

BOQ TO ACCOMPANY THE TENDER FOR INTERNAL SCAFFOLDING AND PROTECTION OF COMPREHENSIVE REPAIRS AND RESTORATION OF CHHATRAPATI SHIVAJI MAHARAJ VASTU SANGRAHALAYA, MUMBAI. PHASE-II :PART-III (dt. 29th Aug 2022)

PHASE II : PART III - PORCELAIN GALLERY, ARMS AND ARMOUR GALLERY, DORABJI TATA GALLERY AND RATAN TATA GALLERY- INTERNAL SCAFFOLDING AND PROTECTION

NOTES:

- 1 Specifications of Scaffolding and working platform cannot be changed. **All Internal scaffold shall be of steel cuplock system only and paid as per carpet area.** The scaffolding shall be rust free painted and well maintained Δ
- 2 **Internal Scaffolding** to be allowed for use of different agencies for their part of works and will be retained till completion of all works and shall be as instructed by the clients and Architects. The scaffolding has to be kept as long as required till all works related to it are over for the main building. **Minimum duration is 1.5 years. Max can be 2.5 years.** The planks belonging to the museum and are stacked in the lawns are to be used here. ie shifting, tying and fixing and removing and lowering it after completion is included in the quoted rates..Δ
- 3 All items shall be measured as per ISI code for payment where not stated specifically.Δ
- 4 Kindly read this BOQ with respect to Tender notice and drawings. This shall be the part of Tender document.Δ
- 5 Contractors are requested **strictly to** visit the site before quoting to ascertain the working conditions & site limitations / conditions **from museum administration staff.**Δ
- 6 Third party and lor all risk insurance policy and necessary safety precautions are essential part of the contractor's responsibility. All rates quoted shall be inclusive for this component.Δ
- 7 The site is a museum of international repute and hence care has to be taken to ensure minimum disturbance to the visitor and tourists while the work is in progress and to ensure that all safety requirements are met.Δ
- 8 Copies of Bills and Challans of Labour and Materials and other items used on all "Extra & Deviated" work to be submitted regularly.Δ
- 9 **Daily record Labour and Materials brought to site and used on works of "Extra Item" to be recorded on WhatsApp and shared daily during the office hours** and same should be get signed within a week's time by the Clerks of Work or by the Architects representative. **If it is not shared it will NOT be considered for payment.**Δ
- 10 For extra works or deriving rates square ft rates of labour is not acceptable. It should be as per actual, recorded and data shared before carrying out the work.Δ
- 11 The lowest Rates quoted for a particular item in one section will be applicable for all " BOQs of both the Parts and sections" if the work is awarded to single agency.Δ
- 12 **A team of well trained experienced qualified engineer & supervisors is required through out the work to coordinate between the museum authorities and consultant and supevise the said work diligently/ Sharing of information photographs should be done by them. The lead contractor has to attend important weekly metings.**Δ
- 13 **Strict adherence of prevelant COVID 19- SOP/ RULES AND PROTOCOLS OF THE MUSEUM to be followed time to time.**Δ

Sr. No	Description	Qty.	Unit	Rate	Amount
1	INTERNAL SCAFFOLDING IN THE PORCELAIN GALLERY SECOND FLOOR: Providing and erecting steel cuplock scaffolding by using new cuplock scaffolding with verticals and horizontals as per standard height and length (maximum grid of 2mt x 2mt and height of one unit being 2mt). The entire scaffold shall be erected to the required heights approx 20'-0" . This scaffold shall be retained until the completion of the work or as instructed by the Architects/consultants. The entire scaffold shall be dismantled with caution not to damage the restored interiors. Contractors to note that the scaffolding shall be measured of carpet area where it is erected ie (length x breadth) in Sqft of erected scaffold area. Rates to be inclusive of an Aluminium Access ladder provided with landing space at one place and placing nad tying the planks of the museum as required. Dismantling after completion and stacking the same as directed. Please note: The scaffold materials to be stacked as directed and removed from the site on instructions from the Architect/ Client.Δ	2300	Sq.ft		
2	INTERNAL SCAFFOLDING IN THE ARMS AND ARMOUR GALLERY SECOND FLOOR : Providing and erecting steel cuplock scaffolding by using new cuplock scaffolding with verticals and horizontals as per standard height and length (maximum grid of 2mt x 2mt and height of one unit being 2mt). The entire scaffold shall be erected to the required heights approx 25'-0" . This scaffold shall be retained until the completion of the work or as instructed by the Architects/consultants. The entire scaffold shall be dismantled with caution not to damage the restored interiors. Contractors to note that the scaffolding shall be measured of carpet area where it is erected ie (length x breadth) in Sqft of erected scaffold area. Rates to be inclusive of an Aluminium Access ladder provided with landing space at one place and placing nad tying the planks of the museum as required. Dismantling after completion and stacking the same as directed. Please note: The scaffold materials to be stacked as directed and removed from the site on instructions from the Architect/ Client.Δ	2500	Sq.ft		
3	INTERNAL SCAFFOLDING IN THE DORABJI TATA GALLERY SECOND FLOOR: Providing and erecting steel cuplock scaffolding by using new cuplock scaffolding with verticals and horizontals as per standard height and length (maximum grid of 2mt x 2mt and height of one unit being 2mt). The entire scaffold shall be erected to the required heights approx 20'-0" . This scaffold shall be retained until the completion of the work or as instructed by the Architects/consultants. The entire scaffold shall be dismantled with caution not to damage the restored interiors. Contractors to note that the scaffolding shall be measured of carpet area where it is erected ie (length x breadth) in Sqft of erected scaffold area. Rates to be inclusive of an Aluminium Access ladder provided with landing space at one place and placing nad tying the planks of the museum as required. Dismantling after completion and stacking the same as directed. Please note: The scaffold materials to be stacked as directed and removed from the site on instructions from the Architect/ Client.Δ	2400	Sq.ft		

