



THE ARAB REPUBLIC OF EGYPT



**International Competition for
A Comprehensive Master Plan
& Architectural Design of
THE SCIENCE CITY
In the 6th of October City
Giza, Egypt**

Under the Auspices of the International Union of Architects



Questions & Answers

16 June, 2016

Is it allowed to design underground levels (basement)?

The building regulations permit building one underground level.

Is it allowed to design the whole building underground?

The building regulations permit building one underground level. It is up to the competitor to decide this according to his design concept.

Is it allowed to shelter the parking lot? and should the parking be outdoor?

It is up to the competitor to decide this according to his design concept.

Information on other projects developing nearby, like Zewail City of Science and Technology;

Unfortunately, we do not have this kind of information.

Official data regarding the social-urban geography of the nearby neighborhood - e.g. social, cultural and economical data of individuals: age, education & occupation, status, religion, income, etc. (recent history, existing and projected).

Unfortunately, we do not have these kind of information.

We suggest the official web site of the "New Urban Community Authorities": which is affiliated with the "Ministry of Housing, Infrastructure and New Communities"

http://www.newcities.gov.eg/know_cities/October/default.aspx where relevant information may be found.

Is there a set program (or outline) for the project?

The set program of the project is outlined in the project Brief, Terms and Conditions, page 13 through 37

The method of submission is it through online means or through printed copy?

There is no online submission. The competitors should send their printed submissions to the address stated on page: 43.

You have stated in Page 49 – General Requirement Point 8. "A portfolio of the report should describe the planning and design criteria, description of the project and reduced drawings in A4 format": is this document different than the Design Report A3 format to be included in Package Envelope b? please clarify.

It is the same Design Report. The size is A3.

Kindly confirm that the Signed Registration form is the same as the Registration information filled online during the registration process noting that the content of the latter is different than the Registration form in the Terms & References.

Yes, the information in the signed registration form and the registration information filled online are the same. Each competitor shall ensure to include a hard copy of his signed registration form within his submission package

In page 41-42: Eligibility: you have requested to submit:

- Name, Address and country of Origin of the architect or team of architects
- Documentary evidence of the architect's or team leader's right to practice the profession in his own country.

Could you please be more clear about this point: is it strictly limited to legal papers and evidence or a portfolio of the company/organization chart and CVs should be joined as well to the document envelope (a).

The competitor should submit a copy of a document that states that he/she is a practicing architect in his own country. No CV or work portfolio is required.

"You must print your registration information and include it in the document envelope."

Does this mean to put the printed registration sheet to the final documents (submission in 17-August). it is not necessary to send the registration sheet separately by post till 15-05-2015, correct?

Yes, you must include the printed and signed registration sheet with the your submission in 17 August 2016. Nothing should be sent separately.

I'd like to submit a question regarding the availability of an up to date proper set of drawings for the site area and its bigger context (city scale), preferably in cad (dwg) format, in addition to a set of photographs (and aerial photographs if available) of the area in single high-resolution files. Can the organizer provide those drawings/documents?

Unfortunately, we do not have a larger scale CAD drawing of the area (city scale). An AutoCAD file is already sent to all competitors.

The photographs are included in the Terms and Conditions document pages: 77 – 82.

Unfortunately, we do not have aerial photographs of the site.

Where will the future 4th Metro line stations be placed in 6th of October city?

We do not have solid information about where exactly the third metro line stations will be placed if any. But you can visit official web site of the "New Urban Community Authorities: which is affiliated to the "Ministry of Housing, Infrastructure and New Communities"

http://www.newcities.gov.eg/know_cities/October/default.aspx

where you might have information about this point.

Is it possible to subdivide programs that are given, for instance the Collections Departments, can be made incrementally through the 3 construction phases? Or should it all be done in one phase? Do you already have a collection, and if so, what is the size of it, or you are going to acquire one?

You can subdivide the collections department into the three phases. Currently, there is no collection. The collection will be developed incrementally.

When you say 3 campuses, you mean you want to visually infer 3 groups of buildings (for instance Campus A, Campus B, Campus C), or you are only referring to their construction priority?

We are referring to their construction priority.

Should the technical and services unit be fully completed in the first construction phase?

It is up to the competitor to decide this point. But it is essential that each phase of the construction can operate independently.

Is it possible to migrate functions between buildings as the construction phases advance?

It is up to the competitor to decide this point. But he/ she should adhere to the points listed in page 32 regarding phasing of the project.

Is it mandatory that the two exhibition spaces 'collections exhibition' and 'interactive exhibition' have to be maintained as two distinct things, and in separate spaces, or do we have the liberty to propose them as one unique exhibition space?

The competitor has the freedom to propose the two spaces either as one unique exhibition or two separate or connected exhibitions.

Is it possible to use the water from the treatment plant that's approximately 4kms south to irrigate trees on the site? Is it industrial water and therefore contaminated with heavy metals?

We do not have information about the quality of the water treatment plant.

Can the tower be fitted on top of another building, given that it will not surpass the designated 45 m counting from the ground?

The competitor can decide this point as long as the tower acts as a landmark of the whole site as indicated in page 19.

The designated maximum height of 45 meters of the tower leaves less than 3 meters height per floor. Counting floor thickness and technical equipment it will be quite less than 3 meters. Is this acceptable? Must this maximum height be respected, or is it just a reference?

The number of floor is just a reference. The tower should not exceed 45 meters.

Please let us know what other information becomes available upon registration in the competition?

There will not be additional information released only to those who have registered. Only a collective Q & A as well as any other announcements, updates of notifications.

We would like to ask you some details about the site visit: It's mandatory for participants in the competition?

No, the site visit is not mandatory.

Referring to the diagrams in 2.3 Orientation and Spatial Relation Diagrams, when you say “Indirectly Connected” means that the connection between space and the other takes place through the outside (not air-conditioned), or through an intermediate space (air-conditioned) ? If neither of these interpretations is correct, what you mean by “Indirectly Connected”.

Indirectly connected means that they can be interrelated, and one can access these two components. The competitor can decide whether this interconnection is outside (not air conditioned) or through an intermediate space (air conditioned).

With reference to the table in 2.2.2 Facilities List and Estimated Area, in paragraph 6 when discussing the Observatory Tower, it means that the observatory floor 1 and 2 are located on top of the 11-storey Tower considered as Core? We ask this because the extension of each of the 11 floors of the tower core measuring 200 square meters while the Observatory floor measuring 1000 square meters each. This implies that the Observatory floor generate a strong overhang on the plans of the tower core. Is this interpretation correct?

Floor 1 and 2 are the ground floor and the first floor of the tower, then 11 floors constitutes the body of the tower. Please note that the number of floors and their given areas are a reference.

Several times inside of the invitation was appointed the Central Core, what exactly is meant by this term? What features must fall within the Central Core? Is a free choice of the designer, or there are more specific guidance? Central cores can be divided into multiple volumes or be a single unit volume?

The description of the core is listed on page 22. It is up to the competitor to decide this point. But it is essential that each phase of the construction can operate independently.

To the point 2.2.1.6_ Administration referenced to satellite administration, since they must be large? The surfaces of the individual administrations are part of the 20,000 square meters of circulation and services, or the size of each satellite administration must be removed from the total size of each of the 8 components of the science city?

The area of the administration department is listed in page 24.

The interpretation of the scheme in pg. 32 is unclear. Are the campus considered as three units separately identifiable (at the architectural level) | that are in connection with each other, or as a single unit to be built in three phases?

It is up to the competitor to build the Science City either into 3 components or one single building. In page 32 we are referring to their construction priority not to their architecture or design.

The realization of the Science city in three campus/phases implies that within each campus/phases, realized subsequent to the previous, is present a portion of the 8 components of the Facilities list, or

it is preferable that each campus/phase contains only some of the components realized but in their entirety?

The competitor can decide this point. But it is essential that each phase of the construction can operate independently.

Referring to paragraph 2.5.1_Phasing and three interactive campuses, the third point is written: "The competitors can select any element of the eight component, either the complete component or an element of it, to include it in the campuses of each phase, considering the above approximate percentages. " This means that the single element, forming part of the complete component, cannot be further divided in the three phases?

Each single element of the 8 components of the science city can be divided into the 3 phases or be included into one phase without division. But it is essential that each phase of the construction can operate independently.

To the point 2.2.1.4_Observatory Tower, it is written that the tower has a maximum surface of 3% of constructible area, while in the Surface table (2.2.2 Facilities List and Estimated Area) is written that the ground floor has a size of 1600 square meters. Which of the two statements is the text? The surface should be between these two values?

The footprint of the observatory tower should not exceed 1600 m²

Seeing the importance given to the study and research in the scientific field and view the construction of the science city to phases, in the case in which the research center is built in steps, it is preferable that from the beginning are realized all 8 collection departments also in a manner not complete (and completed in the later stages) or it is preferable that they are built just some of the 8 collection department but already of final size?

The 8 collections department can be built in several stages.

Is it possible to create new access from the Road 3 - Abd Al Salam Amin Road? (with reference to the image of the call on page 78).

No, it is not possible to propose new access from Abd Al Salam Amin Road.

Is it provides a link (or relationship) with the adjacent residential areas? Or it must be an independent structure?

The site is completely separated from the residential district by a fence.

The demand of the construction in phases, is due to the fact that no one knows yet whether the project will be completed in its entirety? Or is it simply a matter of better management of the science city building?

The demand for the construction in phases is mainly because of economic and financial considerations.

The north arrow specific angle is not provided.

Please provide the specific angle for both:

1-Cold North

2-Planet North

Please use the information provided in the AutoCAD file of the site.

With Reference to Terms and conditions- Appendix E topographical survey, Native files is not provided.

Unfortunately, we do not have this type of information.

Please provide, if possible to include the surrounding roads as well as all infrastructure utilities line

Utility lines are provided in map page 76.

Should we consider underground parking?

It is up to the competitor to decide whether the parking be underground or on site.

What is the possibility of excavating the topographical difference in the site?

It is up to competitor to decide if he/she excavates the site or not according to his/her design concept and to the building codes.

Which area of the defined areas (landscape area, circulation areas) will be excluded for the parking zone and what are the possibilities of the parking zone to be included in the basement.

The competitor can decide whether the parking lot be underground or on site.

