

United Arab Emirates

Emirate of Dubai



DUBAI MUNICIPALITY

**LOCAL ORDER NO. 44 OF 1990
ON STANDARD SPECIFICATIONS OF
CONCRETE BLOCKS USED IN THE
EMIRATE OF DUBAI**

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EMIRATE OF DUBAI**

The President of Municipality :

- After perusal of the authorities legally conferred on us under the Establishing Decree of Dubai Municipality, and
- The recommendation of the authorized committees in the Municipal Council.

Do Hereby Issue the Following :

Article 1

This Order shall be called (Local Order on Standard Specifications of Concrete Blocks Used in the Emirate of Dubai).

Article 2

The concrete blocks factories operating in the Emirate of Dubai shall comply with the standard specifications herein stated, when producing concrete blocks used in constructing load bearing walls and non load bearing walls, the precast concrete paving blocks and the precast concrete filler blocks used in roofs.

Article 3

: Definitions

- **Masonry block :**

It is the precast concrete masonry unit whether hollow or solid, prepared to use in building the load bearing walls and the non load bearing walls.

- **Roofs Fillers block**

It is the precast concrete masonry unit prepared for use as roofs fillers.

-

Paving Blocks

It is the percast concrete paving unit intended for the construction of roads, industrial and other paved surfaces.

- **Hollow Block**

It is the masonry unit made out of homogeneous concrete mix and which may include additives or pigments. This block has one or more holes or cavities which exceeds 25% of its volume.

Aerated Block

It is the steam cured masonry unit which contains homogeneous and equally distributed voids, and which is intended for use in roofs and walls.

Article 4

: Precast Concrete Masonry Blocks

The Following requirements shall be met for concrete blocks used in construction of masonry walls, both as load bearing and non-load bearing.

4/1 Cement

The cement used in the manufacture of concrete masonry block shall comply with the requirements of specifications in Annex (1).

Cement content of manufacture blocks shall not be less than 200 kg/m³.

4/2 Aggregates

The aggregate shall consist of naturally occurring crushed or uncrushed materials which shall fully comply with specifications in Annex (2).

The salt contents shall not exceed the following limits :-

Acid Soluble Chlorines (Cl) 0.06% by wt. of fine aggregate.
0.02% by wt. of coarse aggregate.

Acid Soluble Sulphate (So₃) 0.3% by weight of coarse and fine aggregate.

4/3 Water

The water shall be clean and free from any organic and deleterious matter, having pH value in the basic range (7-9). The inorganic impurities shall not exceed the following limits :

Total dissolved solids 2000 mg/litre
Chlorides 600 mg/litre
Sulphates 500 mg/litre
Alkalis carbonates & bicarbonates 1000 mg/litre

4/4 Pigments

All pigments used shall comply with the specification in Annex (4).

4/5 Admixtures

These shall comply with specification in Annex (5). They shall not contain any chlorides. They are preferred to be lignosulphonate based water reducing agent.

4/6 Dimensions and Tolerances

Standard block sizes for walls shall be 40 cms long, 20 cms width and 20 cms height. Alternative sizes are to be modular as specified in Annex (6). Load bearing blocks sizes are to have thickness not less than 20 cms. Hollow blocks must have voids between 25 and 50 percent with a minimum external shell thickness of 35 mm or 1.75 times the nominal maximum size of aggregate, whichever is greater. No overall dimensions (length, width or height) shall differ by ± 3 mm. at any point.

4/7 Linear Shrinkage :

When tested for shrinkage as per specifications in Annex (7) the values obtained must comply with specifications in Annex (6) and in no-case shall it be more than 0.05%.

4/8 Sampling

Ten blocks shall be drawn at random from every designated 1000 blocks section or part thereof, in a consignment. All samples shall be clearly marked at the time of sampling in such a way that the designated section or part thereof and the consignment represented by the sample, are clearly defined.

4/9 Strength

Concrete blocks when tested according to specification in Annex (6) shall have an average compressive strength of not less than 12.5 N/mm² with a minimum individual strength of less than 10 N/mm² for load bearing blocks and an average strength not less than 7.5 N/mm² with a minimum individual strength not less than 6 N/mm² for non-loading blocks.

4/10 Testing for Strength

The sample specimen shall be tested in compression as specified Annex (6).

Article 5

: Precast Concrete Filler Blocks

The following requirements shall be met for blocks used as fillers in the construction of re-inforced joint-filler block decks and slabs.

5/1 Cement

The cement used in the manufacture of these blocks shall comply with the requirements of Annex (1).

5/2 Aggregates

The aggregates shall be free from of any deleterious and organic matter. When tested individually, they shall conform to the following:-

Acid soluble chlorides (Cl) not exceeding 0.04% by weight of aggregate.

Acid soluble sulphate (SO₃) not exceeding 0.3% by weight of aggregate.

