



MIMAR 11 · 1984

Hotels in Asia — 5-star Lifestyle Results of the second MIMAR Design Competition Competition for State Mosque in Baghdad

# Regenerative Approaches to Mosque Design

Competition for State Mosque, Baghdad

The competition for the new State Mosque in Baghdad, organised under the auspices of the Municipality and the Special Committee for the Mosque, is a major architectural event in the Muslim world. MIMAR is privileged and fortunate to have obtained the cooperation of key actors in this unique process - from Mr. Rifat Chadirji, architect and special consultant to the Mayoralty of Baghdad for all urban planning; Dr. George Dudley who aided in preparing the brief and was Secretary to the jury; and the six architects whose projects were retained and were presented to His Excellency, President Saddam Hussein during an international symposium in October 1983. In addition,

we have included a personal appreciation of the various mosque designs from award-winning French critic, Mr. Bernard Huet, who was an invited participant in the Baghdad symposium.

On the following pages we are happy to present — all to briefly — the remarkable expressions of creative talent which was brought to the task of designing this monumental building by Ricardo Bofill, Maath Alousi, Robert Venturi and Denise Scott Brown, Rasem Badran, Mohamed Makiya and Al-Madfai. The next phase of the project's development and the future role of the six consultant architects is to be decided by His Excellency, President Hussein in the near future.

# State Mosque, Baghdad

## Projects by

Venturi, Rauch, Scott Brown Taller de Arquitectura/ Ricardo Bofill Shubeilat, Badran, Kailani Makiya Associates Test/Maath Alousi Kahtan Al-Madfai

## Statement by the Competition Organisers

It is now accepted that the hallmark of recent construction activity in Baghdad has been the comprehensive approach to development. The majority of buildings proposed in the city are of an integrated nature, involving housing, offices, shopping, cultural and educational facilities, the conservation of traditional neighbourhoods, as well as individual structures. However, there are also two other factors in the process of physical planning which are of paramount importance. One is the policy adopted for upgrading the quality of development, both in terms of design and construction involving new materials and the latest building technology. The other is concerned with architectural style.

International as well as Iraqi designers, commissioned by the Mayoralty of Baghdad, have been made aware of the requirements of architectural style. Each development zone was integrated into a clearly defined design policy. Every designing architect was given enough freedom to interact within the set policy. Guides and manuals have been prepared for them, dealing with the required compatability for particular settings and design criteria in each zone. As a result of these efforts, designs prepared by the architects were congenial with the locality into which the buildings were situated, as well as being compatible with the overall traditional character of the whole city.

At the time the State Mosque project was initiated by the authorities in Baghdad, this design policy was already welldeveloped and was even taken further during the design programme of the building.

The religious and political importance of the Mosque, together with its. monumental scale, offered an opportunity to make a significant contribution to design. architectural Regardless of whether it would ever be achieved or not, this consideration became a major objective. In fact, the authorities considered the project as an important cultural event of the present time and one that would remain significant in the future. Therefore the architecture had to be handled with skill and sensitivity by those in the prequalification process as well as individual designers who took part. It became clear that the nation in general and the authorities in particular, looked forward to the contribution that the new

architecture would offer.

Iraq like many other nations, had a great architectural heritage. For the last five centuries, this heritage lay dormant. Moreover, the impact of a new life-style, based on technological development, produced unsatisfactory environmental and socio-economic conditions. Consequently, the pursuit of achieving an architectural realisation is likely to bridge the gap between architectural heritage and the impact of technology. The objective must be to adapt modern design, utilising architectural features from the past in order to create a contemporary regional architecture, worthy of the nation's heritage and aspirations for the future. This principle gained increasingly in importance in the course of formulating a strategy for the competition.

Rifat Chadirji Architea Counsellor to the Mayor of Baghdad January, 1984.

### Brief History of International Competition for the State Mosque for Baghdad, Iraq.

His Excellency, President Saddam Hussein, during the International Symposium held in Baghdad, Iraq, October 29-31, 1983, stated that the idea of constructing a central mosque in Baghdad and other mosques in the provinces of Iraq first emerged in 1979.