Is the observatory tower height in complementary with the Egyptian aviation regulations in the 6th October City?

A special permission has been requested to exempt the observatory tower from height regulations.

If you can provide us with images or examples of the exhibits that are expected to be part of the collective museum?

Currently, we do not have a collection. The collection will be developed incrementally.

I want to know if the 30 % of footprint include future expansion or it will be add to it?

The 30% of footprint includes future expansion.

About acceptance form of promoter's terms, what do you mean by authorized individual and why it is written two times , right and left of the form?

"Authorized Individual" means the applicant(s) or the competitor(s) .

What colors most used in your country?

We do not have this information. The competitor can look for this information him/herself.

Could you indicate the vegetation that is adapted to the climate of your country?

We do not have this information. The competitor can look for this information him/herself.

In the tower core, where the 200 square meters that were requested for 11 floors will be used for any purpose or is structural?

The 200 square meter is only indicative estimated for structure, elevators, stairs, mechanical and electrical services that serve the tower.

Technical Plant and Security, I should only show space or you want more specifications?

It is up to the competitor to determine the level of details in the submitted drawings that best illustrate the design concept.

How to determine the types of buildings allocated to each core?

The core is a service area that serves a single building or a group of buildings (campuses). Detail of the core and its connection to buildings is stated in pages 22 and 32 respectively.

What is it meant 1,900 vehicles in shaded areas? Shaded areas are in underground levels? Calculating 2,300 vehicles * 20 m² (8x2,5) is equal to 46.000 m² and is set in the program only an area of 32.200m², so we would like to know how do you reach the value on the program?

The number of cars is indicative. Shaded area means either underground parking or outdoor parking shaded with lightweight structures like tents or pergolas.

In the Observation Tower, the deck is placed on top of the building? It appears that this space has a larger area than the lower floors, so we'd like to know if the building has a "crown"?

Yes.

There is some kind of specific organization to the Research Center?

Organization of the research center is mentioned in page 19.

I want to consider making a back entrance for the land from the north side, and then make a small street that connects the main road in that corner to that new entrance.

This part is not included in the Science City plot. It is privately owned.

Where can we consider the Architectural Zero Level?

According to the building codes (refer to page: 69 of Project Brief, Terms and Conditions Document), the zero level of the elevations is to be measured from the midpoint for each elevation separately.

Is there a principal entry for the science city?

It is up to the competitor to choose the principal entry to the project.

The Electrical plant will remain so?

Yes.

What will be built at east of area? Between the compounds and the science city?

The East side of the site is planned to be residential area.

The parking area must be unique or may be in different sectors?

It is up to the competitor either to combine all parking areas or to distribute them in different parts of the site.

What is the program for the permanent, interactive and temporary expos?

The program of the exhibitions is explained in pages 16 & 17.

Is there an aquifer? Or where we can put the water?

Water is supplied from public lines to the site.

The maximum height of Observatory Tower is 45 Meters, are you sure it will overlooking the Giza Pyramids?? Can I overcome this height??

The height is planned to be 45m. In later stages of the project, the exact height of the tower can be studied in detail to provide better view to the pyramids and also be negotiated with local authorities.

Would the winning team in the Competition be commissioned to complete the design of the Project?

Please refer to p. 41 of terms and conditions documents.

Is there any official confirmation that the funding has been already allocated to the Project?

It is too early to respond to this point.

Did the max height is for all structures, internal and external including signage lighting columns?

The maximum height is for all structures except for The observation Tower.

Is there any information about the underground water level?

The technical boring tests are listed in pages 56-67.

Is there any pedestrian connection from the main road (Wahat road) to the site directly (using bridge or tunnel)?

The existing master plan shows only access roads from the North side of the site. However, it is up to the competitor to propose new access roads that would serve better his/her concept and design. The proposal shall be negotiated with authorities according to the project's concept in a later stage.

Is the buffer zone a part of the design as an approach to the entrance or an external parking area, (pp 12)?

The buffer zone is currently not part of the Science City land lot. However, The design proposal may be negotiated with authorities according to project's concept in a later stage.

The observatory tower (pp 23), could it be with different proportions (height to floor area), to be a real land mark?

The given areas of the floors are only indicative estimated for structure, elevators, and stairs, mechanical and electrical services that serve the tower. However, the height should not exceed 45 meters.

Does the drawing delivered must explore the 3 different design phases (pp 31)?

Yes.

As a green building (pp 30), is it must be a LEED certificate?

The buildings should not be LEED certified but it must be green building in terms of saving energy and non-renewable resources.

There is two figures for the built are; Page 11 " the max built up area is 37498.44 m²" – Page 33 "the total plot area is 37800 m² at ground level".

Which number is correct?

The maximum built up area is: 37498.44 m² (30% of 124,994.80 m²)

Museology themes (pp 34-35), should it be illustrated and explained by studies and shots separately or included in the master plan design?

It is up to the competitor to decide this point.

What is the case if there is a foreign member in the team?

There is no restriction to include foreign members in the team.

Is there any CAD files for the site and the topography map?

Unfortunately, we do not have a cad file for contour lines of the site.

What do you mean with shaded parking? that can be installed underground or inside a building or just that it is covered by a canopy? in the first case, the square meters planned for the parking spaces are to be added to the Total Built up Area?

Shaded area means shaded with lightweight structures like tents, pergolas or underground.

With reference to Appendix A Geotechnical soil report, point 2. The Project and the Site are referred to a project with specifications that are detached from design specifications in the Project Brief document, what signs we must obey? Always in point 2. The Project and the Site are the following sentence: "A four-storey building, annexed to the main building, extends 16 m. below ground level final for car parking "so can we make an underground parking or please adhere to the obligation of the basement as required by Project Brief document?

The paragraph refers to a description of a previously proposed building for the Science City. Competitors should adhere to the regulations and program specified in the Project Brief Document.

At the Appendix A Geotechnical soil report, point 2. The Project and the Site you talk about "final ground level elevation at 88.0" is the altitude at which we must obey for the positioning of the buildings? Given the shape of the sloping site you are allowed to do excavations in order to maintain a single altitude building?

The paragraph refers to a description of a previously proposed building for the Science City. Competitors should adhere to the regulations and program specified in the Project Brief Document.

Could you clear the point (7.1 - a) in the appendices and supporting data that related to the main building in the site. As you said at the first part that we should neglect point 2 as the site clear from any buildings.

The paragraph refers to a description of a previously proposed building for the Science City. To avoid confusion, we wanted to clear to competitors that the site is now clear from any buildings.

It appears to us that it won't be possible to give enough drawings for explaining our project in the 8 A1 size panels while respecting the scale of each documents required .

Would it be possible to change these scales as following

SITE PLAN /MASTER PLAN 1/1000 ° instead of 1/750

SECTIONS and FACADES 1/400 ° instead of 1/200°

this scale is already the scale of the plans and that will allow a better understanding of the architectural design .

According to our calculations, 8 panels with specified scales is enough. Using smaller scales will make it hard for the jury to see the drawings clearly.

The Map shows that there is an Electrical plant located at the west side of the site, are there any regulations regarding the set back from the Electrical plant?

For setbacks please refer to the building codes and regulations in page 69.

Should the outdoor spaces area 88,200 m² include the parking?

It is up to the competitor to place the parking in the outdoor area or include some parts of it underground.

Please clarify, if the high definition theater needs back stage area or not.

The high definition theater will include mechanical room and storage area, in addition to reception and offices.

Please clarify if the library contains rare books or not?

No. The library will not include rare books.

Shall we need amenities related to the conference center such as business center,etc

It is up to the competitor to add any component that he/she sees required for enhancing the function of the Science City such as business center.

How many books needed for the library?

The competitor should estimate the number of books.

Please clarify, if this section will be related to the technical and service units especially for the workshop sections.

No, it is not necessarily that the administration be related to the service area and technical unit.

In the administration organization chart it is mentioned that there will be administration departments and satellite administration offices, shall the conference center needs satellite

department and should it be overseen from the main administrations or it will have its own administration.

The conference center will have its own administration department.

Please clarify, if the security will be part of the administration or not.

The security is part of the service and technical unit as indicated in page 22.

Should the collections 8 mentioned department be equal in areas.

Yes.

Can we get some programmatic details the administration department with its area required such as (No. of staff, internal components, area needed for administration components and the internal organization)?

The administration department consists of 6 departments each department has about 10 employees. The administration department has also meeting rooms, lounges, archives, storage areas and offices.

How many workshops needed for the technical and services unit and if they are variant in sizes and functions, please clarify.

The number of workshops is estimated as 4 workshops that have the same area.

How many offices needed for the technical and services units and what are the internal relation between departments.

The offices required for the technical department is for approximately 25 -30 employees.

The Observatory 'shall be constructed on an area no more than 3% of the allowable construction area.' That is 3% of 37,500 sqm: 1125 sqm. In the program, the footprint for the observatory is set to be 1600 sqm. Please clarify.

The areas are approximate and for guidance. The competitor can decide the footprint of the building.

In the science park spatial diagram what is meant by rotating exhibition, does it mean the temporary exhibition hall because the relation is not shown on the temporary exhibition diagram.

The rotating exhibition means a temporary exhibition.

In the research center meeting rooms components, the mentioned No. of persons are totally different with what mentioned before in page 17 in the conference center section which show that the meeting rooms accommodate 50 persons each rather than 25 persons and also the total No. of persons for the meeting room is 170 persons while in the narrative page 17 it is 200 persons.

The Research Center has meeting rooms that are different from the conference center meeting rooms.

Please clarify if we can use the basement floor for certain special functions?

It is up to the competitor to use the basement for any function that he/she sees appropriate.

Are there any chances to push the competition submission deadline?

Unfortunately, we are not able to postpone the date of submission.

The images show that there are vitality areas (Electrical building and electrical box) at the site, shall we have the opportunity to reallocate the utility area in another location, please clarify?

There is one small building at the northeast corner of the site. This empty building can be relocated or removed.

Where can I get the Form of Promoter's terms in order to sign it and make a copy?

The promoters' form is listed in page 54.

Is it possible to present the drawings in a smaller scale than the one mentioned if there are no details?

The competitor has to abide to the specified scales.

Is it possible to increase the number of panels to present the project ?