5/2/1 Fine Aggregate

It shall consist naturally occurring crushed or uncrushed materials which shall fully comply with specifications in Annex (2)

5/2/2 Coarse Aggregate

It shall be of light weight type complying with specifications in Annex (3). The bulk density should not exceed 800 kg/m³.

5/3 Water

The water shall be clean and free from any deleterious and organic matter, having a pH value in the basic range (7-9). The inorganic impurities shall not exceed the following limits :

Total dissolved solids	2000 mg/litre
Chlorides	600 mg/litre
Sulphate	500 mg/litre
Alkalis carbonates bicarbonates	1000 mg/litre

5/4 Aerated) Block

When making air entrained blocks (or aerated blocks), the distribution of air must be equal and the block must be homogeneous. Aerated blocks must be steam cured.

5/5 Density

The average density of dry block should not exceed 1200 kg/m³ and variation between the densities shall not exceed by 10% of the average density.

5/6 Dimensions

Length : 400mm

Height : Minimum 150mm to Maximum 400mm

Width : Not more than 800mm.

The surface of blocks should be clean and plane with a maximum tolerance in length, width and height of not more than 3mm.

5/7 Sampling

Ten blocks shall be drawn at random from every designated 1000 blocks' section or part thereof in a consignment. All

samples shall be clearly marked at the time of sampling in such a way that the designated section or part thereof and the consignment represented by the sample are clearly defined.

5/8 Strength

Average compressive strength should be not less than 3 N/mm² and the lowest block from a sample of 10 blocks should not be less than 2.5 N/mm².

5/9 Testing for Strength

The sample specimen shall be tested in compression with both faces under compression reflecting each others exact shape and size. The method of testing shall be as specified in Annex (6).

Article 6

: Precast Concrete Paving Blocks

The following requirements shall be met for concrete paving blocks for the construction of paved surface used by vehicular and pedestrian traffic.

6.1 Cement

The cement used in the manufacture of precast concrete paving blocks shall comply with the requirements of specification in Annex (1). The cement content of compacted concrete shall not be less than 400 kg/m³.

6/2 Aggregates

The aggregates shall consist of naturally occurring crushed or uncrushed materials which apart from grading requirements comply with specifications in Annex (2). The salt contents shall not exceed the following limits :-

Acid soluble chloride 0.06% by wt. of fine aggregate.
0.02% by wt. of coarse aggregate.

Acid soluble sulphates 0.3% by wt. of coarse and fine aggregate.

6/3 Water

The water shall be clean and free from any deleterious matter having pH value in the basic range (7-9).

The inorganic impurities shall not exceed the following limits :

Total dissolved solids	2000 mg/litre
Chlorides	600 mg/litre
Sulphates	500 mg/litre
Alkali carbonates & bicarbonates	1000 mg/litre

6/4 **Pigments**

Any Pigments used shall comply with specification in Annex (4).

6/5 **Dimensions and Tolerances**

- A - Standard rectangular block shall be manufactured with a nominal length of 200mm and nominal width of 100mm. Alternative sizes and shapes shall have a ratio of length to width on plan of not less than one half or greater than two half.
- B - The width shall not be less than 80mm or greater than 115mm.
- C - The minimum normal thickness of paving blocks of any size shall be 60mm. The preferred nominal thickness shall be : 60, 80 and 100mm.
- D - All reses shall be clean, plane and uniform dimension.
- E - Wearing surface area shall not be less than 70% of the plan area.
- F - Tolerances :
- | | |
|-----------|---------|
| Length | +/- 2mm |
| Width | +/- 2mm |
| Thickness | +/- 3mm |

6/6 **Compressive Strength**

The average compressive strength of the block on delivery when sampled and tested in the manner described below, shall not be less than 49 N/mm² in wet condition. No individual block strength shall fall below 40 N/mm² in wet condition.

6/7 **Sampling Blocks**

Two blocks shall be drawn from each group of 1000 blocks for sampling 10 blocks every designated 5000 blocks' section or part thereof in a consignment. All samples shall be clearly marked at the time of sampling in such a way that the designated section or part thereof and the consignment represented by the sample are clearly defined.

6/8 **Test for compressive Strength**

The sample specimens shall be tested as specified in Annex (8) and in a wet condition after being stored for at least 24 hours in water maintained at a temperature of 27 degree centigrade +/- 3 degree centigrade. Before the specimens are submerged in water, the necessary area shall be determined as follows :-

- A - Where possible, the plan area or the wearing surface shall be calculated by multiplying the length by the width.
- B - Alternatively, the plan area or the wearing area shall be culculated by cutting out shapes of cardboard and weighing it to the nearest 0.01 gram.

$$\frac{A}{s} = \frac{2000ms}{m}$$

Where

A = Area of block (mm. 2)
s

ms = Mass of cardboard shap matching test block (g) ; the block shall be placed wearing surface uppermost on the cardboard.

m = Mass of 200 x 100mm cardboard rectangle (g) cut from the same cardboard.