4	INTERNAL SCAFFOLDING IN THE RATAN TATA GALLERY SECOND FLOOR : Providing and erecting steel cuplock scaffolding by using new cuplock scaffolding with verticals and horizontals as per standard height and length (maximum grid of 2mt x 2mt and height of one unit being 2mt). The entire scaffold shall be erected to the required heights approx 20'-0" . This scaffold shall be retained until the completion of the work or as instructed by the Architects/consultants. The entire scaffold shall be dismantled with caution not to damage the restored interiors. Contractors to note that the scaffolding shall be measured of carpet area where it is erected ie (length x breadth) in Sqft of erected scaffold area. Rates to be inclusive of an Aluminium Access ladder provided with landing space at one place and placing and tying the planks of the museum as required. Dismantling after completion and stacking the same as directed. Please note: The scaffold materials to be stacked as directed and removed from the site on instructions from the Architect/ Client.Δ	2,350	Sq.ft		
5	Providing and fixing new corrugated 22 gauge GI sheets in PORCELAIN ART GALLERY,ART AND ARMOUR GALLERY,DORABJI TATA GALLERY AND RATAN TATA GALLERY at the heights as directed on the existing scaffold frame with additional frame supports mostly as directed for the entire duration of external works to specially cover existing glass showcase areas and protect the area below in use while the work is in progress and to protect from falling debris or to collect it at that level. Dismantling the same after the works are completed.Δ	9500	Sq.ft		
6	Covering the floor of PORCELAIN ART GALLERY,ART AND ARMOUR GALLERY,DORABJI TATA GALLERY AND RATAN TATA GALLERY by providing and fixing floor protection of three layered roll form coated woven sack double coated 5 mm sheets of KN Concept or alike make with tapes as manufacturers specification and removing the same after completion of work.Δ	9500	Sq.ft		
7	Provisional amount for covering the existing furniture ie display cases, with plywood or thermocol or plastic sheets as required and directed by curator incharge in consultation with consultant. To be Paid as actual expense incurred by the contractor during execution of the same as per the sketch and specifications provided by curators. (IT SHALL BE TREATED AS EXTRA ITEM).Δ			Provisional	4,00,000.00
	Note: These rates can also be applied for all rate analysis or non quantifiable works and a record of daily labour to be maintained irrespective whether it is a Sq.ft item or not any other item.Δ				
8	Providing the services of following Manpower for sundry works that are not itemised or non-measurable work. Rate to include for all levies inclusive of contractor's profit, supervision charges and overheads and tools. (For a working day of 8 hours).Δ				
a	Skilled Carpenter.Δ	10	Working day of 8 hrs		
b	Un-skilled helper / Mate to work with the Carpenter or any other departmental work.Δ	10	Working day of 8 hrs		
c	Skilled Painter.Δ	10	Working day of 8 hrs		
d	Un-skilled helper / Mate to work with Skilled Painter on scaffold to remove paint from TW surfaces or any other departmental work.Δ	10	Working day of 8 hrs		
e	Skilled Mason.Δ	10	Working day of 8 hrs		
f	Un-skilled helper / Mate to work with the Mason or any other departmental work.Δ	10	Working day of 8 hrs		
g	Skilled Plumber.Δ	10	Working day of 8 hrs		
h	Un-skilled helper / Mate to work with the Plumber or any other departmental work.Δ	10	Working day of 8 hrs		
i	Skilled Welder.Δ	10	Working day of 8 hrs		
j	Un-skilled helper / Mate to work with the Welder or any other departmental work.Δ	10	Working day of 8 hrs		
k	Skilled Electrician.Δ	10	Working day of 8 hrs		
l	Un-skilled helper / Mate to work with the Skilled Electrician.Δ	10	Working day of 8 hrs		
9	Existing KR Concept floor protection sheets lying with museum is to be cleaned and reused ie refixed with special tapes on which the scaffolding will be erected . After completion to be dismantled and rolled and stacked or carted away as directed	4800	Sqft		
	Total Cost of works without Contingencies				
	Add 10% Contingencies				
	Total inclusive of Contingencies.				
	Add. CGST @ 9% on total cost of works inclusive of Contingencies				
	Add. SGST @ 9% on total cost of works inclusive of Contingencies				
	Grand Total inclusive of Contingencies and all Taxes.				