No.

Concerning the project's report, we intend to use font 10? Is that acceptable?

The competitors can use any font but it has to be legible for the jury.

In page 50 its mentioned that 5 copies of the report should be submitted, while on page 51 it is mentioned that 3 copies are needed? Which one is correct?

5 copies are required.

Is the parking area included into the area numbers for the Science park? Since 37.000sqm of the ground floor allowed constructed area + 88.000 sqm of the Park already take up the entire site.

The parking is included in the area science park. The parking can be partially underground and partially on site.

Since the “core” of the Science city needs to be built in the first phase of the construction we are wondering whether by “core” You mean the Orientation Hall or is the definition of the “core” left to the imagination of the designers and is not a specific space. The confusion is here because the “core” is not included into the list of facilities.

The core means the service and technical area as well as any central and shared facilities that the designer see to be better included in the core area.

Since the brief states that the Science city should be built in 3 phase (campuses), we assume that You are looking for a master plan where activities are located in several separate buildings spread around the site rather a than being connected all into one joined structure.

We assume that for a full functioning of a Science city parts of all 8 main categories of facilities would need to be built (eg. Exhibitions cannot function without Administration, Technical and Research center facilities, Security etc.). Because of the limitation on constructed area in each phase, this, however, means that several groups of facilities would be very fragmented, i.e. not all of the Administration facilities and Technical facilities can be located in one area because they cannot be all built in one stage.

In another example, Research center cannot be built in one stage, since Exhibitions, Tower, Administration and “core”, which are all presumably necessary for a full functioning of the Science city from day one, already take up more than it is allowed to be built in the first stage. One of the solution would be that Administration and Technical areas are given a certain percentage of total area in each Exhibition areas, Research center, Congress center etc. respectively rather than being located in separate buildings. But we are not certain that this is what You as the committee are suggesting in the brief.

As this is a conceptual design competition, it is open for the competitor to suggest either to design the science city project as one building or as several buildings. Also the designer can decide either to unite the 8 components into one unit or disperse the 8 components into several buildings that are built in several stages. But it is important that each stage should be functional until other stages are built.

For this reason we would be very grateful for more clarification in terms of what is a campus or a broader definition of the term and also what activities are crucial for You as the committee to be commenced in the first stage of construction (Exhibitions, Congress center, Research center etc.) apart from the Tower and the “core”.

The campus means a group or part of the 8 components. Tthere is no preference about the components of the first stage.

Further more detailed explanation of the term Research centre in terms of activities and required spaces as well as its connection to the Technical and Services Units in terms of crating, uncrating and storage would be very appreciated.

The storage procedure in particular is a bit unclear since in the list of facilities You specify “Inventory” and “Workshops” which we assume are spaces for crating and uncrating of exhibition materials.

However it is unclear whether they should actually be a part of the Research center or a separate facility. Also, is "Inventory" the main storage and only storage for exhibition articles or do Collection departments also include permanent storages. From the brief it seems that Research center's Collection departments only require some sort of temporary storage areas, which allow the work of the scientists on day to day basis.

Any sort of clarification in this area would be appreciated.

"Inventory" and "Workshops" are mainly for all components of the project not specifically for exhibition facilities.

Collection departments include permanent storages.

Research center include temporary storage area.

What are the prohibited building materials to use?

It is up to the designer to select proper materials for his project.

Refer to page 14, you speak about "*first class international science cities*". Are there any examples that inspire you?

It is up to the competitor to search for examples that are first class international science city.

Do the research centre have to vary depending on each specific brief?

At this stage of the project no.

Refer to page 19, what do you mean with "*collections*"?

Collections means a set of related objects that belongs to a specific or a certain group.

Refer to page 19, is the "*observatory tower*" a public facility or is limited to scientific research? Can you please be more specific?

The observatory tower will be used as a public area where the visitors can use and also be used for scientific research for astronomy.

Please confirm that the 8 components can be classified into 2 categories:

I- Public (visitor centric and focuses on visitors):

- Exhibition hall
- Conference centre
- Planetarium
- Science park

II- Private (research and support)

- Admin
- Observatory
- Research
- Technical (core)

It is up to the competitor to divide the eight components to public or private.

Please clarify the parking provisions: can we assume that are all on-grade shaded parking, and that will be on the science park site area (total 88.200 sq.)?

The parking can either be on ground or in the basement. And that will be in the science park area.

Are we allowed to add to the program given or are we restricted to given program

The components and areas are indicative as stated in page 23 point 2.2.2.

We need more information to study the context of the site to the surrounding. Right now there is no information and therefore we cannot create any connection to surrounding lands.

More information can be found in the official web site of the "New Urban Community Authorities: which is affiliated to the "Ministry of Housing, Infrastructure and New Communities"

http://www.newcities.gov.eg/know_cities/October/default.aspx

The building regulation allows only three floors above ground, however, the number of floors of the Observation Tower (OT) is four including the ground floor according to the given design brief. Is it appropriate to understand that OT is exception and subject to the negotiation with the relevant authority?

Yes.

Is there any restrictions about indoor and outdoor lighting?

No.

The given layout plans around the site shows the piping layout of both power and potable water to the north of the site. Is it appropriate to consider that the power and water for the Science City will be directly supplied from them?

Yes.

Will electric power be directly supplied from the adjacent power station?

Electric supply is from the north side of the site as in page 89

Is the water supplied from the Nile river? And, is the underground water available in the site?

Water is supplied from the north side of the site as in the map in page 89

Is gas supply pipelines available in this area? Or, is LP gas available?

We do not have this information at the moment.

Is a sewerage system available in this area?

Yes.

Is there any sewage disposal plant in the vicinity?

We do not have this information at the moment.

Is there any specific structural method and material considering the locality (e.g. indigenous materials and manpower skill)?

It is up to the designer to explore this point.

There is a description about a future extension possibility. Does it refer to the adjacent areas of the site? If yes, is there any specific use for the future extension of the buildings?

The future expansion will be within the current site.

Is there any assumed construction schedule?

Please see phasing in page 32.

Regarding the vehicle parking area, number of general parking lots is given. Could you provide us with a specific number and location of the parking lots for bus and mini-bus?

The designer should decide this percentage.

Would you provide us with the current masterplan of Cairo and the 6th of October City?

Please visit official web site of the "New Urban Community Authorities: which is afflicted to the "Ministry of Housing, Infrastructure and New Communities"

http://www.newcities.gov.eg/know_cities/October/default.aspx

Would you provide us with the current masterplan of the residential compounds on the sites adjacent to the Science City?

Please visit official web site of the "New Urban Community Authorities: which is afflicted to the "Ministry of Housing, Infrastructure and New Communities"

http://www.newcities.gov.eg/know_cities/October/default.aspx

Should the site boundary with the north-east and the north-west neighboring sites be set with a security line? Or, can those boundary be planned as a continuous landscape?

The designer can add any element of landscape.

Would you provide us with a list of trees and plants, which are indigenous and easily available in this region?

We do not have this information. It is up to the designer to search for this information.

Will the MSA University in the vicinity be operationally connected with the Science City?

No.

Do the sands of this region's desert contain much SiO₂?

We do not have this information.

Is basement for car parking allowed? If yes, what is the maximum allowable area?

Yes. The same area as the ground floor.

In case of we provide basement for car parking, will basement area be considered as part of the allowable built up area (85,000m²) or it is excluded?

Excluded.

Expected number of employee is 450 person, can you please provide breakdown for this number to consider them in the design of Administration zone?

We do not have this information at the moment. They can be divided equally among departments.

If we utilized the total BUA which is 37,498.44m² then the remaining area of land will be 87,496 which is less than the required area for the outdoor exhibition 88,200 m², please clarify

Areas are approximate, you can use 87,496 m².

The information mentioned in this clause should be under title exhibition halls and spaces not under the title orientation and information hall, please confirm p. 16 2.2.1.1

The title indicates exhibition halls and spaces that include orientation hall as well as exhibition area.

Can you advise on your preferred components for each campuses of the three campus?

The details are in page 32

Are the provided relation diagrams mandatory to be followed or it is preferred or just for reference?

It is just for reference.

Regarding the museology theme, the required themes will be reflected in the interior design of the exhibition halls, which is not part of the architecture scope of work. Please confirm

This is additional information as different themes may require different architectural design consideration.

Can we get more information about field & experience of each jury members? This will give us more understanding for prompter and jury member's expectation, objective & fields of views.

The competitor can look for this information him/herself.

Is there a certain number required for banks, shops, cyber cafes .

No, it is up to the designer to propose this.

About technical and services . Is there more detailed information about the program required.

The technical and service area as described in page 22.

About administration. Is there more detailed information about the program required.

The administration department consists of 6 departments each department has about 10 employees. The administration department has also meeting rooms, lounges, archives, storage areas and offices.

Is it possible to connect the Northern tip of the site with the road on the North along the boundaries of the residential compound?

No it is not possible.

Can we exceed the 3 floors height at some parts of the complex ?

No, except for the observation tower.

Regarding the copy of Competitor's proof of practice of Architecture, should it be sent during the registration process or only in the final stage with submitting the competition documents?

It is required to be sent with the final submission.

Regarding the height of the buildings, please specify the level from which it's measured as according to the site topography in your attached documents, there are a variation of about 10 meters because of the slope (85 to 95).

According to the building codes (refer to page: 69 of Project Brief, Terms and Conditions Document), the zero level of the elevations is to be measured from the midpoint for each elevation separately.

Is there a preference of entrance from any sides of the site, as some competitors haven't the chance to visit the site.

No, the designer should specify this.

Can there be a light structure on roof (above the 3 floors)? as a shade for example: can be used as PV cells, offer shade for roof social spaces, or creating a roof garden. Please note, it's not a closed spaces or any walls will be constructed on roof.

Using pv cells at the roof level can be accepted, however this can later be discussed with local authorities to have an official approval.

For requested Shaded parking areas, can it be outdoor at ground level with light structure or it's has to be inside building or basement with direct access to inside?

It can be either underground or outdoor at ground level with light structure.

Areas described at page 23-24 in the official Project Brief, regarding Terms and Conditions, represent estimated gross areas, including envelope finishing and structure of the buildings, or do they represent net/usable internal areas?