In case of chamfer or radius, the width of chamfer or radius shall be measured and marked on the cardboard shape. This shape shall then be cut out accurately and weighed for about calculation of the wearing area.

Plywood, nominally 4mm thick, shall be used as packing between the upper and lower faces of the specimen and the machine platens, and these boards shall be larger than the specimen by a margin of at least 5mm at all points. Fresh packing shall be used for each specimen tested.

The load shall be applied without shock and increased continuously at a rate of approximately 15 N/mm² minute until no greater load can be sustained. The maximum load applied to the specimen shall be recorded. The strength shall be expressed to the nearest 0.1 N/mm².

Article 7

: General Conditions :

7/1 Materials added to the original component materials of the blocks shall be homogeneous therewith and shall not affect the required characteristics of the block specified by specifications in the attached annexes.

7/2 Blocks shall have regular and uniform shape, free of cracks and defects and have rough surfaces to provide key for plaster.

Article 8

Each consignment shall be accompanied with the following documents :

- 8/1 The producer must identify his production by a distinct trade mark grooved on every block, or by other means.
- 8/2 A certificate of compliance from Dubai Municipality proving that this consignment complies with the standard specifications and that the producer has undertaken the necessary arrangements to test his production over regular intervals of time.
- 8/3 A certificate or invoice by the producer specifying the following.
- 8/3/2 Type and dimensions of the blocks.
- 8/3/3 Average compressive strengyh of this consignment sample.

Article 9

The importers of blocks not produced by the licensed factories in the Emirate of Dubai shall comply with the provisions and specifications of this Local Order, or any other similar specifications after being approved by Dubai Municipality.

Article 10

: Provisions of Technical Compliance :

- 10/1- The lot shall be considered as complying with the specifications if all compulsory tests stipulated in the specifications detailed herein have been carried out thereon, provided that the broken blocks of the representing sample shall not exceed 10%. Any block chipped at more than two edges shall be considered broken.
- 10/2- If the tested samples fail all or one of the tests detailed in the specifications schedule indicated in the attached annexes, other samples shall be selected, and if these also fail the lot shall be considered non-conforming with the specifications.

Article 11

The employees authorized by the Director of the Municipality shall have the capacity of law officers in taking notice of the violations committed against the provisions of this Order, its Executive Regulation or the decisions issued in implementation thereof. They shall have the right to access to factories, stores and yards where the produced materials are stored, and shall make necessary records thereof.

Article 12

The Director of Municipality shall issue the Executive Regulation and necessary decisions for the implementation of this Order.

Article 13

Without prejudice to any penalty stipulated in any other law or local order, whoever violates the provisions of this Order or the regulations issued in implementation thereof shall be subject to one of the following penalties, on gradual basis :

Article 14

- 1 - Warning
- 2 - A fine of not less than Dhs. 5,000 and not more than Dhs. 10,000, and the penalty shall be doubled in case of recurrence.
- 3 - Temporary close-down of the factory for a period of one month maximum, confiscation and destroyal of violating material.
- 4 - Cancellation of licence.

This Order shall be published in the Official Gazette and shall come into force six months after the date of publication.

President of the Municipality
Hamdan Bin Rashid Al Maktoum

Issued on 6 Shawal 1410 AH
Corresponding to 1st. May 1990



ANNEXES

- Annex no. (1) British Standard BS 112, BS 4027 or BS 146.
- Annex no. (2) British Standard BS 882.
- Annex no. (3) British Standard BS 877 or BS 3797.
- Annex no. (4) British Standard BS 1014 (annex).
- Annex no. (5) British Standard BS 5075.
- Annex no. (6) British Standard BS 6073 Part 1 and Part 2.
- Annex no. (7) British Standard BS 6073 Part 1.
- Annex no. (8) British Standard BS 6717 Part 1.



DUBAI MUNICIPALITY

ADMINISTRATIVE ORDER NO. 108 OF 1990 ON ISSUING THE EXECUTIVE REGULATION OF THE LOCAL ORDER NO. (44/1990) ON STANDARD SPECIFICATIONS OF CONCRETE BLOCKS IN THE EMIRATE OF DUBAI

The Director of Municipality :

- After perusal of the authorities legally conferred on us under the Establishing Decree of Dubai Municipality, and
- The Building Regulation of the Emirate of Dubai, and
- The provisions of Article 12 of the Local Order No. (44/1990) authorizing us to issue the Executive Regulation of the mentioned Local Order, and
- The recommendations of the Technical Committee in the Municipality in its meetings nos.339, 357 and 362 of 1989.