During the early spring of 1982, detailed study was given to the Programme Brief and to the site for this monumental undertaking. On April 25, 1982, Architect Rifat Chadirji, Counsellor to His Excellency, the Honorable Lord Mayor of Baghdad, Samir Abdul Wahab broached the possibility of a competition to the author of the following brief history of the International Competition which evolved.

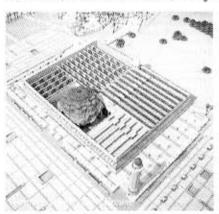
Concurrently a detailed study was made within the Ministry of Awqaf and Religious Affairs, in conjunction with the Amanat-Al-Assima (the Mayoralty of Baghdad), of the most appropriate size of the mosque complex and the programme of activities to be contained within it. Alternative maximum capacities of 15,000 to 40,000 worshippers for the most important Holy Days were analysed in all respects (performance of prayers and supporting ritual; ablution and entrance; exciting; acoustical and other systems' limitations; pedestrian, vehicular,

service access and parking; etc). After thorough evaluation a capacity of 30,000 worshippers was decided upon (including a female prayer area for 3000 persons; with an additional open air prayer area for 4000 persons).

The State Mosque is also to serve as a centre of religious teaching and research, with a large library, meeting rooms and accommodations for visiting religious officials.

As stated publicly later by His Excellency President Saddam Hussein, the Mosque must bear the heritage, not only of Baghdad, but of Iraq and the Islamic Nation as a whole and be open to all those from around the world who would gather and direct themselves to Allah.

In early July, 1982, a Committee on the State Mosque Competition was appointed by the President, on recommendation of the Mayor of Baghdad, consisting of: Chairman Rifat Chadirji, Counsellor, Amanat-Al-Assima; Dr. J.



Kettaneth, Ministry of Awqaf and Religious Affairs; Halim Witwit, Ministry of Public Works and Housing; Dr. Sabah Azzawi, Amanat-Al-Assima Design Department; George A. Dudley, F.A.I.A. Professional Advisor-Coordinator.

Telexes were sent to 22 architectural firms world-wide announcing the closed International State Mosque Competition and inviting their participation, and submission of qualifications. In September, the Selection Committee appointed by the Chairman of the Competition Committee met, evaluated the prequalifications and recommended the following competitors: 1) Maath Alousi - Test (Iraq); 2) Kahtan Al-Madfai (Iraq); 3) Makiya Associates (Iraq); 4) Venturi, Rauch and Scott-Brown (USA); 5) Minoru Takeyama (Japan); 6) Rasem Badran (Jordan); Ricardo Bofill (Spain) and Iraq Consult.

Dr. J. Kettanch and George Dudley

prepared the Competition Programme Brief which was distributed September 27 for the Competition to run from October 1 to the submission date of January 10, 1983. The "Statement of the Purpose and Objectives of the Competition" (Paragraph 9.0) was as follows:

"The creation of a State Mosque in the capital of the Republic of Iraq is a historic event. Its design and construction will be the highest expression in creative and physical terms of the religious, state and national beliefs and aspirations of the people of Iraq and their leadership.

"A State Friday Mosque is created to provide a worthy monumental frame and setting for the expression and practice of the beliefs and achievement of the aspirations of Islam. Throughout the Islamic World such settings, when they are being created, synthesize the history and heritage of Islam with the contemporary quality of life.

"The current resurgence in the city of Baghdad, harkens back to the Round City of Al-Mansour, capital of the Abbasid Empire, and is a time of such creative synthesis of the past and the present.

"This synthesis in the form of a mosque will become a living extension of the beliefs of Islam, entering the heritage and tradition of Islam life for future generations.

"Thus the heritage of historical settings and styles a well as contemporary design qualities must all be integral to the final architectural creation. The State Mosque is of such magnitude and importance that it should reflect in certain spaces to be selected by the competitor, and confined to those spaces, certain stylistic features from such Islamic countries as Egypt, Morocco, Syria, etc.

"The traditions and heritage of Islam are as rich and complex as human life itself. It is not the purpose of this programme to specify a set of requirements for the expression of such a wealth of physical, intellectual and spiritual needs and expectations. It is the intention, rather, that diverse and expert teams of architects and historians from both in and outside of Islam, and Iraq, will synthesize and propose architectural concepts and solutions reflecting a creative understanding of the needs and uses of a State Mosque in Baghdad, in Iraq, in Islam."