(65000 m²) is the approximate areas of the components of the project. 30% of this area will be added for circulation. This means that the total gross area of the components of the project is 85000 m² approximately.

The enumeration of the Observatory Tower areas is rather confusing.

Please specify whether it refers to a or b:

a. The Tower consists of a maximum of 11 floors (better height of usable space), that contain a core of floors 200 square meters each, to which, on the ground/first floor, as well as on observatory decks, and on the top deck, the area of the floor should be bigger, adding those suggested 1000-1600 m²?

B. The Tower has 15 floors that consists of a ground floor(max=1600 m²)+first floor(max=1600m²)+11 floors(max 200m² each)+observatory floor 1 and 2 (max=1000 m² each)+the top deck(max 1000 m²)?

Floor 1 and 2 are the ground floor and the first floor of the tower, then 11 floors constitutes the body of the tower then observatory floors 1 and 2. Please note that the number of floors and their given areas are a reference. The tower should not exceed 45 meters.

Why is the Tower core considered to have around 200 m²? Should it contain other functions then a vertical circulation (stairs and elevators)?

The 200 square meters is only indicative estimated for structure, elevators, stairs, mechanical and electrical services that serve the tower.

Please send us, in DWG or PDF/JPEG format, the five longitudinal stratigraphic-sections of the site, as specified in item #6 of the Geo-technical soil report, appendix A of the Project Brief.

Unfortunately, we do not have this information.

Are the technical services in singular pavilion or linked at the others?

It is up to the designer to combine the technical service in a singular pavilion or link it to others according to his/her design concept and philosophy.

What kind are the interactive collections and temporary?

Currently, we do not have a collection. The collection will be developed incrementally.

Which are the criteria for build in the underground?

One floor is allowed to be built underground with the same footprint of the ground floor.

Will we be forfeited if we were not to adhere to certain 'design guidelines' which are more stringent than the provided 'structural conditions and regulations' in the appendix page 70?

Please adhere to the building codes and regulations.

It is stated that there is no max building height requirements except for 3 floors and the final height can be negotiated. The height of the observation deck is recommended at 45m. Can we place an observation deck above the 45m as long as we can justify its placement and suggest that this be negotiated?

The observation tower should not be more that 45 meters.

There is a conflict in matching and dimensions of the site boundary between site coordinates on page 74 and site Topography on pages 76 and 89, Kindly determine the approved one.

Please use the provided cad file.

kindly check and confirm the location of Road 1 (AlFauom - AlWahat RD.) according to the site in the CAD File in the below e-mail, which is conflict with Arial and Google map.

Please use the provided cad file.

Could we increase some part of the program in the 11 floor of the tower like administration or an other part of the SC program? Or the tower is only for the Observatory program.

The tower is only for observatory functions. Other functions can be added in case they will add to the function of the observatory tower and the project as a whole.

Could we imagine the loading area for truck in the basement? Otherwise if the loading must be on Ground floor, could we use a service lift to serve a service basement area?

Loading area can be in the basement or in ground level according to the designer's concept.

Could we use car park Lift system to save space and cost or we must have ramp access for the cars if the car park is in the basement.

Car lift systems are rarely used in Egypt due to practicality, operation cost and maintenance .

Could we create a solar roof on their area?

Yes.

Confirming that the 37,498.44 sqm represent the maximum foot print of the project and not the Maximum built up area as it contradicts with the Total built up area listed in point 2.2.2 which is equal to 65,000 sqm

The 37498 is the maximum footprint of the project (30% of the site area) and not the maximum built up area.

Refer to point 2.2.1.1- b: interactive exhibition, does the requested concept of presenting historic development of ideas, applications in daily life, scientific figures need to be tackled architecturally, or presented digitally through a descriptive content on digital screens.

It is up to the designer to decide this.

Refer to point 2.2.2: facilities list and estimated areas, phasing concept is understood, however do you have a priority for certain buildings to be phased earlier, it's not clear in the brief

As indicated in page 32. There is no priority for phasing but the Observatory Tower should be in phase 1. Each phase should operate independently until other phases are implemented.

Refer to point 2.5.1: planning considerations, up to which direction is the expansion plan?

It is up to the designer to decide this.

Do you plan on having a collective services area including the hvac machines, electricity...etc if yes is it from the total built up stated?

Yes.

What are the expected elements of the "central core services" in phase 1 ?

The core means the service and technical area as described in page 22, as well as any central and shared facilities that the designer see to be better included in the core area.

Is there a possibility of having a direct access to the site from Al Wahat Road (Road 01) ?

There is no link between road number 4 and the Wahat Road. The existing master plan shows only access roads from the North side of the site. However, it is up to the competitor to propose new

access roads that would serve better his/her concept and design. The proposal shall be later negotiated with authorities according to project concept.

What is the planned/expected land use for the vacant strip bounded by Road 1 and Road 4 ?

The land is planned to be a buffer zone and it is not owned by the Science City.

In case natural ventilation and daylight is maintained, are we allowed to introduce any activity at underground levels. e.g - 6.00 m ?

According to the building codes only one floor of basement is allowed. its level has to be studied by the designer in terms of practicality, cost and other technical consideration.

Is it allowed to perform excavations or no? and if yes, what is the maximum allowed depth?

It is up to the designer to decide this, however according to the building codes only one floor of basement is allowed. its level has to be studied by the designer in terms of practicality, cost and other technical consideration.

Is it allowed to raise the buildings above ground level and to count the allowed height from the raised point?

No.

As per the competition brief, the height is mentioned in regulations section as follows: (ground floor + first + second), we want to know the maximum allowed height per each floor and the total allowed height in meters.

Even though maximum building height could reach up to three floors including the ground floor. Although the height is determined by number of floors, total height in meters might be negotiated with authorities according to project concept. The zero level of the elevations is to be measured from the midpoint for each elevation separately. The height for each floor should be related to the function of the space. The height of the building should not exceed 15 meter.

What is the timeframe of the different construction phases?

It is too early to respond to this point.

What are the 8 departments of the research center?

The eight departments of the research center will comprise; Flora Collection, Fauna Collection, Geological Collection, Anthropological Collection, Microbiological Collection, Archeo-botanical Collection, Archeo-zoological, Sediments and Soil Collection.

Is the admission to the Science City charged with a fee?

Yes.

Which are the elements that compose the permanent collection?

Currently, we do not have a collection. The collection will be developed incrementally.

Is the admission to the park of the Science City charged with a fee?

Yes.

Is the Science City going to be built?

Yes.

Phase 1, 'The Campus I & Central Core', what is central core of services? Is it the Orientation and Information hall?

No.

The Exhibition area will contain information nodes which allow visitors to navigate through the eight main collections sections data base. What are the eight main collections?

The Collections Exhibitions will include; Geology, Natural History, Plants, Animals, Paleontology, Anthropology, the remaining two other collections might be decided upon availability and/or need.

As the aim of the project is to foster scientific culture and knowledge to the public, which public, all people of Egypt, or only educated people?

Audience of the Science City will include children of school age, teenager and adults. page: 17

Is the research centre only related to the exhibitions or it also has educational use?

Both.

Could the Technical & services Unit be distributed in the other 7 units or it has to be an independent building?

The technical and service area may serve a single building or a group of buildings (campuses). Detail of the service area and its connection to buildings is stated in pages 22 and 32 respectively.

Who is funding the project?

It is too early to respond to this point.

About the scale of the Master plan, it is said that it must be in scale 1:750, but in that scale the Master plan couldn't be positioned in the A1 board, with proper geographical direction (the North is directed to the top of the board), it must be rotated and also it does not include enough information

about the surrounding area. What can we do with this? Can we use a different scale for the Master plan? Or we just can make an additional master plan in different scale, rather than this in 1:750?

The master plan can be drawn on more than one board.

Is it possible, for the parking area, to be placed underground, or at least a part of it?

Yes.

Please confirm that area mentioned in page 11 as the maximum built-up area (37,498.44 sqm)

The foot print of the building should not exceed 37,498.44 sqm

Considering the phasing of the SC into 3 interactive campuses mentioned in page 32, which components will be categorized together in each campus, or it is left to the Competitor's decision?

It is left to the designer, but as indicated in page 32. There is no priority for phasing but the observatory tower should be in phase 1. And each phase should operate independently until other phases are implemented.

Is there a certain preference for any of the 8 components to be joined in early phases of construction/ campus 1, or it is left to the Competitor's decision?

It is left to the designer, but As indicated in page 32. There is no priority for phasing but the observatory tower should be in phase 1. And each phase should operate independently until other phases are implemented.

Concerning the program provided in the pages 23 &24, is there a specific preference for any of the components/spaces to be located in any of the floors, or it is left to the Competitor's decision?

It is left to the designer.

How detailed should be the conceptual plans for a lot of technical, service spaces and circulation types were illustrated in the "Orientation and Spatial Relation Diagrams" section as well as the "Planning and Design Considerations" section?

The level of detail of the plans is left for the designer.

Should the A4 Portfolio be submitted in copies?

The size of the report is A3. 5 copies are requested

Does the A4 Portfolio only represent a smaller-size copy of the A3 Report?

There is no A4 portfolio. Only 5 copies of the report with a size A3

Should the List of Content for the package have a certain format?

No.

In page 19 it was stated that one of the shared facilities is a shared laboratory, considering that there will be different scientific fields would it be possible to design separate labs for each field based on the lab requirements of each scientific field since each field has different requirement criteria?

Each department will have its own laboratory (s). In addition to a shared laboratory.

On page 34 it was stated that it is required to design an interactive exhibition hall for the human body with specifics on how the walkthrough will start from the ear and enter the body and so on. Is that journey exactly as it was described mandatory or can it be designed in a different way?

It is not mandatory. It is set to be an example.

Is it possible that one team delivers two different designs and/or concept?

No.

From our experiences, we know such regulation for private buildings/ developers. But the public communities/ facilities shall be depends on what the project needs from areas and height. So the question must we work within the provided regulations

Yes.

The 30% B.U.A is low.

Even if we know the B.U.A means the built of area of three floors. So the plot coverage will be 10% of total site area?

The figure 10% of Foot Print is so low and that mean the most of Area will be the landscape and car parking. Isn't It?

No. According to the building codes p. 69, the footprint of the buildings is 30% of the land area.

