



AL WATANIA PRECAST
C O M P A N Y
CONCRETE BUILDING INDUSTRY (L.L.C.)

الوطنية بريكاست
لصناعة المباني الخرسانية ذ.م.م



PREQUALIFICATION DOCUMENTS

PREQUALIFICATION DOCUMENTS



الوطنية بريكااست
لصناعة المباني الخرسانية ذ.م.م

AL WATANIA PRECAST CONCRETE BUILDING INDUSTRY (L.L.C.)

Tel. No.	+971555100996
Mob	+971 555100996
E-Mail	info@wataniaprecast.ae
Website	www.wataniaprecast.ae

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About Company

Al Watania Precast Building Industry L.L.C Company is involved in the manufacture of precast concrete products for well-diversified group of clients. Our products are manufactured by a highly skilled and dedicated team of technicians using advanced and modern methods in concrete technology under the supervision of highly qualified and well-experienced civil engineers. Products are comprehensively tested and approved by independent testing laboratories to ensure strict quality control and dimensional accuracy. Our modern plant and equipment, ample facilities and the ability to produce various concrete products to given standards and specifications places us in the top ranks of precast concrete manufacturers in U.A.E.

We have a well organized factory situated in the Um Al Quwain new Industrial area 22 Umm Dera of U.A.E. The factory has total area of 53,800 square feet. Area

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Company Organization

The Company organization is typical in nature, independent and simple in its structure, which offers a broad field of authority and interaction in the management system.

Al Watania Precast Concrete Building Industry L.L.C. has various departments, under the general management headed by well qualified managers, having vast experience in the management fields.

Qualified and experienced engineers form the basic staff of the company, while the respective professionals head the Accounts and Administration departments. The Government affairs, Public Relations, Visas, Permits and the like are administered by well experienced Public Relations Officer.

The management, as its basic function controls administration and policy matters of the company and in the meantime promotes clients relations, business prospects and development of quality assurance, safety standards and labor welfare.

Al Watania Precast Building Industry L.L.C is offering its services to all the Emirates.

Every customer has different needs, and our management team is equipped to work with the customer to analyze those needs, create a plan to best satisfy those needs, and then ensure that the plan is executed in the most efficient and effective manner. Each member on the management is highly qualified and experienced and brings with them a unique skill set that rivals any in the industry.

MANAGEMENT

The procurement manager conducts the business material purchases. It coordinates the procurement of all the material and services necessary for the smooth operations of the company's operational activities. It is suitably staffed to man each of the groups with due consideration to overseas and local purchasing, shipping, and expediting and documentation requirements.

Procurement Management

Accounting Department

The Accounting department meets the day to day financial operations of the company including the cost accounting at various job sites, handling banking matters and controls the warehouses.

The procurement manager conducts the business material purchases. It coordinates the procurement of all the material and services necessary for the smooth operations of the company's operational activities. It is suitably staffed to man each of the groups with due consideration to overseas and local purchasing, shipping, and expediting and documentation requirements.

Mechanical & Automation Department

The image shows an organizational chart for Al Watania Precast Building Industry L.L.C. It features a central circular structure with four main departments, each represented by an orange arrow pointing towards the center. The departments are: Personnel & Administration (top-left), Permits, Government Affairs & Insurance (top-right), Contract Department (bottom-left), and a fourth department (bottom-right) which is partially obscured. The background is white with dark blue vertical bars and a large, light gray circular graphic in the center.

Personnel & Administration

The manager of the personnel and administration department is responsible for all personnel affairs and the administrative functions, the manager supported by an assistant, is responsible for recruitment, housing, labor welfare, travel, medical and visas.

The department assigns a representative at each job site for the administration of personal affairs and labor welfare.

Permits, Government Affairs & Insurance

Contract Department

The contracts department administers all contracts undertaken by Al Watania Precast Building Industry L.L.C . The manager is responsible for the allocation of manpower, transportation and equipment required for the successful execution of contract. Variations and change of orders are negotiated and controlled by the contracts department.

The sales department functions as the link to all client inquiries prior to finalization of a contract as well as seeking out any on-going and future projects, handles all pre-qualification documents, proposals, and any other pre-requisites that may be required by our clients and creates a good relationship with the clients.

The estimation group prepares necessary costs for all inquiries in strict confidentiality and keeps track of current market prices, handles all technical data documentation and submittals.