A full Mid-Point Briefing was held in Baghdad, November 20-22, which concluded with all questions submitted by the competitors being discussed and needed clarifications made.



The Jury selected for the Competition included: Rifat Chadirji, Chairman, Stefano Bianca, Professor Dogan Kuban. Mr. Dudley, Professional Advisor, served as Secretary of the Jury. The Jury studied the projects on February 1 and 2, and agreed on the following four basic Categories of Criteria:

#### 1) Functional

First, in its Religious and Liturgical Functions; and second, in its Educational and Social Activities; and third, in its Technical (Technological) Functioning, and relating to the cultural, urbanistic, and physical climates of Baghdad.

#### 2) Formal

First, in its "Religiosity" and the formality of its position as major mosque in the hierarchy of mosque in the nation; and second, in the formality and monumentality of its position as State Mosque — a national monument and one of the great centres of the Arab Nation.

#### 3) Cultural Continuity

As representing the continuity of the heritage of the architecture of Iraq, and corresponding with or compatible to the indigenous architecture of Iraq and the region, and the continuity of the educational, scholarly, and other cultural and social heritage.

#### 4) Architectural Quality

Representative of an architecture of great quality in all aspects.

There followed a discussion of "style". It was stated that "in the state of architecture in Iraq there does not exist a style as such (e.g. Renaissance). Even when there is reference to the Abassid period, if one approaches a "classical" heritage it would be to identify the particular "classical Abassid" period. On one hand, when the project is at such a large scale it cannot relate only to the immediate local indigenous architecture — there is such a huge history of Islam. But, at the same time, architects should look for a style that is not showy.

The results of the Jury's voting were the unanimous recommendation of Project No. 2 (Badran) as the First Place, with Project No. 4 (Bofill) and Project No. 7 (Alousi) named to be invited to give support to the winner. This result was subsequently made public at the end of the Symposium held in Baghdad October 29-30, 1983. Action was not taken on the recommendation of the Jury pending the Symposium, after which new recommendations were made based on consideration of the first Jury's recommendation, plus the further considerations developed in the Symposium and the final decision of the Sponsor.

An International Symposium to assess the submissions of the work of the Competitors, under the patronage of His Excellency, President Saddam Hussein, was conducted by the Amanat-Al-Assima in association with the Ministry of Awqaf and Religious Affairs. In addition to all those previously involved in the Competition, there were invited Islamic architectural historians, religious officials and philosophers, architects, poets and others appropriate to this assessment, making an attendance of over 300 participants. The two-day open discussion (with continuing inspection of the submissions) took place in the National Assembly and was attended through much of the deliberation by His Excellency the President, who heard all the seven competitors make half-hour presentations and spoke at length as to his own considerations of the importance and purposes of the State Mosque, and its relation to the Islamic Nation as a whole. A summary of the Symposium follows this Brief History.

#### Summary of Proceedings

During this critical and exciting period of Iraq, the participants to this International Symposium were all conscious of taking part in an important historical event. This event was the search for values and greatness in perhaps the most important symbol in this era of aspiration with deep beliefs in Islam.

As his Excellency President Saddam Hussein stated so eloquently: "We are in a part of the process that responds to and is an outcome of the past; is deeply in the middle of the present; and is an advanced part of the future."

It was felt that all participated fully, reflecting on e complex problems and on the opportunities. For the first time a competition and symposium drew strength from the gathering of international architects and many other experts.

His Excellency the President said that the contribution of the designers and others who took part in this process will be recognised. At the start of the Symposium, His Excellency Samir Abdul-Wahab, advised the participants to study the project of the State Mosque as a symbol in history. The main purpose of this Symposium was to study and to benefit from the observations of all those invited.

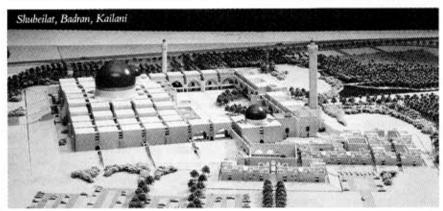
In the same spirit of study, it was proposed that a framework should be set up for continuous monitoring and that categories for further work should be suggested for the most important topics. It was also felt that by this means, the conclusions reached by all participants could be developed further for the decision makers' consideration.