Could you please provide us the Master Plan of 6th October City?

We suggest the official web site of the "New Urban Community Authorities": which is affiliated with the "Ministry of Housing, Infrastructure and New Communities"

http://www.newcities.gov.eg/know_cities/October/default.aspx where relevant information may be found.

Could you please provide us the available of earthquake hazards? Or any seismic data.

We do not have this information.

Could you please provide us the Master Plan of Greater Cairo?

We do not have this information.

Can we add more other components for the main proposed components?

Yes.

Are the Utilities (Water/Electrical/ Sewage) plants required within the site area?
And should Master Plan show that?

Utilities are supplied to the site as per the map page 89

Is the proposed height for the observation tower (45m) enough to make it a landmark?
Can we raise it more than 45m if required?

No.

And which campus is important than others?

Please refer to points listed in page 32

Do you want LEED certified architects should participate in the competition project to adopt the result as a green & smart building?

It is up to the competitor to include any specialized person to his team to have the best design.

Would you want a structural design concept?

It is up to the competitor to provide any information to better illustrate the of his/her concept .

Is it acceptable for designing each campus of the three to be in many separate buildings?

It is up to the competitor to decide this.

Are we committed to the same design of the existing fence of the land borders?

It is up to the competitor to either keep the existing fence or propose a new one.

Verify Areas/ zones to be accessed on different timing, for example after hour's activities (to include but not limited the auditorium, the observatory, the temporary exhibition...others?)

The conference center and the science park can be used after hours in case of special events and ceremonies.

Is it required to have all surface parking or a multistory shall be considered (can be above or underground).

The number of cars is indicative. It is up to the designer to use either ground floor or multi story parking.

Can we put the administration and technical service department be on separate group of building within the site plan connected to the main structure through the landscape

It is up to the designer to decide this according to his/her design concept.

Can we utilize natural light on the collection and the interactive exhibition as well as collection storage area?

It is up to the designer to decide this according to his/her design concept.

For the orientation and information hall, can we have multiple entries one main and another secondary?

It is up to the designer to decide this according to his/her design concept.

Shall the shops be movable kiosks or permanent structures?

It is up to the designer to decide this according to his/her design concept.

For the HD Theater, what shall be the format of the media projected on the screen of the theater is it HD? shall it be (HD with aspect ratio of 16:9) or is it 2K or 4k or is it 70mm film(Imax native format known as best industry quality which can be projected on straight screen with 3d capabilities and on part dome without 3d capabilities)....or others?

The format is HD, IMAX projection on straight screen.

How many offices needed for the scientists? Are they permanent offices or temporary and rotating ones?

About 20 permanent offices.

For the conference center, what are the back stage utilities needed for the auditorium and the type of shows to be held on it?

The type of shows is not determined yet.

For lecture rooms does it require back stage preparation rooms?

No.

Can meeting, lectures and multipurpose halls share facilities with the auditorium like restrooms or it as to have its own separate facilities?

Yes.

For the collection exhibition, what are the space requirement for each of the 6 collection exhibitions (min space dimensions (width X length X height))?

It is up to the designer to decide this according to his/her design concept.

For the interactive exhibition, what is the percentage of the kids' world out of the whole area?

It is up to the designer to decide this according to his/her design concept.

Should we connect the interactive exhibition with the collection exhibition directly as the presented on the spatial relation diagrams? Does directly connected means through a lobby/corridor or a by integrating both circulations together?

The competitor has the freedom to propose the two spaces either as one unique exhibition or two separate or connected exhibitions.

The breakdown of the observatory area usage, is it just reception and core at ground floor, what is the use of the first floor then.

Components of the tower are listed in page 19. The ground and first floors contains the entrance, reception area, information desk and administration and media room as well as the core of elevators and services.

On the observation floors the whole 1000 sqm each used for observation or we can use 2 as recreation facilities something like full dining restaurant and lower floor for kitchen facilities that serve it. And the roof for observation deck.

It is up to the designer to decide this according to his/her design concept.

On the Preservation of Anonymity section, is it true that we are the one who write and choose our identification code? Or there is already our identification code emailed to us when we registered? Because we have not receive any email regarding the code.

No codes will be sent to competitors.

The competitor should choose his/her identification code as indicated in page 44.

Please clarify the 3 phases ratios, how can we deal with the science park as it can't be included in any of the first or second or third phase as the ratios are 40%, 30% &30% ??

The phasing ratios are for buildings only.

What is car park requirements?

Please refer to page 33 for car parking requirements.

Would a multistory car park would count in the permissible plot coverage?

Yes.

Does shading structures considered part of the plot site coverage?

Tents and pergolas and the like are not part of the site coverage.

Should the total area of the "central core of services" be built in the beginning of the project or it can be divided into phases?

It is up to the designer to decide this according to his/her design concept.

Does the area of the "central core of service" included in the 40% of the first phase or a part of it?

Yes.

Does the "setbacks" area can be used as a part of the service road surrounding the project?

Yes.

The 4 meter setbacks (pp 33), could it be used for security rooms, electric rooms or tanks?

The setbacks should be clear of any buildings.

The parking area is very huge as it's required to host not less than 2300 vehicles, can it be divided into floors or use a basement floor to host some of these vehicles?

The number of cars is indicative. The parking can be divided between basement and the site.

Does the science park undergo the rule of the phases or it can be done in the beginning of the project?

The Science Park is not part of the phasing of the project.

The area of some elements is very huge as it exceeds the design standards for (area per person) for example the planetarium is 1000 m² for 200 person so the area of each person is 5 m² which is very big in addition to the 30% additional for functional area, So I want to understand if this areas include the services for each elements or the services will be added to this areas?

The areas are indicative. For the planetarium, the 1000 m² includes: the reception, lounge gift shop, café, ticket office, cloakroom, offices, mechanical room, storage area etc...and any other facility the designer sees that will enhance the function of the planetarium.

About the basement, can it be used easily or it should be used in a minimum way?

It is up to the designer to decide this. According to the building codes, only one basement is allowed.

Can we build the 3 floors for buildings under ground as the soil report allow to build at -16 m level!

According to the building codes, only one basement is allowed.

Is the current road plan around the Science City land lot final or can possibly be modified?
The existing master plan shows only access roads from the North side of the site. However, it is up to the competitor to propose new access roads that would serve better his/her concept and design. The proposal might be later negotiated with authorities according to project concept.

Where is the industrial zone exactly?

The industrial zone of 6th of October city can be found at the official web site of the “New Urban Community Authorities”: which is affiliated to the “Ministry of Housing, Infrastructure and New Communities” http://www.newcities.gov.eg/know_cities/October/default.aspx

Is there a clear vision for the budget set for this project? Does it allow first class and real advanced technologies or it is limited? While we will make a keen attempt to use local material wherever possible, we need to know if we can involve materials and elements that are imported. So, can we have a tentative idea about the available budget if possible?

The designer can use any building material that is compatible with the design concept, however cost effectiveness is part of the evaluation criteria as in page 45.

Can our design consider providing a mobility means or systems in the premises and among the buildings?

It is up to the designer to decide this.

Could we have underground parking under the park that would not be considered part of the 30% allowed for the built-up area?

The designer can use parking under the park. But this will be calculated from the footprint of the construction. Moreover, designer must consider the cost and feasibility of placing parking under the park in terms of technical issues as water proofing for example.

Accessibility to the physically challenged in the design is an important criteria in most projects. This consideration may at times challenge the budget. Is this an important consideration in this project? Do we consider it in landscape and inside buildings?

Yes.

If there needs to be any modification in design at any stage after the competition, and before execution, will the organizer/client/bibliotheca Alexandrina get back to the winning designer(s)?

Please refer to rules in page 41.

We understood that what is required in this competition is a conceptual design and a master plan, not a detailed design for all buildings. Is that correct? How much details are expected/how far can we go into the details of the floor plans for this competition?

The level of detail of the plans is left for the designer.

If this is only a conceptual design and master plan stage, we assume that after the winners are announced there could be a more elaborate design stage. Would that be the case? What are the conditions at that stage?

Please refer to rules in page 41.

Could the design be modified in the execution phase? Will the winning designer(s) be involved?

Please refer to rules in page 41.

Kindly advise on tower segments, how binding are the proposed tower segments as per Terms of reference.

The number of floor and areas of the tower are indicative.

Possibility of adding functions to the tower, is it possible to add other functions to the tower apart from the ones mentioned in the terms of reference

Any added function should be justified and should add to the overall function of the observatory tower and the project as a whole.

Relation between the research departments with the permanent collection acquisition, is there a direct relation between the 8 departments and the permanent collections.

There should be a direct relation between the research department and the collection

Please clarify whether there are any special considerations for the different departments?

For the time being, no.

The possibility of retrofitting surrounding elevations

No.

Is it considered permissible to propose an extension of the building out of the site boundaries , Given that there is a strongly justifiable reason to do so.

No.

Will it be possible that the esteemed committee provide an object list for the items to be exhibited, Where an object list is not possible will it be possible to provide more information concerning the scale of items on exhibit.

Currently, there is no collection. The collection will be developed incrementally.

What is the proposed layout of the 8 panels required in final submission?

It is up the competitor to decide this.

If shaded areas are constructed to connect buildings, would it be considered from the 80% built up area?

No as long as they are made of lightweight structures as tents or pergolas.

Concerning buildings' height, it was mentioned that the maximum building height could reach up to three floors including the ground floor; what is the maximum height per floor? What is the maximum number of basements to be built? Could we add a mezzanine (as a partial floor) to the three floors (Ground + Mezzanine + First + Second)?

A mezzanine is considered as one of the floors.

What is the relationship of the research center to the other 7 components of the science city? The area dedicated to the library is considered too small for a Science City, is it possible to enlarge it?

As indicated in page 23 areas are indicative.

What is the relationship of the Observation Tower to the other 7 components of the science city?

The observation tower should be connected to the other components of the science city.

Concerning the Technical and Service Units, could you please clarify what is meant by "Direct, uninterrupted flow of works, without ramps, turns or steps"?

The proposed design of this area should facilitate the flow of work and ease of movement of staff and materials.

Regarding the project phasing approach, can we neglect one or more of the 8 project components in the first phase (40% of the total built-up area)?