Sales & Estimation Department

Accounting Department

Quality assurance, Quality control reports to General Manager and all matters related to safety at the project locations.

TRADE LICENSE

Government of Umm Al Quwain
Department of Economic Development



حكومة أم القيوين
دائرة التنمية الاقتصادية

Industrial License رخصة صناعية

License Details		تفاصيل الرخصة	
License Number	35616	رقم الرخصة	
Trade Name	AL WATANIA PRECAST CONCRETE BUILDING INDUSTRY LLC	الإسم التجاري	الوطنية بريكاست لصناعة المباني الخرسانية ذ.م.م
Legal Form	Single Owner Company	الشكل القانوني	شركة الشخص الواحد ذ.م.م
Issue Date	26/07/2023	تاريخ الإصدار	
Expiry Date	25/07/2024	تاريخ الانتهاء	
Registration No	18793	رقم السجل التجاري	
Main License No		رقم الرخصة الرئيسية	
Telephone	0503317713	الهاتف	
Email	a-02@hotmail.com	البريد الإلكتروني	
Mobile	0509628683	الهاتف المحمول	

Address Details		تفاصيل العنوان	
Lease Contract Number	TC - 33452	رقم عقد الإيجار	
Property Owner	Authority Industrial Umm Al Quwain	مالك العقار	هيئة أم القيوين الصناعية
Region	Umm Dearaa	المنطقة	أم درع
Street	الشيخ محمد بن زايد	الشارع	
Telephone	الهاتف	الهاتف المحمول	0508494666
P.O.Box	صندوق البريد	البريد الإلكتروني	ia.approvals@ia.uaqgov.ae

License Members		أطراف الرخصة	
الصفة	الجنسية	الاسم	
Share	Nationality	Name	
0%	الإمارات العربية المتحدة United Arab Emirates	عبدالله محمد عبدالله الرمضان Ali Abdulla Mohamed Abdulla Alramadani	
100%	الإمارات العربية المتحدة United Arab Emirates	عبدالله محمد عبدالله الرمضان Ali Abdulla Mohamed Abdulla Alramadani	

This Document is Considered as Commercial Register

تعتبر هذه الرخصة بمثابة سجل تجاري

35616	Print Date	26/07/2023	تاريخ طباعة
35616	Payment Voucher No	فاتورة ايداع الشيخ سهود - SSP	رقم إيصال الدفع

هذه الوثيقة هي وثيقة إلكترونية لا تحتاج إلى توقيع أو ختم ويمكن التأكد من صحة بياناتها من خلال الموقع "http://ded-e.uaq.gov.ae"

Activities	الأنشطة
Construction Precast Articles Manufacturing	صناعة أصناف مسبقة الصب للبناء
Importing	استيراد
Exporting	تصدير
Remarks	ملاحظات
Security systems safety certificate شهادة سلامة الأنظمة الأمنية	

This Document is Considered as Commercial Register

تعتبر هذه الرخصة بمثابة سجل تجاري

35616	Print Date	26/07/2023	تاريخ الطباعة
35616	Payment Voucher No.	خاضع لبرنامج الشيخ سعود - SSP	رقم إذن الدفع

هذه الوثيقة هي وثيقة إلكترونية لا تحتاج إلى توقيع أو ختم ويمكن التأكد من صحة بياناتها من خلال الموقع "http://ded-e.uaq.ae"



شهادة تسجيل العضوية Membership Certificate

License No.	35616	رقم الرخصة	Membership No.	18558	رقم العضوية
Member Since	17-07-2023	تاريخ الإنساب	Registration No.	18793	رقم السجل التجاري
Expiry Date	25-07-2024	تاريخ الإنتهاء	Issue Date	26-07-2023	تاريخ الإصدار
				الوطنية ويكاست لصناعة المباني الخرسانية ذ.م.م	الاسم التجاري
Trade Name	AL WATANIA PRECAST CONCRETE BUILDING INDUSTRY LLC				
Legal Status	Single Owner Company LLC			شركة الشخص الواحد ذ.م.م	الشكل القانوني
Activity	النشاط				
- Importing - Exporting - Construction Precast Articles Manufacturing			استيراد - تصدير - صناعة أصناف مسبقة الصب للبناء -		

Remarks

This is a certified e-document issued without signature by the Umm Al Qowain Chamber of Commerce & Industry
Kindly scan the barcode to verify the certificate or visit our website