Article 1

Do Hereby Decide the Following :

: Definitions :

In the implementation of the provisions of the Executive Regulation the following words shall have the meaning set against each of them :

- | | | |
|---|-------------------------|--|
| 1 | - Plant/Factory : | The factory licensed by Dubai Municipality to manufacture concrete block according to the standard specifications of the concrete blocks used in the Emirate of Dubai as specified in the Local Order No. (44/1990). |
| 2 | - Licensing Authority : | The Licensing and Commercial Registration Department in the Municipality. |

3 - Licensed/Registered Plant :

The factory which was granted approval to use the quality mark on his products.

4 - Quality Mark :

The approved mark as per the attached sketch for use in the plant's block mold.

5 - Approved Laboratory :

Construction Quality Control & Research Section of Dubai Municipality or any other laboratory accredited or approved by them.

6 Certificate of Compliance :



The certificate issued by the Municipality stating that a particular lot of production is in compliance with the provisions of the Local Order No. (44/1990), and approving its sale by the plant.

7 Certificate of Non-Compliance:

The certificate issued by the Municipality stating that a particular lot of production does not comply with provisions of Local Order No. (44/1990), and therefore the plant is prohibited from selling or

launching thereof
in the markets.

8 - The Lot :

The quantity of blocks produced for sale, each lot consists of 10,000 blocks. Each lot is distinguished by unique, serial and annual numbers so that each number shall represent a particular lot of production.

9 - Test Sample :

10 specimens selected from the lot, and shall be distinctly and uniquely numbered.

10 - Specimen :

A block within the test sample.

11 - Quality Control Plan:

A plan of quality control agreed upon by the Municipality and the plant to guarantee that production is in compliance with the Local Order, and the continuity of compliance.

12 - Quality Register :

A register to record the annual lots of productions, and to ensure the traceability of each lot produced whether sold, still in the stores or disposed off.



13 - Production Number :

A number assigned to a mixing operation for producing the required number of lot.

14 - Lots Preparation Yard :

It is the space where the numbering of lots and quality control plan are carried out.

15 - The Building :

Constructions built on the land plot granted to the licence applicant to install the machinery and equipment necessary for production, the stores, warehouse, corridors as well as the constructions used for services and the complementary administrative works...etc.



Article 2

Subject to the applied rules in the Licensing and Commercial Registration Department in the Municipality the licence applicant shall submit his application for establishing a concrete blocks producing plant/factory in the Emirate of Dubai to the Licensing and Commercial Registration Dept. on the specially prepared form, attaching the following thereto :

- 1 - Document required by the Municipality's regulations and rules according to the legal status of the plant.
- 2 - A photocopy of the map showing the location of the plant.
- 3 - Photocopy of the license issued by the Buildings and Housing Department in the Municipality.
- 4 - The forms hereunder detailed, signed by the concerned party.

- A - Form no. (1) which stipulates the agreement on testing the productions in the approved laboratory.
- B - Form no. (2) which stipulates the agreement on allowing the authorized Municipality officials to inspect, and test the production.
- C - Form no. (3) which stipulates the agreement on destroying the lots on which certificates of non-conformity were issued.
- D - Form no. (4) which stipulates the agreement on selling of only those blocks from the lots on which certificates of compliance are issued and which distinctly carry the lot number and quality mark.
- E - Form no. (5) which stipulates the agreement on suspension of utilization of the quality mark and returning thereof to the Municipality in case the plant violates any of the provisions of the Local Order no. (44/1990) and the Executive Regulation.
- F - Photocopy of a manual showing the administrative and executive systems,, the authorities and qualifications of employees, the names of the authorized signatories of the agreements and the name of the plant's representative.
- G - Any other documents required by the Licensing and Commercial Registration Dept. in the Municipality.

Article 3

All buildings and the electrical or manual fixtures, fittings and equipment installed therein, as well as their ventilating corridors and vacuum, their spaces and storage areas must be prepared in accordance with terms & conditions specified by the Buildings and Housing Dept. in the Municipality and the Civil Defence Authorities in Dubai.

Article 4

The license shall be granted whenever it is proved that the buildings were constructed in accordance with the drawings, layouts and designs approved by the buildings and Housing Department in the Municipality, the permit of the civil Defense Authorities in Dubai, approval of the Construction Quality Control and Research Section, and the fulfillment of the applicant of the provisions of the Order, its Executive Regulation, and the Municipality rules and regulations of issuing a trade licence.

Article 5

the plant shall allot the lots preparation area to store all its products temporarily, during which numbering of the lots and quality control plan shall be carried out, and the lots are transported thereafter to :

- 1 - Permanent storage area of the lots complying with the specifications and prepared for sale.
- 2 - Temporary storage area of the lots which do not comply with the specifications and which must be confiscated and destroyed in the Building materials waste fill.
The plant shall record the numbers of these lots in the Quality Register and also in the registers accompanying the lots in the two areas.