It is up to the designer to select components in each phase. Phasing is described in page 32.

Are there any masterpieces will be exhibited like for example: Ramesis II statue in Grand Egyptian museum?

No.

Will they always be related to the Egyptian history of science?

Yes.

Regarding the project program; is it possible to add new items to the project program?

Yes. Any added function should be justified and should add to the overall function of the observatory tower and the project as a whole.

Regarding the footprint and building form; are the shaded areas (areas in outdoor but shaded by the building form or with some structure) included in the footprint calculations ?

Areas that is shaded with lightweight structures like pergolas and tents are not included in the footprint.

Is it possible to outsource half of the parking in shaded area in a public parking near the site?

The buffer zone is currently not part of the Science City land lot. However the proposal may be negotiated with authorities according to project concept in a later stage.

If not, how we can create the 47 500 m² in regard of the program's phasing?

The number of cars is indicative. The parking can be divided between basement and on the site.

The exist entrances in the site may be changed or we have to make our design suitable with the exist place..?

It is up to the designer to decide the suitable entrance to the site that best serves his/her design concept.

Contour levels not matched with the map. Would you clarify this point for us?

Contour lines are provided in page 75

What is the allowed maximum height for the observatory tower in meter?

45 meters.

For any proposed outdoor shading structures; will it be considered as part of the built-up area (part of the 30%) or not?

No. Previously answered

Can a physical model be submitted in addition to the deliverables mentioned in page 49 and 50?

No.

For Egyptian architects; can the proof of practicing architecture be a copy of the engineering graduation degree certificate (Bachelor or Master), or a copy of the Egyptian architects Syndicate ID?

Only, a copy of Egyptian Architects Syndicate.

Which components need to be consider for the future expansion? How much area needed for future expansion?

Mainly the exhibition collection and the research center. The expansion area is not yet decided now. But it will be limited to the maximum footprint and maximum area of all possible floors that can be constructed in the site.

Does the 400 un-shaded car parking spaces used for visitors only? Or it can be shared by the staffs and researchers? If so, what are the divided percentages between visitors, staffs, researchers?

The number of car parking spaces is indicative. The designer can propose the percentages of parking among researchers, visitors and staff.

What is the percentage of public and private transportations are estimated to be using by the visitors, staffs, and researchers?

Unfortunately, we do not have this information.

Does the project need fence and tickets office at the entrance?

Yes.

Which areas need to be charged to visitors?

Exhibitions, planetarium, observatory tower, conference center and science park (in certain events)

How many hours/day the Science city will be operate for visitors, staffs, and researchers?

The operation hours are not yet decided but it can be 9am-5pm for staff 10am-7pm for visitors.

The fact of having the "core" inside the campuses brings a very clear structure of area, yet it's not clear about sq.m. inside the science facilities(biology, chemistry etc.) does the area equally splits among them?

Yes.

Is there any need of having residential area on the territory of Science City for scientists and visiting professors)?

No.

How many copies is needed for; the signed acceptance form of Promoter's terms,
As indicated in page 51: Original and copy.

The identification code form,
As indicated in page 51: Original and copy.

Each official document for practicing architecture?
As indicated in page 51: Copy.

Do the official documents need to verify for an apostille after translating from Turkish to English?
No. A copy of the original and an English translation signed by the competitor. As in page 42

If the official documents should validate for an apostille, do we have to send the original versions'?'
No. validation or originals are required.

Regarding the design documents, What is the content of the portfolio of the report?
The report describes the planning and design concepts, description of the project, analysis, studies, relevant information and reduced drawings in A3 format

What is the minimum number of pages for the portfolio?
It is left to the competitor to decide this. but the number for sheets in the reports should not exceed 20 sheets, excluding the drawing panels of the project.

Could you please confirm that the portfolio and the design report are the same documents?
Yes.

It seems that there is a confusion between the definitions of "FAR" and "BUA_built up area" (p. 11). Could you please clarify & confirm this; what is FAR and what is BUA required? Please define "floor area" and "building area"?

In the context of the competition:

1 The maximum footprint is 30% of the site area which is 37,484 m²

2 The built up area is the sum of all areas of all components of the science city (85.000 m²)

3 Maximum built up area (total floor area) is the sum of the footprint area multiplied by the number of floors starting from the ground floor and above it (basement is not included). 37,484 m² x 3 = 112495 m² approximately.

Is there any other design constraints except from the building regulations stated in the project brief?

No.

There is no infrastructure scenario within the competition brief shared with us; the program of the Science City Project requires a comprehensive infrastructure master planning (all utilities, MEP, Waste Management Systems, security, data, etc). Could you please share the relevant information for the site (if exists)?

Currently we do not have this information. But infrastructure issues will be discussed in later phases of the project.

Transportation to the project site is of high prominence for planning & design. If exists, could you please share the planned transportation scenario with us? Is there any public transportation planned?

We do not have this information right now.

Could you please inform us about the project budget; is there a target budget that we should consider while designing?

Please refer to point 7 of item 3.1.15 page 45 for cost effectiveness which is one of the evaluation criteria.

The schedule; what is the target completion date of construction for this project?

It is too early to discuss this point.

The delivery method of the Science City Project; what is the method of Client will be to deliver the project?

It is too early to discuss this point.

Construction; will the winning project would be constructed?

It is too early to discuss this point.

Do you expect from us to submit engineering reports along with our architectural design proposal including; MEP, Structure, Waste Management, Infrastructure, Transportation Disciplines?

The competitor can submit any data that support his design concept.

What type of agreement would be signed after the competition (e.g. FIDIC) between the Winner and the Promoter?

It is too early to discuss this point.

Is it expected to make a presentation after the submission?

No.

At 1.2 site area, you mentioned that the maximum built up area = 37498.44 m², and estimated required floor area is 85.000 m².

We think that the built up area means maximum floor area = 37498.44 m², and that should mean that the built up area for (3) floors should not exceed $(37498.44 \times 3) = 112495.32$ m².

Which is more than the 85000 m² built up area that we need.

Or we can say that maximum floor area is 37498.44 m² and required built up area is 85.000 m²

Are we understanding right?

In the context of the competition:

1 The maximum footprint is 30% of the site area which is 37,484 m²

2 The built up area is the sum of all areas of all components of the science city (85.000 m²)

3 Maximum built up area (total floor area) is the sum of the footprint area multiplied by the number of floors starting from the ground floor and above it (basement is not included). $37,484 \text{ m}^2 \times 3 = 112495 \text{ m}^2$ approximately.

As far as the buildings' high is concerned, we were wondering if in case of pilotis/ covered area, we are allowed to add an additional floor.

The building codes limit the height to only ground and two floors. Competitors are not allowed to add an extra floor.

Is there any specific regulation about the division of the parking area into the vehicles of the employees and the vehicles of the visitors?

The number of cars estimated for employees is not available, the designer can estimate this number according to the number of employees which is estimated to be around 450 employees.

There are some pages in the initial draft that you sent us that are not translated in English. These pages are 66/67/69/72/74.

Please find attached drawings at the end of this document.

There is a conflict in the project areas, As in the project brief (page 11); the total built up area is 37,498 m², although in page 24 it was mentioned that the total built up area is 85,000 m². Kindly confirm the required BUA for the Project.

In the context of the competition:

1 The maximum footprint is 30% of the site area which is 37,484 m²

2 The built up area is the sum of all areas of all components of the science city (85.000 m²)

3 Maximum built up area (total floor area) is the sum of the footprint area multiplied by the number of floors starting from the ground floor and above it (basement is not included). 37,484 m² x 3 = 112495 m² approximately.

What is the deferent between total built up area (65000m²) , total area (85000 m²) ? in page 24 and the estimated required floor area (85000 m²) in page 11??

1 - 65000 m² is the sum area of all components of the project.

2 - 85000 m² is the sum of all components of the project plus 30 % for circulation and services .

3 - Estimated required floor area is the same as 85000 m² (point 2 above)

Regarding the required phasing strategy is it recommended for each department to be flexible for growing or we will be considered only for whole project main elements?

It is up to the designer to decide this. the project should have the flexibility to grow and expand.

What is the level of detailing in plans and sections?

It is up to the competitor to provide the level of detail that best illustrate his/her design concept

Will a fully detailed space program be submitted with the design package?

It is up to the designer to decide this.

We need the approved blueprint to Determination the setback according to next sentence in page 71 :

Recesses/setbacks: the recesses on the sides, front, and back should be executed according to the approved blueprint

The blueprint refers to the building code of the area. The building code states that setbacks are not less than 4 m from the site boundaries. Any construction in the setback area is not permitted.

However, after verification of the rooms area, we have noticed that the basic functions of the project which are the admin & the technical services components constitute approximately 25% of the floors area. Therefore, and in order to have more flexibility in our concept design, we suggest to split freely the elements of the *Technical Services* components and distribute them properly on the 3 campuses. Please confirm if this solution is acceptable. And confirm if it can be also applicable to the *Exhibition Halls and Spaces and the Research Center*.

The phasing percentages are indicative. The designer can split the technical service area among phases of the project. But each phase has to operate independently until other phases are constructed.

Please confirm that you have no objection to integrate the *Central Administration* in Campus 3 considering that we have inserted a satellite administration in each campus.

This can be done, as long as the early phases of the project include administration and each phase can operate independently until other phases of the project are constructed.

Regarding the exhibition - we have general question about the exhibit area. You imagine an interactive narration about science using modern multimedia, or You see it more like islands of knowledge, separated from each other? Question is vital in order to create spaces with or without light. Projections require darkness.

Both types of exhibitions should be included in the proposal.

Technical and service units - can we place them underground? And if yes, do You have regulations in Egypt regarding min and max time being underground in artificial light for employees? For example in our country people cannot work longer than 4 hours in artificial light.

Technical and service units can be placed underground with proper ventilation and lighting.

Could You give us example of temporary exhibition You would like to invite?

We do not have this information at the moment.

What do You mean by High Definition theatre? Projecting on the ceiling, where people lay down and watch? IMAX type of screening room or just HD cinema? Question comes as different type of sitting and display is necessary to be designed. Also regarding resolution of High Definition - You mean HD, 4K, 8K?

The format is HD, IMAX projection on straight screen.

Do you expect samples of the exhibits to be presented in the project visualizations?

