

SCOPE FOR WORKS FOR DETAILED DESIGN OF MALDIVIAN ISLAMIC CULTURAL CENTER AT HA. UTHEEMU

Ministry of Islamic affairs is seeking a party to design a concept and detail drawings for Maldivian Islamic Cultural Center to be built at Ha. Utheemu. The Scope of work is intended to describe the client's requirements and major components of work. All the works stated under the scope of work are subject to ministry's approval.

1. CONCEPT DESIGN

- a. Design Statement
- b. Floor plans
- c. 3D elevations

2. DETAIL CONSTRUCTION DESIGN

- a. Architectural Drawings
- b. Structural Drawings
- c. MEP drawings
- d. Technical Specifications
- e. Bill of Materials
- f. Bill of Quantities

3. 3D DRAWINGS

4. APPROVED STAMPED DRAWING SET

5. CONCEPT DESIGN

- a. Floor plans
- b. Front and Side elevations and a section drawing
- c. 3D Elevations and interior render
- d. Front & Side elevation
- e. Interior concept

6. DETAIL CONSTRUCTION DRAWING.

Detail design shall include all the construction drawings necessary to complete the project and shall include but not limited to the following;

7. ARCHITECTURAL DRAWINGS INCLUDING

- a. Floor plans, Sections, elevations, Ceiling plans, Interior finishing plan, roofing plans and details, ventilation schedule and connections details whereas necessary
- b. Doors, Windows & schedule including details and specification

- c. Include details for furniture (Shoe racks, Mimbar, Mus'haf shelves, removable partitions, calligraphy details etc.) excluding Gallery, office, multipurpose hall, class room and library furniture.

8. STRUCTURAL DRAWINGS

- a. Foundation plans, Beam plans, Column plans, Structural details including connections whereas necessary.
- b. Structural Calculation sheets, Foundation designs
- c. Excavation protection method

9. MEP DRAWINGS

- a. Plumbing – Ground & Fresh water, wastewater, ground well details, Sewer & drain layouts
- b. Electrical – Solar, Power, Lighting, AC, Sound, Networking plans, duct layouts, BTU and lumens calculations and specifications
- c. Fire drawing with all relevant details

10. BILL OF MATERIALS

- a. List of materials required for completion of work including all the quantities and material specifications

11. BILL OF QUANTITIES

- a. BOQ with latest market rates.

12. TECHNICAL SPECIFICATION

- a. Shall include detail material specifications and methodology for all the works mentioned in the BOQ and drawings
- b. All the materials included in the construction drawing shall be labelled and included in the specifications

13. 3D RENDERING AND MODELING TO THE SCALE

- a. Exterior rendering from all elevations
- b. Interior rendering from all 6-8 angles
- c. 3D Model – soft file

