

APPENDIX 2 - INFORMATION ON THE TENDER DOCUMENT

MUSEUM EXHIBITION DESIGN | DETAILED DESIGN | GM3_S1_2018-10-15

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NASJONAL MUSEET FOR KUNST, ARKITEKTUR OG DESIGN, OSLO

MUSEUM EXHIBITION DESIGN | DETAILED DESIGN

EXHIBITION ELEMENTS

APPENDIX 2 – INFORMATION ON THE TENDER DOCUMENT

Design Team Project:

Guicciardini & Magni Architetti, Florence, Italy (*exhibition design*)

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2.0 INTRODUCTION

This information on the Tender Document is part of the overall 'Tender Document' and is to be read in conjunction with the other parts, including the General Report (APPENDIX 1), the Bill of Quantities (APPENDIX 3) and the Exhibition Elements Drawings (APPENDIX 4).

The COMPANY should ensure that he has fully comprehended and included for the global scope of the works.

2.1 PROJECT DESCRIPTION

The subject of this Tender is the realization of all the elements necessary to produce, supply and install all the works to complete the exhibition design for the NASJONAL MUSEET FOR KUNST, ARKITEKTUR OG DESIGN (NM) in Oslo, according to the drawings and specifications of the detailed design made by the DESIGN TEAM (DT) and to the best working standards.

The COMPANY has to study and, if necessary, propose improvements during the Tender phase and later, before the realization of the works. Any changes have to be approved by NM and DT.

2.2 EXHIBITION DESIGN WORKS

The works are measured in square meters, in linear meters, per item and lump-sum depending on the categories.

The work categories are divided into the following chapters:

| N. | Chapters | |
|----|--|--|
| 01 | Panels - PA | |
| 02 | Plinths - PH | |
| 03 | Platforms - PL | |
| 04 | Shelves - SH | |
| 05 | Partitions - PT | |
| 06 | Tables - TA | |
| 07 | Multimedia holders-Benches-Educational (M-BE-ED) | |
| 08 | Room 12 - Garden | |
| 09 | Room 16 - Department store | |

| | | |
|----|----------------------------------|--|
| 10 | Room 21 - Minicinema | |
| 11 | Room 25 – Immersive installation | |
| 12 | Room 44 - Kosmorama | |
| 13 | Room 64 - Fairy Tales | |
| 14 | Stone elements (outdoor) | |
| 15 | Barriers - BA | |
| 16 | Graphic Elements* | |
| 17 | Prototypes | |

The total amount may vary, high or low, due to possible changes in quantities or the elimination of some categories, according to the NM decisions.

*The graphic project specs will be provided at least 30 days before the delivery of the requested graphic product.

2.3 DRAWINGS INTENT AND USE

The exhibition design drawings, are grouped in the same order of the chapters.

| N. | Name | Description | Print size | Scale |
|----|--|-------------------------------------|------------|-----------|
| A1 | Floor1_Exhibition Plan | Floor 1 Exhibition plan | A1 | 1:200 |
| A2 | Floor2_Exhibition Plan | Floor 2 Exhibition plan | A1 | 1:200 |
| 00 | Floor 1_Rooms 1-31 | Plan and sections - Room 1-31 | A3 | 1:50 |
| 00 | Floor 2_Rooms 33-89 | Plan and sections - Room 33-89 | A3 | 1:50 |
| 01 | Panels - PA | List, details, abacus | A3 | 1:50-1:2 |
| 02 | Plinths - PH | List, details, abacus | A3 | 1:50-1:2 |
| 03 | Platforms - PL | List, details, abacus | A3 | 1:50-1:5 |
| 04 | Shelves - SH | List, details, abacus | A3 | 1:50-1:5 |
| 05 | Partitions - PT | List, details, abacus | A3 | 1:50-1:5 |
| 06 | Tables - TA | List, details, abacus | A3 | 1:20-1:5 |
| 07 | Multimedia holders-Benches-Educational (M-BE-ED) | List, details, rendering and abacus | A3 | 1:50-1:10 |

| | | | | |
|----|----------------------------------|----------------------------------|----|-----------|
| 08 | Room 12 - Garden | Details | A3 | 1:50-1:5 |
| 09 | Room 16 - Department store | Details | A3 | 1:20-1:5 |
| 10 | Room 21 - Minicinema | Details | A3 | 1:20-1:10 |
| 11 | Room 25 – Immersive installation | Details | A3 | 1:50-1:5 |
| 12 | Room 44 - Kosmorama | Details | A3 | 1:20-1:10 |
| 13 | Room 64 - Fairy Tales | Details | A3 | 1:25-1:5 |
| 14 | Stone elements (outdoor) | List, details, abacus | A3 | 1:25-1:5 |
| 15 | Barriers - BA | List, details, rendering, abacus | A3 | 1:50-1:1 |
| 16 | Graphic Elements* | List, details, rendering, abacus | A3 | 1:50-1:2 |
| 17 | Prototypes | List, details | A3 | 1:50-1:1 |