A list of categories of consideration, based on the Symposium discussions, was proposed for further development of this important study. The list was not in and the World as a whole. In this way, all who pray there, will find the house of God they seek.

It was stated that prayer was the basic function of the Mosque. This was reinforced by many statements, but also stressed was the balance between social and cultural functions, as well as the teaching and community functions. An even more important balance was to be found and planned between the religious and spiritual and with the political or government aspects.

In his analogy with the strength of a tree, the President related the Present or Modern and the Traditional as a tree. The roots were the Past but without the branches and the leaves of the Future the tree would be without life. As Architect Venturi said: "precendent must be combined with invention."

It was envisaged that the mosque would be a work of *Distinguished* Architecture. This would be expressed by



any order of priority but recommended a sequence for developing the philosophical and design criteria from the general to the particular; from the physical to the spiritual.

It was proposed that the Mosque should be a "Great Symbol of development, shining all over the world, so every visitor will be excited to see it." It should-have symbolic significance for the State, representing Life & Hope, acting as the link between Religion and Life and as a centre of knowledge and culture. Chairman Madfai suggested it should be a symbol of the tradition and originality of the Arab World.

Another important contribution was the Scale, the very size of the Mosque, which was established by studies undertaken by the Ministry of Awqaf for a capacity of 30,000 people. His Excellency the President said that scale would be representative of Iraq, the Arab nations the impression, the mood and the impact, it would convey, to be remembered and to uplift the spirits of all.

George A. Dudley, F.A.I.A. Professional Advisor

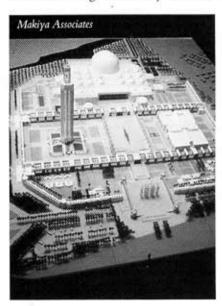
#### Reflections on the Projects ...

The essential question is that of constructing in 1983 a State mosque in Baghdad. This question entails three major problems, concerning: 1) The symbolic nature of the monument; 2) The typology of the religious edifice; 3) The formal language that is most appropriate.

The problem of the symbolic nature of the State mosque can be formulated immediately in a most obvious way. It is an exceptional monument that must take its roots in a tradition, and must symbolise the yearning of the Iraqi people towards a future of spiritual, morporate of the state of the symbolise the yearning of the Iraqi people towards a future of spiritual, morporate of the symbolise the yearning of the Iraqi people towards a future of spiritual, morporate of the symbolise the yearning of the Iraqi people towards a future of spiritual, morporate of the symbolic nature of

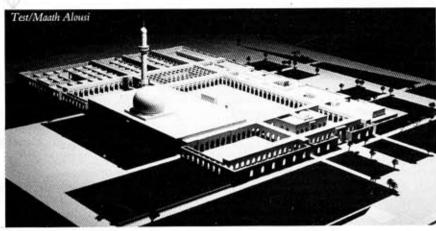
al, and material progress. Such a monument ought to be located at the centre of the nation, and offer itself as a sign of gathering together, of social consensus and national unity.

However, the monumental expression of such a programme presents several alternatives, or possibilities of choice, the results of which might conceivably be contradictory. The monumentality could be obtained first of all by the situation of the mosque in the city, and the relationships which it may have with the other monuments of that city. The singularity of the site, its isolation and its centrality are factors which lend monumentality to an architectural object. In the Arabo-Islamic tradition, the founders of capital cities used to place the Great Mosque at the geometric centre of the city and to have the urban design depend upon this centre. Thus, the Baghdad of al-Mansour might obviously be consi-



dered the archetype for this kind of strategy; and, the isolation introduced by the Abbasid Califs around the State Mosque reinforced its monumentality, but we should not be misled about the significance of this isolation. It is not a separation of the Mosque from the city itself; on the contrary, it signifies the equidistant positioning of the faithful around their most important symbol.