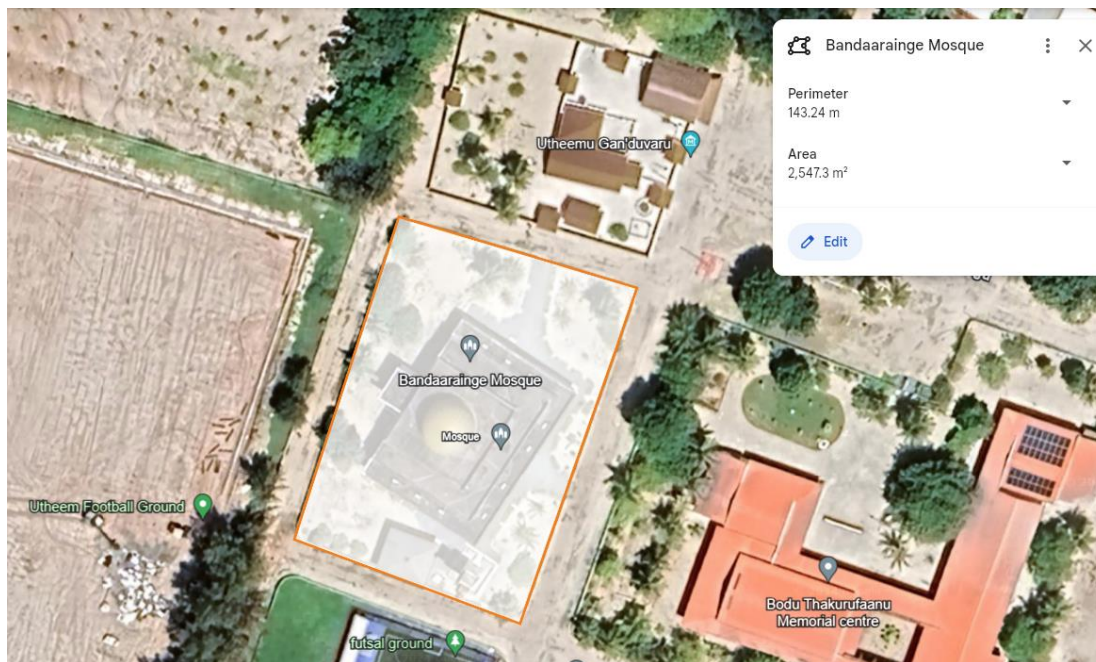
14. APPROVED STAMPED DRAWING SET

15. ARCHITECTURAL DRAWINGS STAMPED BY AN ACCREDITED ARCHITECTURAL CHECKER

16. STRUCTURAL DRAWING STAMPED BY AN ACCREDITED STRUCTURAL CHECKER

17. LOCATION

Ha. Utheemu Bandaarainge Mosque



18. DESIGN REQUIREMENTS AND CONSIDERATIONS

a. DESIGN

- i. Design area approximately 2,547.3sqm.
- ii. Design shall have same feeling as Utheemu Gan'duvaru and showcase Maldivian Islamic heritage

b. ECONOMICAL DESIGN

- i. Design of the Islamic Cultural Center shall be an economical design
- ii. Total estimated construction cost of the mosque shall not exceed 30 million rufiyaa
- iii. Designer shall consider all the ways to reduce cost of the construction, meanwhile maintain quality of the finished product. A
- iv. Designer shall consider ways to maximize Natural light and Ventilation wherever possible
- v. Designer shall consider ways to reduce maintenance costs in Design and selection of Materials.

19. SPACE ALLOCATION

1. Maldivian Islamic Cultural Center will be built in 150 ft x 330 ft plot area.

a. PRAYER HALL

- i. Prayer hall space shall accommodate total 700 Prayer. 6 sq. ft / per person (1.5ft X 4ft).
- ii. 25% of capacity shall be allocated to female prayers. Space allocated for female worshippers shall be separated by movable partitions within the prayer hall.
- iii. Mosque prayer hall shall be separated from other areas and shall accommodate 700 worshippers.
- iv. Space allocation for female worshippers shall be separated by movable partitions within the prayer hall
- v. Area shall be well lit
- vi. Prayer area shall be spacious
- vii. Use minimal columns in the prayer area, Column layout should not obstruct rows in the prayer hall.
- viii. Prayer area shall be easily accessible from walkway/corridor.
- ix. Prayer area shall be easily accessible from ablution area.
- x. Prayer hall shall have minimum 3 entrance from both sides.
- xi. Include an elevator in the space and shall accommodate 8 pax minimum.

b. ABLUTION AREA

- i. Separate Ablution areas shall be included for female and male worshippers, with separate entrances.
- ii. Both areas shall be accessible by disability ramps and stairs
- iii. Separate ablution space and toilets to be allocated to disabled persons in both areas.
- iv. Female Ablution area must have full privacy.
- v. Ablution areas shall be well ventilated.
- vi. Ablution area shall be easily accessible after entering compound and easily to prayer area.

c. TOILETS FOR PRAYERS

- i. Sufficient number of separated toilets for both genders shall include in the design for female and male prayers.
- ii. Prayer's toilets shall be located in an easily accessible location.

d. IMAM ROOM

- i. Imam room shall be located near to imam pray area and shall easily accessible from / to imam prayer area
- ii. Imam room shall have separate entrance from outside
- iii. Imam room shall have space for 1 multipurpose sofa and 1 office desk with a chair.