Each exhibition element has an identification code:

R00_XX-Y-00

R00: Room number (1-89)

XX: Category

PA: Panels
 PH: Plinths
 PL: Platforms
 SH: Shelves
 PT: Partitions
 TA: Tables
 MP: Multimedia holder on platform
 MW: Multimedia holder on wall
 ME: Special multimedia holders
 BE: Benches
 ED: Educational furniture
 SS: Special structures
 BA: Barriers
 GP: Graphic panels
 LH: Label holders

Y: Material/Type/Room name

C: Corian like
 GL: Gilded Leather Room
 L: Langaard Room
 M: Metal
 P: Painted
 PX: Plexiglass
 S: Stone

SA: Sound Absorbing
T1/Tn: Type 1...Type n.
W: Wood

00: Sequence number(1...n)

2.4 TENDER TECHNICAL OFFER

To evaluate the technical quality of the COMPANY, is asked to deliver the following shop drawings and samples, according to the DT detailed drawings:

A. Shop drawings:

The following shop drawings to be provided for the Tender:

A1. Bench (R40-BE01), consisting of:

- n.1 chair module (CM)
- n.1 seat modules 1,20 m (SM)
- n.1 multimedia module (MM)

A2. Room 21- Minicinema (R21_SS-01)

A3. Room 64 - Fairy Tale Tree (R64_SS-07)

A4. Wooden plinth (R02_PH-W-02)

B. Samples:

B1. sample of fireproof high abrasion resistant wool for seat module of bench;

Dimension: cm 40 x 40 x 2 - Reference colour NCS S6500N

B2. Sample of fireproof lacquered multilayer wood (Room 2);

Dimension: cm 40 x 40 x 2 - matt colour NCS S2005-Y30R

B3. Sample of multilayer birch wood (for multimedia holders);

Dimensions: cm 40 x 40 x 1,4 – fireproof transparent matt coating

B4. Bronzed brass sheet;

Dimension: 40 x 40 x 0.1 cm.

Including relevant manufacturer's literature and technical specifications, certified reports verifying the compliance of specified building materials and systems, including applicable law on chemical and physical properties.

C. Mock ups

C1. Room Number on wall made in lacquered mdf

| Room | Width (m) | Depth (m) | Height (m) | Font | Side colour | Front colour |
|------|-----------|-----------|------------|-----------------------------|----------------|--------------|
| 8 | variable | 0,05 | 0,30 | Goudy Bold Oldstyle Figures | NCS S2030-B10G | NCS-1500N |

C2. Lacquered Room Graphic Panel (GP-L)

| Room | Code | Width (m) | Depth (m) | Height (m) | Side colour | Front colour |
|------|-------------|-----------|-----------|------------|----------------|--------------|
| 8 | R08_GP-L-01 | 0,70 | 0,06 | 2,10 | NCS S2030-B10G | NCS-1500N |

*The graphic project specs will be provided at least 1 week before the delivery of the requested graphic product.

C3. Portion of platform (**R03_PL-C-01**) – 0,5 x 0,5 x h 0,25 m –

with inner steel galvanized structure (30x30x2mm) and adjustable feet.

Corian like colour reference: Deep Cloud

The baseboard is powder coated aluminium (3mm thickness), removable by hidden clip fixing, height 10 cm. Colour NCS S8500N.

Included all required fittings and everything to make the finished object in accordance to best working standards.

C4. Wooden plinth – small size (**R02_PH-W-02**) – 0,6 x 0,7x h 0,4 m -

composed by inner galvanized steel structure (40x40x2mm) and fireproof matt lacquered multilayer wood, painted in colour NCS S2005-Y30R.

Span length of the structure to be calculated according to plinth dimensions and artwork weight. Three side panels of each plinth has to be removable by means of neodymium magnets, recessed in the panel, to allow the fixing of the artwork to the structure.

The number of magnets to be evaluated according to panel dimensions.

Adjustable feet to be provided. Included all required fittings and everything to make the finished object in accordance to best working standards.

2.5 GENERAL RULES FOR THE OFFER

All quoted prices should be excluding VAT.