The designer can include in his/her visualization what is necessary to better present the design concept.

Could we move all the parking places from the outside to the underground area?

It is up to the designer to decide this. But some parking areas has to be on ground see page 33.

In the geological attachment we have found information that the maximum height of the building is 16 meters (3 floors in the terms and conditions document), except of the observation tower (45 meters). Can we surpass the maximum height (16m) in some parts of the building?

The paragraph refers to a description of a previously proposed building for the Science City. Competitors should adhere to the regulations and program specified in the Project Brief Document.

How much water is available for the science city buildings and the garden area? What is the pressure of that source? What are the electric power supply possibilities? Do You experience black outs in the are often? How long do they take?

Water and electricity are supplied form public lines located at the north of the site. The science city will have its own generators to run basic functions in case of blackouts of power failures.

Would You like us to present inner transport system for employees or handicapped people?

It is up to the designer to decide this according to his/her design concept.

Could we deliver presentation of the project in short animated presentation, besides regular prints?

Yes, it is up to the designer to decide this according to his/her design concept. Please refer to page 50 of the terms and conditions document.

Would You accept a combined solution of Planetarium to be High Definition Theatre? A lot of content movies and presentations in today's Planetariums are in fact High Definition Movies. Or would You prefer to have it separately?

The planetarium is different from the High definition theater. Even though, the planetarium can project HD Movies but it preferable to have it separate.

We would like to know if there is any data regarding the temperature of the soil, at the surface, and at 10 meters deep.

Unfortunately, we do not have this information.

It is mentioned in Terms and Condition that the science park should include water, so regarding to Egypt's position of water, is there any limitation for quantity of water?

No. it is up to the designer to decide the quantity of water to be used in the science park.

What is the content of the science park ?

The contents of the science park are described in page 18.

Contents of the Science Park are; natural elements, manmade elements, Egyptian interpretations, Egyptian landscape aspects.

Could the science park incorporate with the temporary exhibition and the interactive exhibition ?

Yes, it is up to the designer to decide this according to the design concept.

What is the function of the collection exhibition ?

The collection exhibition is the main attraction of the Science City. The details are described in pages 16 - 17.

What are the borders land margins?

The site is surrounded by two roads from the west and south sides and two neighbors from the north and east sides as indicated in page 89.

Could we use basement area with whole project site, or just under each building?

Under each building.

The outdoor exhibits will be an extension of the "Science City" indoor interactive exhibits" does that mean all aspects of interactive exhibition should be included in the science park ?

Not necessarily. The contents of the science park are described in page 18. Contents of the Science Park are; natural elements, manmade elements, Egyptian interpretations, Egyptian landscape aspects.

There is a junction on the corner of the (Road 1). South- East boundaries of Site road is connected to the road of Alfauom-Alwihat Road. Is this connection is existing or has been projected? Is this junction can be designed by the competitors or is restricted to be Planned by the competitors? pages of 66, 67

In reality, there is no junction at the south west corner of the site pages (66 and 67), however it is up to the competitor to propose new access roads that would serve better his/her concept and design. The proposal might be later negotiated with authorities according to project concept.

The terms of "floor area", "total floor area", "built-up area", "allowable construction area", "Floor Area Ratio" ... are being used in few cases changeably (e.g. in pages 11, 19, 72), we are therefore clarifying the following:

- a. Foot Print (FP) or Built-Up Area (BUA) is the area of the ground floor and which is a max of 30% of the total lot area.
- b. Total Floor Area (TFA) refers to area of all floors starting from the ground floor and above it (basement is not included).
- c. Floor Area Ratio (FAR) refers to the total floor area subdivided by the lot area (in the case of the current project it would be 0.9 ((0.3 * Lot area * 3 Floors) / Lot Area).

In the context of the competition:

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2 The built up area is the sum of all areas of all components of the science city (85.000 m²)

3 Maximum built up area (total floor area) is the sum of the footprint area multiplied by the number of floors starting from the ground floor and above it (basement is not included). 37,484 m² x 3 = 112495 m²

Is it accepted that the digital copy of the design report to be in Microsoft power-point format or it is obligatory to be in Microsoft word format?

For ease of future publication of the submissions of the competition it is preferred to be in Word format. Preferably in Times New Roman font in order not to miss any characters.

How to deal with any conflicts between the data given officially and what has been observed during the site visit? Would it be neglected or be taken in consideration like; fence and actual property line in documents, electricity room built in the deep corner of the land?

Please consider data given officially.

Given the envisaged importance of the development as a part of a triplet of nation 'Jewels' (including the Grand Egyptian museum and the Bibliotheca Alexandria), what is the reasoning behind the selection of the site?

The land was allocated to the Library of Alexandria by the government.

Are there any planning strategies for the immediate area that would include the site.

Unfortunately, we do not have these kind of information.

We suggest the official web site of the "New Urban Community Authorities": which is affiliated with the "Ministry of Housing, Infrastructure and New Communities"

http://www.newcities.gov.eg/know_cities/October/default.aspx where relevant information may be found.

Does the coverage of 30% include underground parking? I.e. if the parking is below ground (or partially below ground) does it count toward the BUA if it is landscaped at roof level for instance?

Yes. If the designer decides to place parking underground.

Are the lands north and south of the site dedicated to infrastructure? (referring to the road reserve along ALWAHAT St.)

No.

Are the areas referred to in the space program gross or net areas?

As indicated in page 24:

Net area is 65000 m²

Gross area is 85000 m² (net area + 30%) approximately.

What is defining the tower height at 45m. Are there any civil aviation regulations in relation to maximum allowable building heights? The building height is low in relation to surrounding buildings i.e. ground plus four levels on adjacent site, therefore can the proposed buildings exceed ground plus 2 in selected locations

No.

Do you have an organogram of the people who will be working in the Science City? Do you have a sense of the size of the organisation. Is there already a leadership structure in place, and can you provide more information on that.

About 450 employees will be working in the science city as indicated in page 11.

How many people will be working on each component, and how many visitors have you assumed for each component?

About 450 employees will be working in the science city and 1.5 million visitors yearly as in page 11.

Should we plan for residences for researches? Or do we assume that they will be commuting in on a daily basis.

No. they will commute on daily basis.

Have you counted for both visitors parking and staff parking. What is the breakdown between staff and visitor parking? Can you please elaborate on your assumptions made, as this will be needed for the phasing.

Number of staff is 450. The designer should determine how many car parking will be allocated for staff. Car parking will be included in the phasing.

Has a traffic study been undertaken, and how critical is it in this area?

No traffic study is conducted.

What is the budget for the exhibition spaces?

It is too early to discuss this point.

If appointed to progress the project would the contract include the development of the exhibitions and if so to what stage

It is too early to discuss this point.

If the competitors proof of practice is from a non english speaking country does it have to be translated to english? If yes, is the translation enough or does it have to be notarized by the egyptian consulate?

It is requested to provide a copy of the proof in practice and a translation in English. It should not be notarized by the Egyptian consulate.

Is a cost estimate for the constructin, per phase, required?

According to page 45: cost effectiveness of the proposal is required.

Will the data from the Annexes be provided in another document, format besides the Terms and Conditions Brief?

No.

When we calculate maximum area coverage do we include areas such as: balconies, terraces, basement extended further than the ground floor footprint, outdoor parking, pergolas?

Balconies, terraces are included in area coverage.

Outdoor parking and pergolas are not included in the footprint.

Basement should have the same area as the ground floor.

When we calculate green areas, do we include areas such as: uncovered outdoor terraces, pathways, water features, sand/earth elements, circulation and pedestrian paths?

These features are part of the open space.

For the calculation of maximum GFA (gross floor area) do we consider only Air-conditioned indoor areas?

Generally speaking, any calculated areas should include either air conditioned and not air conditioned areas.

Are we allowed to extend basement up to the plot boundaries and into the setbacks?

No. Basement should have the same area as the ground floor.

Are the 3 phases which include each Campus referring to the construction or to the design?

They refer to construction phases. But the phases should be illustrated in the design.

What is the percentage of points for the evaluation criteria? Is there an hierarchy?

The evaluation criteria are not put in hierarchy.

Please send all data like wind, temperature, light in hard copy it is easier for us to use not to start from zero

Please refer to climate data in page 83.

Will we calculate the area of spaces, the net area or included walls ?

Including walls.

We need to have maps in the appendices in high resolution or drawing files

Unfortunately, we do not have these maps in high res.

What, specifically, should the D. Technical Plant and Security item (in 2.2.1.7 Technical and Services Units) refer to?

Technical Plant and Security comprise all equipment used for the science city technical systems; HVAC, lighting, etc.

On page 14 under “2.2 Components of the project” What do you mean by phrase “The building could serve as an educational instrument as it exhibits building sciences”

It refers to how different sciences are developed and progressed.

On page 16 When you state that you want the orientation and information hall in core isn't that interfering with the competitors vision of coming up with his proposal of the design and the relationships between the components and their phase so was that just a reference that can be altered or a requirement that had to be implemented in the design?

The details are for reference.

On page 16 under "B. Interactive Exhibition" You mentioned before that this is a concept competitions so why did you put so much details on the needed special installation, Are those details a reference only or requirements to be presented clearly in the design?

Please refer to page 23. Point: 2.2.2 The designer must choose the level of detail that best presents the design concept.

On page 17 there was a suggestion that "long hikes to encompass the entire exhibit area is an advantage" Is that suggestion a reference only or a requirement to be presented clearly in the design?

Please refer to page 23. Point: 2.2.2

On page 17 under " C. Temporary Exhibition" Do we have to design how the temporary Exhibition can be divided to four exhibitions?

Yes.

You mentioned before that this is a concept competitions so why On page 17 under "2.3.1.2 Conference Center" did you put so much details like the internals classifications of the conference Center and dividing it to four meeting rooms and two lectures and then the option to divide the multi-purpose hall to three divisions, Are those details a reference only or requirements to be presented clearly in the design?

The details are for reference.

On page 19. You restrict the foot print of the tower to 3% of the allowable construction area which makes around 1,124.95 and then between brackets you cancel that criteria by saying "or according to the designer's perception" then as a competitor I am confused is that a just a reference or a guideline or a regulation issue or a competition requirement, and how abiding by that guideline would affect the judgment and the proposal to be built if selected as the winner, please clarify?