The site selected for this competition is vast, isolated, but separated from the city. Without wishing to place the State Mosque at the heart of Baghdad, it might have been possible to imagine that its location could reinforce one of the major existing poles of development in Greater Baghdad; or, that this mosque become



the starting point of a radical restructuring of the urban periphery. The actual site might certainly offer the opportunity for a great, monumental display, but the symbolic nature of the building, and even its functioning, might run the risk of being handicapped by distance and isolation from the most active areas of the city.

With regard to the intrinsically monumental quality of the building, it depends upon several objectives, which could be attained separately or as a group in order to obtain the maximum rhetorical effect. This latter feature, of saturation of effects, always involves a great risk—which might even go against the idea of a mosque in traditional Islamic thinking. One can attain monumentality simply through gigantic scale, i.e., height, covered surfaces, volume of the edifice. This is the only quality of the project by Mr. Makiya, and to a lesser extent, in the projects by Mr. Venturi and Mr. Bofill.

One can also attempt rhetorical pomposity by creating a system of axial composition, play a symmetry, and perspective effects to reinforce a strong visual hierarchy of volumes and their submission to a predominant centre. This is perceptible in the projects by Mr. Bofill and Mr Al-Madfai. But this baroque configuration of space is used very rarely in Arab tradition. Some of the competitors here are misled in making references to the Taj Mahal — which is a mausoleum, not a mosque, and was erected by a king in order to glorify, his own dynasty. This has nothing to do with Islam as a faith.

However, monumental singularity can also result from decorative accumulation, ornamental richness, and a sumptuous use of materials which tend towards a total semantic saturation of space. We find the use of these effects frequently in a particular tradition of Arabo-Islamic architecture in Iraq itself (at Kerbala, Kufa, or Baghdad) The projects by Mr. Makiya, by Mr. Venturi and by Mr Al-Madfai refer explicitly to that tradition but they tend to forget that Arab architecture keeps this colourful ornamental sumptuousness for enclosed spaces, only glimpsed from doorways, and for volumes which dominate the enclosure, such as minarets and cupolas.

Finally, there is one last means to attain monumentality without having recourse either to gigantic scale, axial rhetoric, or external decorative richness, and which is quite frequent in the grand tradition of Arab architecture. It is obtained by way of a juxtaposed richness of simple spaces, the multiplicity and the diversity of sequences, of discoveries, by the grandeur and geometric perfection of various volumes, the careful balance of materials for decoration and of colour. The antirhetorical character of the project by Mr. Badran, above all by Mr. Alousi, belong to this category.

2) The second problem raised by the construction of the State Mosque is that of either staying within the bounds of a typology which has been the same for centuries, or of possibly going beyond that typology. The typology for the mosque was established very early in the history of Islam. The conditions for individual and collective prayer, having been rigorously formulated by sacred texts, were probably determinant in creating a certain number of essential characteristics of a primitive type of mosque: the call to prayer, the purification rituals, the definition of the sacred enclosure, the orientation towards the Ka'ba, the egalitarian alignment of all the faithful parallel to the qibla and behind the Imam are so many elements containing the necessary geometric attributes for explaining the plan of the first mosques. But, they are inadequate for revealing not only certain necessary spaces, their form and their sequence (like the court, for example), but also the presence of certain symbolic elements like the cupola, the niche, or the arch. It is therefore around these spaces and these architectural elements that variations on the primitive type were developed, that can be observed in diverse Islamic cultures throughout history. Nevertheless, one might ask if it is possible to go even further, to do as modern architecture has so often done and force oneself to go beyond the traditional type, in order to invent another. Certainly not, because the essential function of a religious edifice is permanence, it cannot be 'modernised" since # is outside of time and of history. The mosque typology is much more than a spatial disposition because certain symbolic qualities of its spaces are implied by the very practices of the faithful.

Most of the competing projects have glorified the cupola as a symbol of the heavens and of God himself, whereas in the mosque-type (which is different from certain types of Christian churches) the cupola is never the dominant theme. given that one of the geometric properties of the cupola - its centralising force - contradicts the linear and parallel geometry of the faithful united in collective prayer facing the gibla. One of the projects, that by Mr. Makiya, goes so far in exploiting the dome that the qibla wall becomes transformed into a vast apse, which in fact runs contrary to the spirit of the Mosque typology.