All the specified prices of the BOQ should include:

- assessment of state of places and their technical and physical conditions and dimensions in order to size proper anchorage and fixing systems.
- assessment of size, weight and fixings of artworks in collaboration with NM.
- Shop drawings of all elements and necessary amendments to obtain approval from the NM.
- Construction cost, transport, delivery to site, offloading, storage, distribution, installation, clearance of packaging, cleaning and the like.
- Overheads and profit.
- Coordinate details and setting out with services installations including but not limited to, display cases, lighting, power, data, audio/visuals, exhibition designers and graphic specialists, building contractor, before start on site and during installation.
- Sample of materials, finishes, profiles, prototypes of components, mock ups, requested by the National Museum.
- Manufacture, provision and installation of all the exhibition elements as indicated on drawings, complete with all mechanisms, openings for maintenance, integrated lighting system, equipment, removable parts and all required fittings and everything to make the finished object in accordance to best working standards.
- Provision of operating and maintenance manuals, training on site of Museum staff in the correct and safe operation, spare parts and certifications, after sales care

The COMPANY can propose improvements in terms of quality, feasibility and durability, to be assess by NM and DT, without any cost increase for NM.

2.6 OPTIONS

The following elements (marked in green in the General Index) has to be considered as OPTIONS (to be estimated in the offer):

- 16.01.02 Lacquered Section Graphic Panel (GP-B)
- 16.01.03 Highlight Maps (GP-M)
- 16.03 Room Numbers and Signage on Door Jamb

2.7 AFTER THE TENDER

The CONTRACTOR is expected to verify the state of places and their technical and physical conditions and dimensions.

The CONTRACTOR is expected to produce shop drawings of all the exhibition elements as represented in APPENDIX 4. The CONTRACTOR will verify measurements, tolerances and discrepancies on Site and adjust Shop Drawings, prior to fabricating or manufacturing work.

The shop drawings consist of full size and graphic representations, including descriptions for materials, components and equipment, construction, finishes, provisions for movements, fabrication, assemblies, junctions, jointing methods, Site connections, fastening and sealing methods, fabrication methods, standard details, enlarged design details, diagrams, illustrations, related schedules, relevant structural, details of manufactured or fabricated.

Including technical engineering calculations documenting the technical performance.

The CONTRACTOR will ensure Shop Drawings comply with applicable codes and local regulations, and that they receive the necessary approvals from authorities having jurisdiction, without causing delays to the Work.

The CONTRACTOR should, after consideration of the criteria which in his specialist knowledge are relevant to the design and construction of the Work, make proposals for adjustments in details, dimensions or materials indicated in the Exhibition Design Drawings and clearly bring improvements in terms of quality, feasibility and durability.

The making of works should anyway follow the philosophy and the contents of the Exhibition Design Drawings.

All the proposed adjustments and improvements have to be accepted and confirmed by the NM and DT. In case of discrepancies with drawings obtain instructions before proceeding.

The CONTRACTOR is committed to work in collaboration with other suppliers and manufactured involved in the project and coordinate details and setting out with services installations including but not limited to, display cases, lighting, power, data, audio/visuals, exhibition designers and graphic specialists, building contractor, before start on site and during installation.

2.8 PROTOTYPES BY THE CONTRACTOR

Before the fabrication or manufacture of elements of the Work, full scale three-dimensional assemblies are required. Where necessary, the prototypes has to be tested to ensure that the systems comply with the specified requirements, by application of the maximum applied loads, climatic conditions and structural movements.

Shop Drawings of Prototypes have to be submitted to NM, before to start fabrication or manufacture of materials or products.

Such a prototype is meant to be considered the first of a series.

It has to be accepted by NM, otherwise it should be corrected or remade by the CONTRACTOR without any further cost for NM.

See Chapter 17 for the list of requested prototypes.

2.9 PERFORMANCE REQUIREMENTS

The exhibition elements should be such as to achieve the visual and performance requirements as specified, including the ability to withstand the effects of gravity loads and the following loads and stresses:

- (a) Dead Loads
- (b) Live Loads
- (c) Seismic Loads

Platforms, plinths and shelves shall be dimensioned to take a minimum load of 500 kg per m²,

Before to start the fabrication, the CONTRACTOR is required to submit and certify the following information for approval by the NM:

- Calculations to prove the structural stability of the special structures and big elements
- Calculations to prove adequate anchoring and bracing

2.10 ABOUT MATERIALS

All materials and finishes used shall comply with the rules governing the preventative conservation of works of art, especially those relating to the absence of harmful discharges for materials in contact with collections.