الملاحظات

هذه وثيقة الكترونية معتمدة وصادرة بدون توقيع من غرفة أم القيوين للتجارة والصناعة. لمراجعة صحة البيانات الواردة في الرخصة يرجى مسح رمز الاستجابة الفورية أو زيارة موقع الغرفة

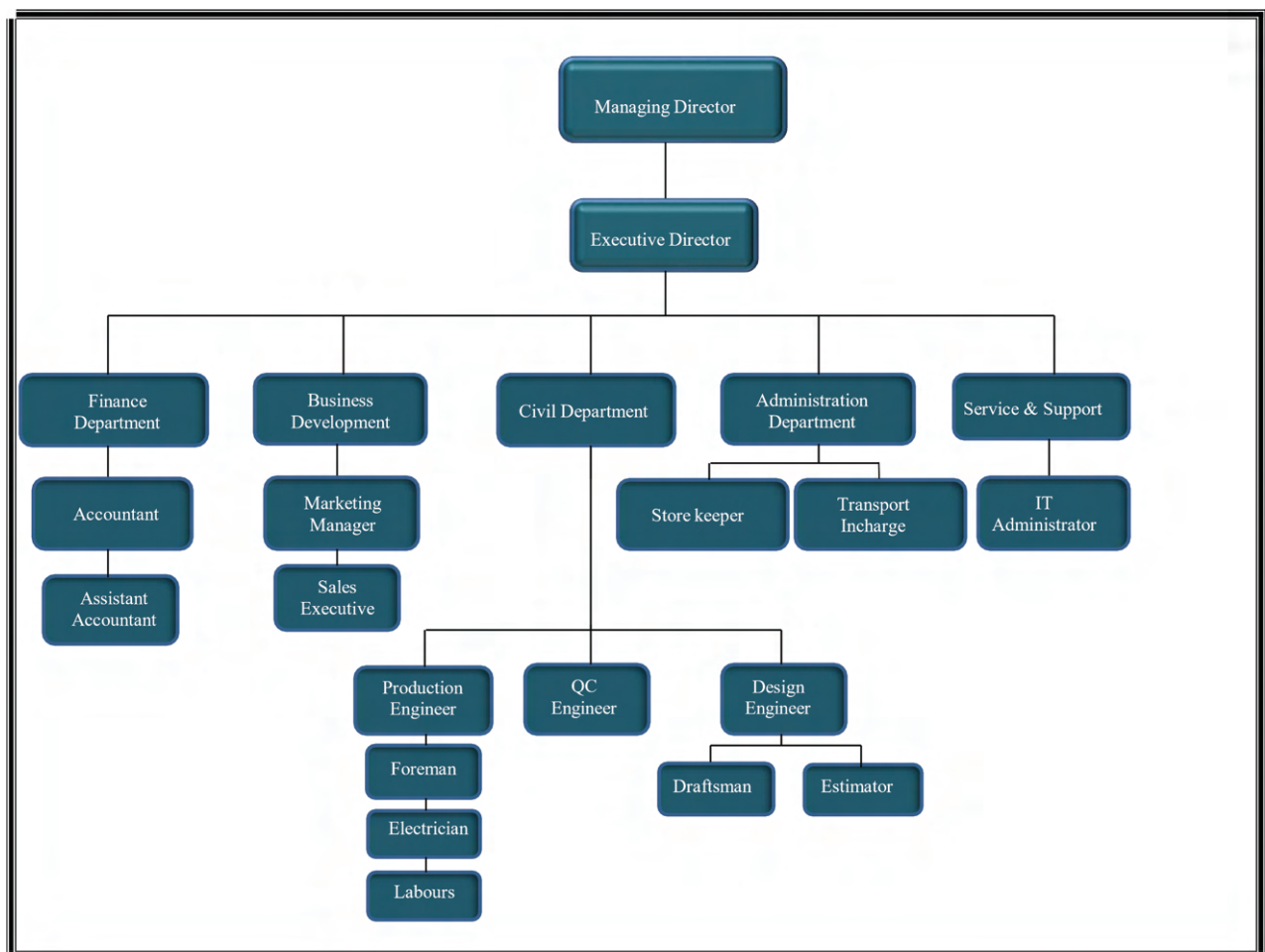
Tel: 06 7651111 , Fax: 06 7655055 , P.O.Box: 436 , UAQ - United Arab Emirates

E-mail: memberscare@uaqchamber.ae , www.uaqchamber.ae

هاتف: 067651111 , فاكس: 067655055 , ص.ب: 436 , أم القيوين - الإمارات العربية المتحدة