Article 6

Periodical inspection shall be carried out in intermittent periods throughout the year. This shall be done unexpectedly provided the inspection sessions shall not be less than twice per year. The periodical inspection shall involve the specifications of the cement material, aggregate, pigments the chemical additives, the standard dimensions, sizes and types of the blocks, the linear shrinkage, compressive strength and the other technical specifications of the concrete blocks, in addition to revising the registers and applied regulations in the plant.

Article 7

Dubai Municipality staff authorised to carry out the inspection shall show their Municipality cards before inspection plants even if they are not asked to. They shall have the capacity of law officers in taking notice of violations of the provisions of the Order and its Executive Regulation or the decisions issued in implementation thereof.

They shall have access to plants, factories, stores or yards where the produced materials are deposited and the right to take test samples in order to ensure they conform with the specifications and make necessary records thereof.

Article 8

The provisions of the Orders and its Executive Regulation shall apply to the licensed plants and those which may be licensed to operate in the Emirate of Dubai in the field of the production of concrete blocks.

Article 9

The importers of the blocks not produced in the licensed plants in Emirate of Dubai shall comply with the provisions and specifications of the concrete blocks detailed in the local Order no. 44/1990.

Article 10

The Executive Regulation shall be implemented as from the date of effectiveness of the Local Order no. 44/1990 issued on 1.5.1990 on the Standard Specifications of the Concrete Blocks Used in the Emirate of Dubai.

Article 11

The authorized departments/sections shall undertake the necessary actions for implementation.

ISSUED NO 7 SHAWAL 1410 AH
CORRESPONDING TO 2nd. MAY 1990.

The Director of Municipality

COPY TO CONCERNED DEPTS/SECTIONS
GENERAL FILE/SPECIAL FILE



DUBAI MUNICIPALITY

Ref.

Date.

FORM NO. (1) QUALITY PRODUCTION CONTROL TESTS.

Testimony :

The Undersigned and his plant agree to carry out quality control tests according to what was stipulated in the Local Order No. 44/1990 on the Standard specifications of Concrete Blocks Used in the Emirate of Dubai, to prove that his products comply with the specifications outlined in the Local Order and its Executive Regulation.

That these tests shall be carried out by Construction Quality Control & Research Section in Dubai Municipality or any other laboratory approved by them.

The Undersigned further agrees to pay the costs of testing the samples as per Dubai Municipality testing policy, if they were tested in the Construction Quality Control & Research Section.

The provisions of Article (13) of the Local Order shall be applied to the Undersigned if he violates any of the provisions of this Order or its Executive Regulation.

NAME OF OWNERS :

SIGNATURE:

NAME OF FACTORY :

DATE :

Licence No. issued by Dubai Municipality :

WITNESSED BY :

SIGNATURE:

DUBAI MUNICIPALITY

Ref.

Date

FORM NO. (2) INSPECTION BY DUBAI MUNICIPALITY

Testimony :

The Undersigned and his plant agree to allow the Dubai Municipality staff assigned to carry out inspection and who hold evidential cards access to the plant and annexes thereof at any time.

Any assistance/request made by these inspectors for checking the quality registers and taking sample of the product along with lot number and sample number.

Complaints against the inspectors will be accepted if submitted in writing to Dubai Municipality within one week from the date of the inspection.

The provisions of Article (13) of the Local Order shall be applied to the Undersigned if he violates any of the provisions of this Order and its Executive Regulation.

NAME OF OWNERS :
NAME OF FACTORY :

SIGNATURE:
DATE :

Licence No. Issued by Dubai Municipality :

WITNESSED BY :

SIGNATURE:

DUBAI MUNICIPALITY

Ref

Date

FORM NO. (3)
DESTROYAL OF THE PRODUCTION WHICH DO
NOT COMPLY WITH THE SPECIFICATIONS.

Testimony :

The Undersigned and his plant agree to dispose of the products bearing lot numbers on which a certificate of non-compliance has been issued (according to the Executive Regulation of the Local Order on the Standard Specifications of the Concrete Blocks Used in the Emirate of Dubai) and that is within one week as from the date of receipt of this certificate. Disposal shall be made in Dubai Municipality allotted building material disposal site.

An official proof of the numbers of lots destroyed shall be kept in order to be submitted as an evidence during the inspection operations. The "Quality Register" shall be updated at the same time to include the numbers of these lots.

The provisions of Article (13) of the Local Order shall be applied to the Undersigned if he violates any of the provisions of this Order and its Executive Regulation.

NAME OF OWNERS:
NAME OF FACTORY :

SIGNATURE:
DATE :

No. of Commercial Licence Issued by Dubai Municipality :

WITNESSED BY :

SIGNATURE:

DUBAI MUNICIPALITY

Ref.