e. SOUND ROOM

- i. Sound room shall have adequate space to install 12U rack other equipment.
- ii. Sound room shall be located in an easily accessible location from imam prayer area.

f. A WALKWAY/CORRIDOR AREA

- i. Walkway Shall be around the prayer hall and shall be accessible to general areas

g. MULTIPURPOSE HALL

- i. Multipurpose Hall shall accommodate 300 people with a stage area.
- ii. Multimedia hall design shall be incorporated with latest medium of communication.
- iii. Adequate room space shall be allocated in the multipurpose hall for media / control room.
- iv. Adequate storage space shall be allocated in multipurpose hall.
- v. Multipurpose hall shall be easily accessible walkway/ general area.

h. MULTIMEDIA GALLERY HALL

- i. Multimedia gallery hall shall be easily accessible through walkway/ general area
- ii. Multimedia gallery shall allocate space for:
- iii. Historiography of early Islam
- iv. History of the Quran
- v. Early Muslim conquests
- vi. History of Maldives Islam
- vii. Adequate store area shall allocate in multimedia hall

i. OFFICE SPACE

- i. Office space shall be included with front reception area
- ii. Office space shall have minimum 1 executive cabin and shall accommodate 2 staff

j. GUEST TOILET AND STORAGE FOR CLEANING PRODUCTS

- i. Adequate Guest toilet and storage for cleaning products
- ii. Multimedia gallery hall shall have access to guest toilet, within or from outside hall

k. CLASS ROOM

- i. Design shall include minimum 2 class rooms and shall accommodate 25 students in each.
- ii. All class room shall be easily accessible through walkway/ general area.

- iii. Adequate number of toilets shall include in the design for students and shall be easily accessible

I. OFFICE SPACE

- i. Office space shall be accommodated for 1 executive cabin and 3 staff.
- ii. Office space shall be easily accessible through walkway/ general area.
- iii. Adequate toilet shall include in the design for staff use and storage area and shall be easily accessible.

m. LIBRARY

- i. Library Space shall accommodate 20 pax
- ii. Library shall be accessible through walkway/ general area.
- iii. Library shall include study desks with computer access for at least 2 pax at a time.
- iv. Library space shall be well lit and designed to maximize acoustic comfort of its users.

n. PANTRY

- i. Adequate space for common pantry area shall include in the design and shall be easily accessible through walkway/ general area.

o. TOILETS

- i. All toilet blocks shall have 1 toilet allocated for disability

p. COMPOUND AREA

- i. Compound design shall include sitting bench, book stand, waste dustbin.
- ii. White sand areas shall be incorporate in the Islamic Center compound
- iii. Walkways to the build area shall be paved in cool concrete pave blocks or grass.

q. BOUNDARY WALL

- i. Total 6 opening shall be allocated for entrance and exits
- ii. Boundary wall height shall be less than 1 m from the ground level.

20. BUILDING MATERIALS

1. Selection of materials shall be based on durability and availability locally/regionally.

21. BUILDING SERVICES

1. Shall have electrical Main Control panel board for building
2. Lift Specification
3. Sub board for all areas
4. Control board in every rooms

5. Shall have main network control panel
6. Shall have subnetwork panel board for all area
7. Shall have GSM Biometric Attendance machine in Imam room
8. Cable ducts shall be accessible through terminal points, allow for provision for future cables
9. Consider Energy saving concepts when choosing lighting/electrical designs
10. Submit AC Requirements (BTU calculations)
11. Submit Solar requirements and design with specifications
12. Submit Sound requirements and design with specifications

22. PLUMBING

1. In fresh water line Include connection provision to groundwater
2. Pump specifications

23. ROOFING/SLAB/DOME

1. Consider durable roofing material
2. Allow for easy access to roof for maintenance
3. Consider weight of solar installation while assuming design loads for roofing.

24. MINARET

1. Minaret height shall not be less than 2/3 of mosque height.
2. Sound horn speakers shall be located in a way the sound of the azan can be heard from all directions.