23726133443782

ORGANIZATIONAIL CHART



QUALITY CERTIFICATE

AL HOTY - STANGER LLC.
Independent Testing Laboratories
and Materials Consultants



الحوتي ستانجر ش.ذ.م.م
مختبرات فحص مستقلة -
مستشارو المواد



eiaaci
مركز الاعتمادات العالمي للمختبرات
Emirates International Accreditation Centre
LB-TEST-053

DETERMINATION OF COMPRESSIVE STRENGTH OF CONCRETE CUBES BS 1881 PART-116:1983

Client : AL WATANIA PRECAST CONCRETE BUILDING INDUSTRY

L.L.C Address : UMM AL QUWAIN - UNITED ARAB EMIRATES

Contact person : Mr. Ahmed

Contract/LPO No.: PO No.103/23



Report no.: RR23-024347-2

Project name : MANUFACTURE & SUPPLY OF 1000x1000x1200mm FOUNDATIONS

Project number : Temporary data center Plot-25 and 25

Request no. : RJ23-010261

Owner : -

Sample no. : RS23-024347

Consultant : -

Report date : 10/05/2023

Contractor : Alec Electro mechanical
Cont.

SubContractor : Al Watania Precast L.L.C

Project location : Abu Dhabi

Sample description : Concrete cubes[as Identified by client]

Client Ref. No. : Not given

Source of sample : Al Fahad Ready Mix Industry LLC

Class of concrete : C40/20 - 100% SRC

Sampled by : Al Watania Precast
L.L.C

No. of specimen : 3

Sampling date & time : 10/04/2023 07:00 PM

Cast date & time : 10/04/2023 07:00 PM

Sampling method : BS 1881 - Part 101

Date of test : 08/05/2023

Equipment used : Compacting bar

Actual test age : 28 Days

Method of Compaction : Hand

Requested test age : 28 Days

Place & time of making cubes : Al Watania

Delivery note : Not given

Precast L.L.C , 07:00 pm

Site curing/storage condition : Normal

Volume determination : From Dimension

Moisture condition at test : Saturated

Nominal size (mm) : 150*150*150

Test method : BS 1881 PART-116:1983

Removal of fins : No Fins

Receiving date & time : 15/04/2023 01:00 PM

Cubes made by : Al Fahad Technician

Mix details : C40/20 - 100% SRC

Sample brought in by : Client Representative

Specified strength : 40 N/mm²

Tested by : Azharuddin

Sampling certificate no. : Not given

Test location : AHSL Main-Lab

Lab curing/storage condition : BS 1881-Part 111-1983

Verified by : Sulfikar

Unit sampled from/location : 1000x1000x1200mm
foundation

TEST RESULTS

S. No.	AHSL Specimen Ref. No.	Client Specimen No.	Dimension of Specimen (mm)				Condition of specimen when received	Mass saturated (kg)	Density saturated (kg/mt)	Max load at failure (kN)	Comp. strength (N/mm ²)	Type of fracture
				L	W	H						
1	70170	-	Measured	150	150	150	Satisfactory	8.475	2510	1080	48.0	Satisfactory
2	70171	-	Measured	150	150	150	Satisfactory	8.567	2540	1121	50.0	Satisfactory
3	70172	-	Measured	150	150	150	Satisfactory	8.503	2520	1111	49.5	Satisfactory

Test method variations : None

Remarks : Density Determination : BS 1881 Part 114 : 1983

^A Indicates Al Hoty Stanger(A24,RAKIA) Ras Al Khaimah is accredited by EIAAC (LB-TEST-053)

AHSL certifies that the above test was carried out in accordance with BS 1881 PART-116:1983

Approved by : Mr. Sabeer Abdul Vaheed, Senior

This report relates only to the sample tested and shall only be reproduced in full and with approval of AHS