Date

FORM NO. (4) SALES OF PRODUCTION COMPLYING WITH THE SPECIFICATIONS.

Testimony :

The Undersigned and his plant agree to sell only the produced lots on which certificates of compliance have been issued.

An official proof of the quantity of blocks sold of these lots shall be kept to be submitted as an evidence during the inspection operations. The "Quality Register" shall be updated to include the name of purchaser, date of purchasing , lot numbers and quantity of blocks in each lot.

The provisions of Article (13) of the Local Order shall be applied to the Undersigned if he violates any of the provisions of this Order and its Executive Regulation.

NAME OF OWNERS :
NAME OF FACTORY :

SIGNATURE:
DATE :

Licence No. Issued by Dubai Municipality :

WITNESSED BY :

SIGNATURE:

DUBAI MUNICIPALITY

Ref.

Date

FORM NO. (5) UTILIZATION OF QUALITY MARK

Testimony :

The Undersigned and his plant hereby undertakes to utilize the quality mark on his products if he is granted the right of use thereof by Dubai Municipality and that is by registering it in the Municipality and issuing the trade licence thereof.

That only the lots complying with the specifications, identified by the quality mark, and transported from the yard where lots are prepared, to the permanent storage area after being tested, shall be offered for sale.

The quality mark shall be returned and the plant shall cease to utilize it on its products if it is discovered that they do not conform with any of the provisions of the Local Order no. 44/1990 and its Executive Regulation.

The provisions of Article (13) of the Local Order shall be applied to the Undersigned if he violates any of the provisions of the Order and its Executive Regulation.

NAME OF OWNERS :
NAME OF FACTORY :

SIGNATURE:
DATE :

Licence Number Issued by Dubai Municipality :

WITNESSED BY :

SIGNATURE:

**ADMINISTRATION ORDER NO. 165 OF 1990
ISSUED ON 5/7/1990
SPECIFYING THE DUTIES OF THE CONCERNED
DEPARTMENTS IN IMPLEMENTING THE
PROVISIONS OF THE LOCAL ORDER
NO. 44/1990 ON THE STANDARD SPECIFICATIONS
OF CONCRETE BLOCKS, AND ITS EXECUTIVE
REGULATION NO. 108 OF 1990**

The Director of the Municipality :-

- After perusal of the authorities legally conferred on Us under the Establishing Decree of Dubai Municipality.
- And the provisions of the Local Order No. 44/1990 on the standard specifications of Concrete Blocks, and its Executive Regulation No. 108 of 1990.
- And in order to specify the duties of the concerned departments in implementing the provisions of the Order and its Executive Regulation, and their executive duties.

do hereby Decide the Following :

Article (1)

The Buildings and Housing Department, The Trade Licence and Commercial Registration Department and Construction Quality Control and Research Section shall undertake the implementation of the provisions of the Local Order No. 44 of 1990 and its Executive Regulation No. 108 of 1990.

Article (2)

The duties of the Buildings and Housing Department are specified as follows:

- 1 - Inspect the blocks in the site to ensure that it complies with the specifications stipulated in the Local Order and its Executive Regulation.
- 2 - Review and examine the site record in relation to the lots of the in-coming blocks and ensure that the certificates of compliance marked with the lot number and the remaining data registered in the materials site record are available provided that the daily entries therein are examined.
- 3 - Direct the project's consultants that it is imperative to adhere to the provisions stipulated in the Order and its Executive Regulation in relation to materials used in the construction, in addition to their full responsibility in checking the daily entries of the materials in the site record one by one.

- 4 - Apply penalties and fines on the consultant or the contractor, or both, in case of violation of the provisions of the Local Order or its Executive Regulation.
- 5 - Select samples at random from the site and send them to Construction Quality Control and Research Section in order to carry out the necessary technical testing provided that the project's contractor shall bear the cost of such testing.
- 6 - Ensure that the blocks imported from outside the Emirates of Dubai has acquired the certificate of compliance from Construction Quality Control and Research Section before being used.

The consultant shall make sure that the contractor has received the certificate of compliance before using the blocks for building.

- 7 - The Building Control Section (Building Permit Unit) shall comply with the provisions of Article (5) of the Executive Regulation of the Order which stipulates that the plant shall allot the lots preparation yard to store all its products temporarily, as well as the permanent and temporary storage areas under the provisions of the mentioned Article in relation to the applications submitted to it for new factories.