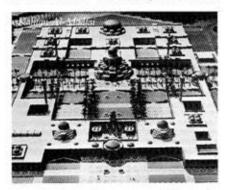
In my opinion, modernity therefore consists in a return to the essential aspects of a primitive typology for the prayer hall.

With regard to the courtyard which precedes the hall and which serves, as everyone knows, for prayer as well, it should retain a closed, autonomous, mineral quality, protected from the exterior; its geometry ought to be a reflection of that of the prayer hall.

Several of the present projects, either out of a desire to be modern or out of a misunderstanding of the problem, radically transform the idea of the court. Mr. Makiya make it into a vast, monumental square open to the winds. Mr. Venturi treats it like a public hall by covering it with a cupola, while Mr Al-Madfai gives it the aspect of a garden that serves as a transition between the prayer hall and surrounding buildings. Finally, and certainly more subtly, Mr. Badran preserves

the closed, geometric character of the court but weakens its autonomy, its isolation as a space unto itself, by giving it the function of a distribution area for annexes to the Mosque. Only Mr. Bofill and Mr. Alousi give back to the court its true character of a room open to the sky. a space conducive to prayer for the believer, but also designed for prayer. The places for ablutions which accompany and/or precede the court have vanished, or been assimilated into "modern sanitary facilities", in all of the projects except one (by Mr. Alousi) which is to say they have simply been relegated to the level of hygiene, or total insignificance. Paradoxically, however, many of the competitors have included ornamental pools, a symbolic incorporation of water, without realising that it is precisely in the cleansing act that the symbol retains its maximum effect. To be convinced of this, it should suffice to take a look at several superb examples of ablution places in mosques throughout the Islamic world, whether in Turkey, India, Yemen, Egypt or Morocco.

In addition, I would like to raise a problem which was widely debated, that of the minaret. Of course, the minaret



serves for the call to prayer and it is, by its high elevation, a symbol. In the ancient cities of Islam the minarets dominated all the other buildings around them, manifesting the hierarrchy of values upon which Islamic society was founded. Today Western modernism, with its materialistic values based on money and consumerism, has endowed these cities with buildings intended high-rise bureaucracy and for business, thereby destroying the visual imagery of spiritual values that predominated in the city. A question, then, comes to the fore: is it possible for two forms, symbolising totally opposed values, to coexist in a modern city? Should we make minarets higher than the office towers? Or rather, should not political powers define codes for

limiting the heights of buildings, which would clearly impose a sense of monumental hierarchy upon the city? This was always the case in the ancient cities of the Arabo-Islamic world. It is this latter solution, in our opinion, which is the most global, the most difficult, but also the most courageous that the urban planning authorities in Iraq could adopt.

3) In conclusion, I should like to address the issue of references to tradition through the choice of an architectural language. Here, the question is not exclusively one of religion, since it implies the whole cultural domain of Arabo-Islamic societies asserting their existence in the face of cultural imperialism by industrialised countries. In this respect both Eastern socialism and Western capitalism have certain things in common: references to a cultural tradition in order to make it live again does not just mean undertaking a superficial game of stylistic references, Abbasid or other, to which many of the competitors have succumbed. Stylistic games which are not morally reprehensible in themselves, and perhaps can be an indispensible step in emphasising visible differences with the modernity of developed countries; and, national traditions may even have value again in the eyes of certain Arab peoples. But such an endeavour may become useless and even negative if it leads only to camouflaging surfaces that marks a space, whose very concept, for example is foreign to Arabo-Islamic culture. The primary effort by architects should rather modestly consist therefore in learning the essential elements of a tradition, particularly the Arabo-Islamic concept of space, a concept which denotes a specific kind of space that ought to be understood as much by its visual manifestations, by its geometrical or compositional order, proportions or ornamentation, as by its mode of production and its social and cultural effects. From this point of view, most of the projects persented have little relationship with an Arab concept of

Only the project by Mr. Alousi reflects this, by a multiplicity and juxtaposition of spaces. Above all Mr. Alousi indicates an approach which easily does without the heavy stylistic allusions in order to attain an essential, and regenerated expression that is compatible with our time.