The footprint is for reference only. It is up to the designer to increase/decrease this area if this enhance his/her design concept and the overall function of the project.

You restrict the height of the tower to 45 meter high, would that height limitation be negotiated with the authorities and would the result of that negotiation be presented by the answers of our question as it would affect the design process specially that it is the land mark of the project?

The height for the observation tower is 45 m. This height will negotiated with the authorities.

On page 19 when you mentioned that “All departments will comprise a storage area which allow the collection to grow; What did you mean by “All departments” can you please clarify?

It means the 8 departments of the research center.

On page 20 and then on the diagram on page 21 it is mentioned that the administration departments will be associated with satellite administration units and then it was illustrated on the next page that the relation between the administration department and the satellite administration offices and in that you mentioned the other main component of the science city as if they are the satellite sub departments which is a bit confusing so my question is

whether you meant that each other main departments of the science city will have satellite sub administration departments associated with it and to be more clear

do you mean that each of the main department (exhibition halls, observatory tower, research center,.....etc) will have a satellite administrative department of (finance, information departments, ICTetc) and if so then why did you mention before that the administrative departments should be at the core?

Each department will have its own administration. The whole science city will have a central administration.

On page 22 under complimentary services you said you didn't want ramps, turn or steps what about other floors; is that a reference only or a requirement to be presented clearly in the design?

Only for service area.

On page 23 in the table “6. Observatory Tower” you mentioned the floors and some kind of classification but you didn't mention the function of all these floors and looking to that issue from another point of view I believe this Tower should be left without any detailed requirement for the competitor to have area for innovation so we need to know is the detailed presented here is a reference only or a requirement to be presented clearly in the design?

Please refer to page 23. Point: 2.2.2.

In page 34 when you gave the example of the human body interactive exhibition did you mean that it has to be implanted in our design as you presented it or it was just an example and can be excluded if the competitor vision dictated that?

Within the scope of the competition it is an example.

On the evaluation criteria from point 6 and 7 and the fact that this is a conceptual competition then these point I in the evaluation criteria might hold the competitor from innovation please clarify those points?

The competitor should illustrate construction system and materials used as well as cost effectiveness of the proposal.

On page 31 under “Challenges & Implementation Phases”

You mentioned that it’s the challenge of the competitor to select the integrated elements during each phase but then in the diagrams in pages from 26 to 29 you illustrated diagrams that a competitor might need to change to serve his concept I phasing the elements so are those diagrams just a reference that where the mentioned direct and indirect relationships between the components be changed or those relationships are a requirements and fulfilling them would affect the judgment.

The diagrams are for reference.

On page 32 it was mentioned that any element of the 8 components can be included or excluded in the any phase and that is left for the competitor then Is it left for the competitor to divide the 8 components as blocks between the three compasses or have units from the 8 components scattered along the three compasses and phases.

It is left to the designer to decide which component be in which phase.

if a competitor wanted to add height or floors to his design would disqualify his or her proposal and if it’s not a disqualifying issue can it cause the winning proposal not being built?

It is not allowed to add any additional floor.

On page 49 and 51 point 5 you mention two documents Signed Registration Form and Registration Confirmation and proof of payment, Which I believe are The same document

No, the Signed Registration Form is different than the Registration Confirmation and proof of payment.

1- The Signed Registration Form shall be filled out, signed by the applicant name and stamped by the firm, if existing. Then it will be included within the submission package.

2- The Registration Confirmation and proof of payment means that you must login to the website and print your registration information and payment transaction confirmation and then include the hard copy within the submission package

On page 50 you mentioned that we can deliver “Any other Material such as images, animation, Power points...etc” ; Where do we include any of those materials ? Are they additional supporting material or does they have to be included in A1 panels or the portfolio?

Images, animations or PowerPoint can be included in the DVD’s or flash memory.

In the terms and conditions, page 44, you have mentioned that the identification code should be on all documents even reports, our question is: in multi papers documents like reports do we have to put this code on every paper or just on the cover page?

The code can be on the cover only provided that the document is well binded.

Where is the indication of the main entrance in the documents provided? Shall we provide more than one entrance in the design proposal?

It is up to the designer to decide this according to the design concept.

Are there any specific orientation to submit the final panels of drawings?

Panels should be submitted in landscape format (please see diagram below) . Each panel should be numbered, in typing from the back in a box (as follows):

| |
|--------------------------|
| 1/total number of panels |
|--------------------------|

| | | | |
|-----|-----|-----|-----|
| 1/8 | 2/8 | 3/8 | 4/8 |
| 5/8 | 6/8 | 7/8 | 8/8 |

How many themes can be included in the interactive exhibition?

This information is not decided yet.

Can we receive a higher resolution photographic survey as well as not all the registered competitors had the opportunity to attend the site visits.

A set of photos will be sent to all competitors along with collective Q & A. (Please note that direction of photos on captions are approximate).

Download link

<https://we.tl/1EyadgAsvr>

Will be deleted on

23 June, 2016

المركز القومي للعلوم و التكنولوجيا
مدينة العلوم

National Center of Science and Technology
Science City

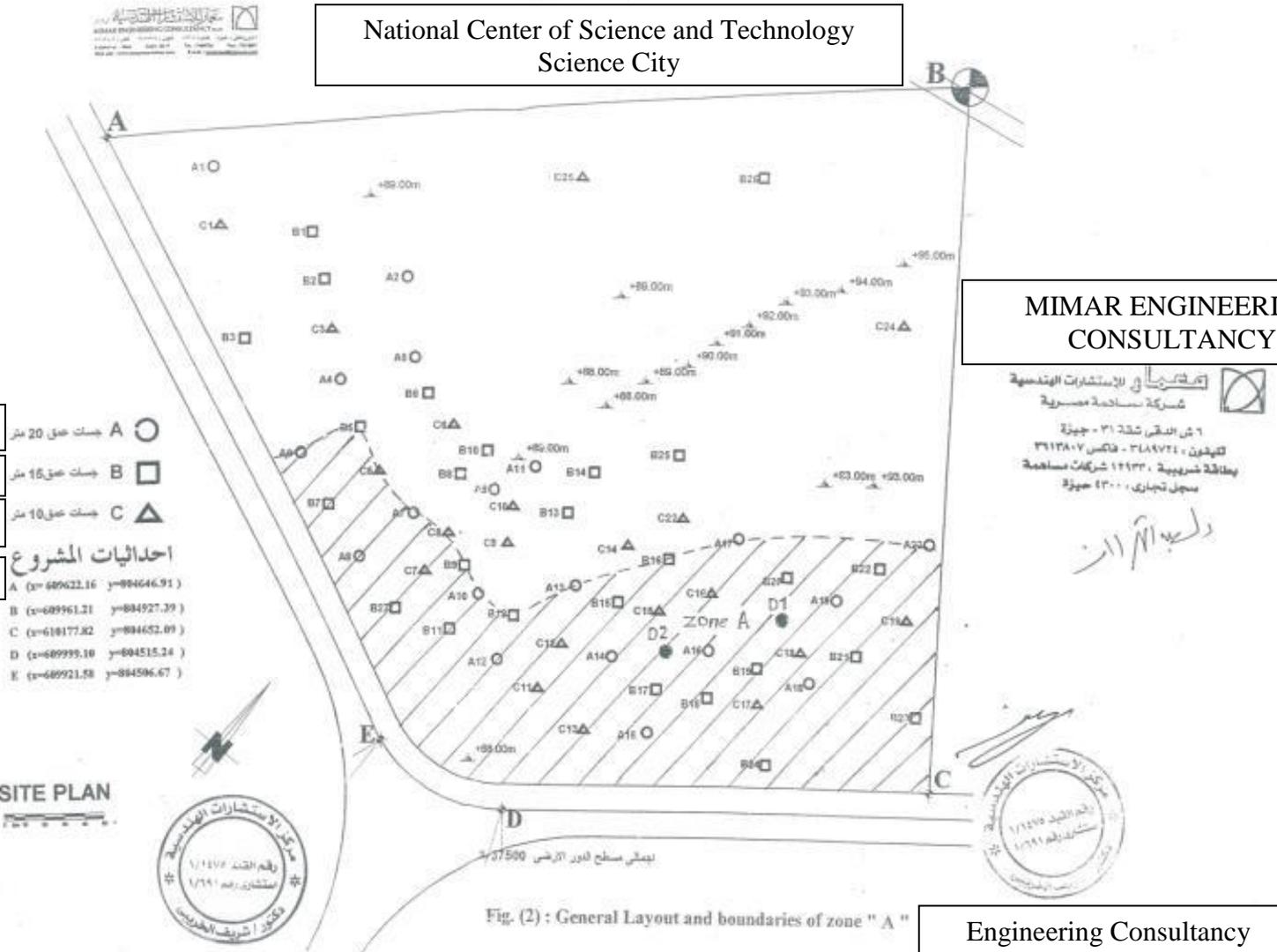
MIMAR ENGINEERING
CONSULTANCY

20 M depth Soil

15 M depth Soil

10 M depth Soil

Project Coordinates



Engineering Consultancy

Engineering Consultancy

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Science City



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CONSULTANCY

20 M depth Soil

15 M depth Soil

10 M depth Soil

- A ○ جسات عمق 20 متر
 - B □ جسات عمق 15 متر
 - C ▲ جسات عمق 10 متر
- احداثيات المشروع
- A (x=609622.16 y=804646.91)
 - B (x=609961.21 y=804927.39)
 - C (x=610177.82 y=804652.69)
 - D (x=609999.10 y=804515.24)
 - E (x=609921.58 y=804596.67)

مركز الاستشارات الهندسية
شركة مساهمة مصرية
٦ ش الدقي شقة ٣١ - جيزة
كودون : ٣٤٨٩٧٤١ - فاكس ٣٦١٣٨٠٧
بطاقة شريعية ١٢٩١٣٣ شركات مساهمة
سجل تجاري : ٤٣٠٠٠ حيلة

د. علي الدامر

Project Coordinates

SITE PLAN



Soil Boring sites/locations



Engineering Consultancy

Engineering Consultancy

Fig. (1) : General layout, location of boreholes and longitudinal stratigraphic sections.