Article (3)

The duties of Construction Quality Control and Research Section are specified as follows :

- 1 - Register names of block factories operating in the Emirate of Dubai which comply with the provisions of the Local Order and its Executive Regulation.
- 2 - Prepare a record for the quality mark in which the quality marks and the names of the representatives authorized by the factories to which such marks are presented, and the date thereof are registered.
- 3 - Present the form and number of the quality mark to the person authorized by the factory in order to fabricate and use it according to the approved pattern. The form of the mark shall not be delivered unless the conditions of the Local Order and its Regulation are satisfied.
- 4 - Issue the certificates of compliance and the certificates of non-compliance for each production lot and keep a copy thereof in the Section's files.
- 5 - The word (Municipality) stated in Article 1/11 under (Quality Control Plan) shall mean Construction Quality Control and Research Section.

- 6 - Construction Quality Control and Research Section shall undertake the following :-
- A - Review what was stated in clause 4/F of Article (2) of the Executive regulation.
 - B - Carry out the periodical inspection on the firm stated in Article 6 of the Executive Regulation, as well as the work sites.
 - C - Propose the application of fines stated in Article 13 of the Local Order and submit them to the Director for sanctioning.
 - D - Notify the Trade Licence and Commercial Registration Department of the factories which do not satisfy the requirements of the Local Order and its Executive Regulations, and that is in order to suspend renewal of their licences:
 - E - Recommend the required fees in accordance with the type of technical testing and against the services granted to each firm.
 - F - Make sure that the factory disposed of the blocks which do not comply with the specifications stipulated in the Order and its Executive Regulation, and that is in co-ordination with the Health Department (the Solid Wastes Section) in specifying the method proving the disposal of such blocks.

Article (4)

The duties of Trade Licence and Commercial Registration Department are specified as follows :

- 1 - Comply with what was stated in the Order and its Executive Regulation in relation to the licensing of new factories and in accordance with the rules and regulations of the Department and provided that the initial approval shall not be issued until the forms attached to the Regulation are fulfilled.
- 2 - In relation to the licenses issued to the already existing factories, the Trade Licence and Commercial Registration Department shall send to Construction Quality Control and Research Section a list of the actually existing factories, their data, dates of issue and expiry of their licences in order to carry out the periodical inspection and grant them the necessary time limit to fulfill the requirements stipulated in the Local Order and its Executive Regulation.

Provided that the following procedures are carried out :

- A - Factories Fulfilling the Requirements : The Construction Research Section shall issue a "No Objection Certificate" (N.O.C.) on their part regarding the licensing to the Trade Licence Department in order to renew the licence in the fixed date according to the request of the concerned party. The mentioned Department shall fulfill the remaining procedures for renewal of the licence.
- B - Factories Not Fulfilling the Requirement : A list of the names of these factories shall be prepared and sent to the Trade Licence Department requesting the suspension of renewal of the licence until the requirements are satisfied.

Article (5)

General Provisions :-

- The technical departments/sections undertaking the supervision of the building works without a consultant for the project shall comply with what was stated in the provisions of this Order.

Article (6)

This shall come into force as from the date of issuance of the Local Order No. 44 for 1990, issued on 1/5/1990 and its Executive Regulation No. 108 of 1990.

To be circulated to :

- All technical departments in the Municipality.
- Construction and Quality Control and Research Section,
- Administrative Affairs.
- Legal Affairs.
- General/Private File.

**ADMINISTRATIVE ORDER NO. 171 OF 1990
ISSUED ON 11/7/1990
CONCERNING FORMS STIPULATED IN THE EXECUTIVE
REGULATION
OF THE LOCAL ORDER NO. 44/90 ON
THE STANDARD SPECIFICATIONS OF CONCRETE BLOCKS
USED IN THE EMIRATE OF DUBAI**

The Director of Municipality :-

- After perusal of the authorities legally conferred on Us under the Establishing Decree of Dubai Municipality.
- The Local Order No. 44/90 on the Standard Specifications of Concrete Blocks Used in the Emirate of Dubai and its Executive Regulation.
- The Administrative Order No. 165/1990 specifying the duties of the concerned departments in the implementation of the provisions of the Local Order No. 44/1990 and its Executive Regulation.
- The report submitted to Us by the Head of Construction Quality Control and Research Section.

Do Hereby Decide the Following :-

Article (1)

The four forms hereinafter detailed are hereby approved and attached to the Executive Regulation No. 108 of 1990.

- A - Form No. (1) : pattern of quality mark.
- B - Form No. (2) : form of application for the quality mark.
- C - Form No. (3) : form of certificate of compliance of a production lot with the specifications stated in the Local Order No. 44/90 and its Executive Regulation.
- D - Form No. (4) : Form of certificate of non-compliance of a production lot with the specifications stated in the Local Order and its Executive Regulation.

Article (2)

The Head of Construction Quality Control and Research Section shall issue the directives subject to the following :

Firstly : Quality Mark :

- 1 - The quality mark (form no. 1) shall be marked by serial number and each licensed firm shall be given one mark according to the precedence in licensing.
- 2 - The firm shall be required to form "the quality mark granted with its distinct number" from a material similar to that from which the moulds are made, and fix them in the moulds or moulding press in a way ensuring that they are distinctly marked on the produced blocks and are difficult to remove. The producing factory's name and/or trade mark shall also be included in the mould, provided that the permitted tolerances in the dimensions of the concrete blocks, as stated in the Local Order, shall not be exceeded as a result of this.