Bernard Huet Symposium participant The mosque as a sanctuary is the realisation of its meaning. The following functions determine the design of the Mosque.

The whole Mosque is an area of worship. Yet, ritual praying needs special and well defined spaces which differ from the general environment of the complex.

In this sense the whole complex serves the preparation for prayer and the worshipping community. The architectural design and its details reflect the basic pillars of the belief which are:

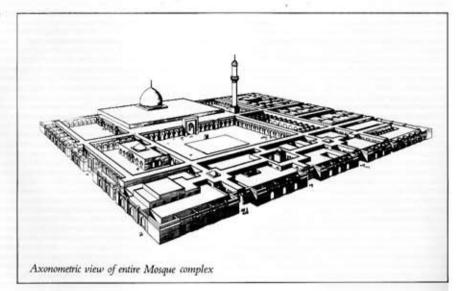
- · Oneness of Almighty Allah
- · Equality of all worshippers
- · Solidarity of all Muslims

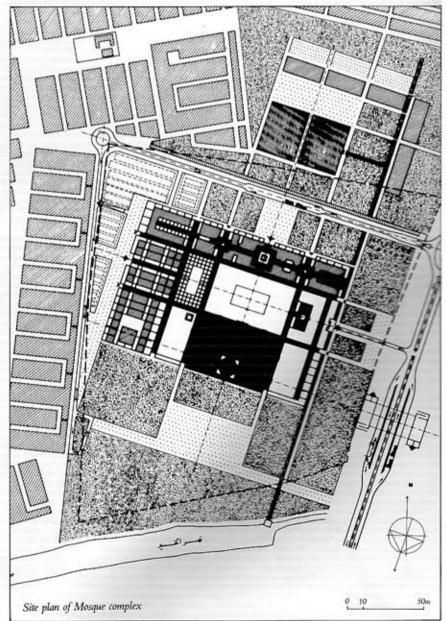
Praying in a group according to the Shari'a and the Sunna of the Prophet Mohammad requires discipline and order. The praying formation of solid rows facing the *mihrab* wall signifies two crucial doctrines of Islam: Equality and Solidarity of all worshipping muslims regardless of origin or social state.

The architectural form and details of the design reflect the basic fact in confining the practice of ritual worship to the Haram. The devotional contemplation and purity of the mind in the Haram is induced by passages from the Holy Qur'an, and the names of Almighty God that are inscribed on the interior walls. An atmosphere of piety and tranquility is thus inspired by this environment.

The recurrence of the prescribed prayers is reflected in the repetition of basis architectural features; this fact enables the worshipper to identify himself with the given environment. The relation between the worshipper and this environment is in this sense a spiritual and total one. It is a monologue irrespective of the size of the building or the time of the event, especially as it did not develop out of any strict architectural rule related to religious dogma but out of certain principles of worship. With this basic perspective, the principles of mosque design were adopted and transformed by other cultures according to their needs. In this way the tolerance of Islam manifests itself in the various types of indigenous Islamic architecture which display unity in spite of their diversity.

The Abbasid era is an example of how one culture developed and how it became a prime influence in the Muslim world, thus, establishing the basis of Arab Islamic architecture. We consider the Iraqi Abbasid's aesthetic and architectural values the main source of inspiration in the design concept of the State Mosque.





The following design criteria of the project result from our understanding of, and the inferences drawn from the above displayed general notions:

- · Formal and structural unity
- Balance between the various components and parts
- Repetition of basic architectural features and elements

While the balance of the various parts signifies the equality and egality of all worshippers, the repetition of basic architectural features emphasises the recurrence of worshipping the One God. The solidity of brick walls symbolises the solidarity of the praying community.

Contemporary Islamic architecture should synthesise these inherited traditions — Islamic design principles and aesthetic values with modern technology to fulfil the needs of our age without compromising the traditional identity or culture.

These now, are some advantages of the traditional geometric method of design which is based on an "open system". It accommodates new ideas to the traditional spirit, thus establishing a unity amongst the various traditional artistic expressions of the Muslim world. Islamic architecture, therefore, necessitates traditional ordering principles in design so that the whole and the parts of a composition achieves total harmony. This concurs with the Muslim belief that the whole universe is ordained to follow the divine laws and order.

