDAY	5	6	Installation of the grating over the water well.
	FEBRUARY	18	MONDAY	6	6	Construction of the wall on the water well above the grating.
	FEBRUARY	19	TUESDAY	6	6	Installation of the first two rows of stones of the water well above the grating
	FEBRUARY	20	WEDNESDAY	6	6	Continuation of the stone rows of the water well above the grating
	FEBRUARY	21	THURSDAY	6	5	Finishing of the stone rows of the water well above the grating. Filling around the water well
	FEBRUARY	22	FRIDAY	-	-	DAY OFF