Secondly : Form of Application for Quality Mark :

The firm shall apply to Construction Quality Control and Research Section for the form of the quality mark after obtaining the firm's licence from the Trade Licence and Commercial Registration Department of the Municipality.

Thirdly : Certificate of Compliance and Non-Compliance :

Forms nos. 3 and 4 consecutively and issued by the Section on basis of the testing results of each production lot from the factories licensed by Dubai Municipality.

The importers of the blocks which is not produced in the licensed factories in the Emirate of Dubai shall apply to Construction Quality Control and Research Section for the certificates of compliance before using these blocks.

Article (3)

The Section and the firm shall agree on implementation of a quality control plan to guarantee that the production comply with the provisions and specifications of the Local Order and its Executive Regulation, and the continuity of conformity.

Article (4)

This shall come into force as from the date of issue of the Local Order No. 44/1990 and its Executive Regulation, and The Construction Quality Control and Research Section shall implement it.

Director of Municipality

Copies to :

- The Technical Departments
- Trade Licence and Commercial Registration Dept.
- Construction Quality Control & Research Section.
- General/Private File.





FORM OF QUALITY MARK

A - GENERAL INFORMATION FILLED IN BY FIRM APPLYING FOR QUALITY MARK

- 1 - Name of the firm :
- 2 - Location of the firm :
- 3 - Address ;
- 4 - Licence No. issued by Dubai Municipality :
- 5 - Date of issue :
- 6 - Products licensed for production and conforming with the specifications of the Local Order No. 44/T990.

6 - 1	_____	Annual production : _____
6 - 2	_____	Annual production : _____
6 - 3	_____	Annual production : _____
6 - 4	_____	Annual production : _____
6 - 5	_____	Annual production : _____

Applicant : _____ Signature : _____
 Date : _____

B - DATA ON QUALITY MARK GRANTED BY DUBAI MUNICIPALITY

1 - Pattern of quality mark :	Firm Code : _____
2 - Granted mark No. :	Date : _____

Head of Construction Research Section
 Municipality Stamp

GENERAL NOTES :

- 1 - Part A shall be signed by the person in charge of the firm.
- 2 - Municipality has the right to require any additional data.
- 3 - This application shall be renewed with the trade licence.
- 4 - This mark shall be inscribed on the product to demonstrate to its conformity with the specifications.
- 5 - Firm Code shall be grooved on each Block.

CERTIFICATE OF COMPLIANCE

DATE :

COC. NO. :

THIS IS TO CERTIFY THAT C.Q.C. & R.S. DUBAI MUNICIPALITY HAS CARRIED OUT THE FOLLOWING TESTS:-

(1)

(2)

(3)

(4)

ON A BLOCKS SAMPLE BEARING THE FOLLOWING INFORMATION :-

SENDER'S NO. :

TYPE AND SIZE OF BLOCK :

LOT NO. :

LOT SIZE :

PRODUCTION NOS :

PRODUCTION DATE :

NAME OF BLOCK FACTORY :

AS PER LOCAL ORDER NO. 44 : 1990 AND ITS ADMINISTRATIVE ORDER AND AS PER ATTACHED TEST REPORTS NOS: ...CR90 - , GR 91 - THE LOT WAS FOUND COMPLYING TO THE LOCAL ORDER SPECIFICATION IN RESPECT TO

A. SHARAFI

HEAD OF CONSTRUCTION QUALITY CONTROL & RESEARCH SECTION

CERTIFICATE OF NON COMPLIANCE

DATE

CONC. NO. :

THIS IS TO CERTIFY THAT C.Q.C. & R.S. DUBAI MUNICIPALITY HAS CARRIED OUT THE FOLLOWING TESTS:-

(1)

(2)

(3)

(4)

ON A BLOCKS SAMPLE BEARING THE FOLLOWING INFORMATION :-

SENDER'S NO. :

TYPE AND SIZE OF BLOCK :

LOT NO. :

LOT SIZE :

PRODUCTION NOS :

PRODUCTION DATE :

NAME OF BLOCK FACTORY :-

AS PER LOCAL ORDER NO. 44 : 1990 AND ITS ADMINISTRATIVE ORDER AND
AS PER ATTACHED TEST REPORTS NOS: ...CR 90 -

THE LOT WAS FOUND NOT COMPLYING TO THE LOCAL ORDER
SPECIFICATION IN RESPECT TO

A. SHARAFI

HEAD OF CONSTRUCTION QUALITY CONTROL & RESEARCH SECTION