Laboratories

ABU DHABI, U.A.E.
P.O. BOX 31039
TEL.: (02) 5542234
FAX : (02) 5547015

DUBAI, U.A.E.
P.O. BOX 16756
TEL : (04) 2472201

JEBEL ALI, U.A.E.
P.O. BOX 16756
TEL : (04) 8618461

RAS AL KHAIMAH, U.A.E.
P.O. BOX 34987
TEL : (07) 2432328

KALBA, SHARJAH, U.A.E.
P.O. BOX 16756
TEL : (09) 2779543

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TR/ACON 001/Rev.03

E-mail : alhoty@alhotystangeruae.com Website : www.alhotystangeruae.com

Report no.: RR23-024347-2

**DETERMINATION OF COMPRESSIVE STRENGTH OF
CONCRETE CUBES BS 1881 PART-**

Client : AL WATANIA PRECAST BUILDING INDUSTRY L.L.C Address
: UMM AL QUWAIN - UNITED ARAB EMIRATES

Contact person : Mr. Ahmed

Contract/LPO No.: PO No.109/23

Project name : MANUFACTURE & SUPPLY OF S/S Barriers 3000x450x940mm

Project number : Te

Owner : -

Consultant : -

Contractor : North West marine. LLC

SubContractor : Al Watania Precast L.L.C

Project location : Abu Dhabi

Sample description : Concrete cubes[as Identified by client]

Source of sample : Al Fahad Ready Mix Industry LLC

Sampled by : Al Watania Precast
L.L.C

Sampling date & time : 09/04/2023 04:00 PM

Sampling method : BS 1881 - Part 101

Equipment used : Compacting bar

Method of Compaction : Hand

Place & time of making cubes : Al Watania Precast L.L.C ,04:30 PM

Site curing/storage condition : Normal

Moisture condition at test : Saturated

Test method : BS 1881 PART-116:1983

Receiving date & time : 10/04/2023 11:00 AM

Mix details : C40/20 - 100% SRC

Specified strength : 40 N/mm²

Sampling certificate no. : Not given

Lab curing/storage condition : BS 1881-Part 111-1983

Unit sampled from/location : 3000x450x940mm

Request no. : RJ23-010260

Sample no. : RS23-024346

Report date : 09/05/2023

Client Ref. No. : Not given

Class of concrete : C40/20 - 100% SRC

No. of specimen : 3

Cast date & time : 09/04/2023 04:30 PM

Date of test : 07/05/2023

Actual test age : 28 Days

Requested test age : 28 Days

Delivery note : Not given

Volume determination : From Dimension

Nominal size (mm) : 150*150*150

Removal of fins : No Fins

Cubes made by : Al Fahad Technician

Sample brought in by : Client Representative

Tested by : Azharuddin

Test location : AHSL Main-Lab

Verified by : Sulfikar

TEST RESULTS

S. No.	AHSL Specimen Ref. No.	Client Specimen No.	Dimension of Specimen (mm)				Condition of specimen when received	Mass saturated (kg)	Density saturated (kg/mt)	Max load at failure (kN)	Comp. strength (N/mm ²)	Type of fracture
				L	W	H						
1	70164	-	Measured	150	150	150	Satisfactory	8.339	2470	1065.3	47.5	Satisfactory
2	70165	-	Measured	150	150	150	Satisfactory	8.341	2470	1025.5	45.5	Satisfactory
3	70166	-	Measured	150	150	150	Satisfactory	8.361	2490	996.4	44.5	Satisfactory

Test method variations : None

Remarks : Density Determination : BS 1881 Part 114

Indicates Al Hoty Stanger(A24,RAKLA) Ras Al Khaimah is accredited by EIAC (LB-TEST-053)

AHSL certifies that the above test was carried out in accordance with BS 1881 PART-116:1983

Approved by : Mr. Sabeer Abdul Vaheed, Senior Technician

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EMIRATES / HAMRIYAH STEEL – CERTIFICATES



CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality
hereby attests that the product(s)

Steel for the Reinforcement of Concrete - Weldable Reinforcing Steel

(Details as per the attached Scope of Certification)

manufactured by:

EMIRATES STEEL INDUSTRIES CO. PJS-BRANCH 1 (FORMERLY EISC)
P.O. Box 9022, Industrial City of Abu Dhabi II (ICAD II), Musaffah, Abu Dhabi, U.A.E.

have been assessed in accordance with DCLD Document Ref. No. DM-DCLD-RD-DP21-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

BS 4449: 2005+A3:2016

Accordingly, DCLD hereby authorizes the above manufacturer
to affix the DCL Product Conformity Mark on the above-mentioned product(s).

for / ENGR. ABDULRAHMAN AL ALI
Director, Dubai Central Laboratory Department
Dubai Municipality



Certificate No: CL13020197
Valid Until: 21/08/2023



Current Issue Date: 22/08/2022
Original Issue Date: 22/08/2013



Active new window.
Go to Settings to activate.

DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME
SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL13020197

Certificate Issued To: EMIRATES STEEL INDUSTRIES CO. PJS - Branch I
P.O. Box 9022, Industrial City of Abu Dhabi II (ICAD II),
Musaffah, Abu Dhabi, U.A.E.

Applicable Standard Specification: **BS 4449:2005 + A3:2016** - Specification for Steel for
the Reinforcement of Concrete-Weldable reinforcing
steel-Bar, coil and decoiled product

Applicable Specific Rules: **DM-DCLD-RD-DP21-2129 (IC)** "Specific Rules for
Certification of Reinforcing Steel Bars (as per BS
4449:2005 + A3:2016) Through Factory Assessment".

S/N	PRODUCT DESCRIPTION	MARKING	PRODUCT DETAILS
1	Steel for the reinforcement of concrete	As per attached DCL Approved Bar Markings in accordance with DM-DCLD-RD-DP21-2091 (IC)	Grade B500B Diameter Size : 8 mm to 32 mm in bars

NOTE1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.
NOTE2: The above product shall bear the DCL Conformity Mark.

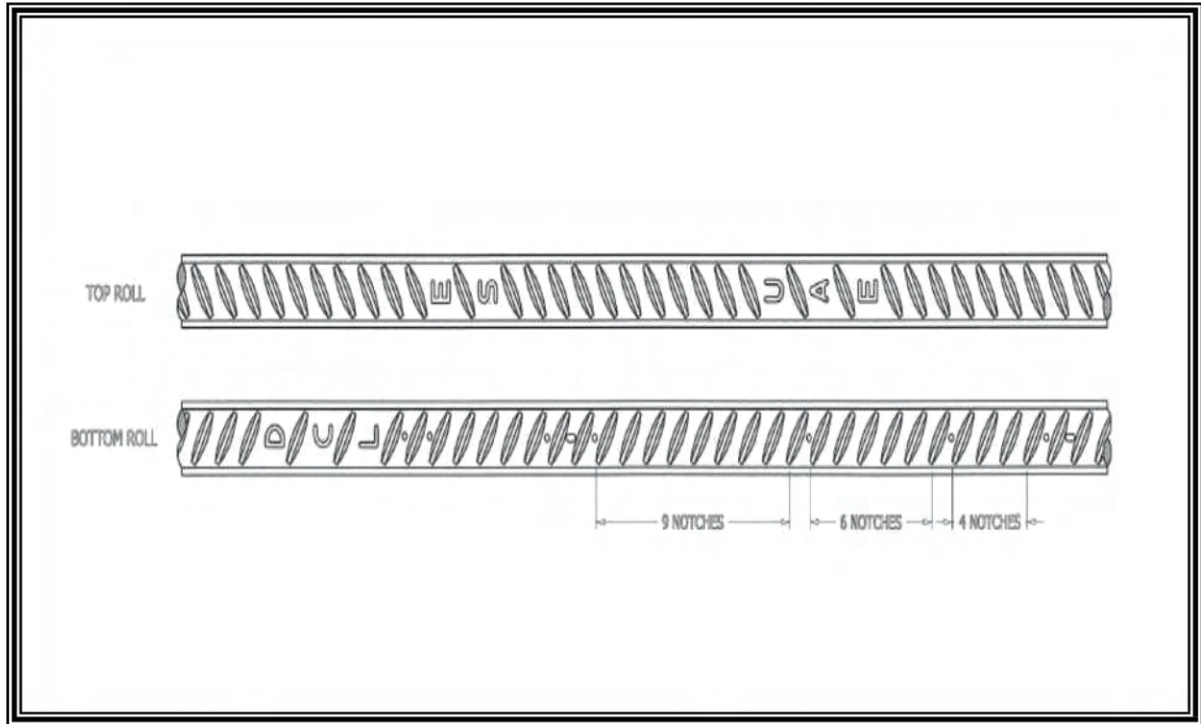
Original Issue Date : 22 August 2013
Current Issue Date : 22 August 2022
Valid Until : 21 August 2023



ARIF HUSAIN AL MARZOOQI
Products Conformity Assessment Section Manager
Dubai Central Laboratory Department



CERTIFIED FACTORY	EMIRATES STEEL INDUSTRIES CO. PJS - BRANCH I
FACTORY LOCATION	P.O. Box 9022, Industrial City of Abu Dhabi II (ICAD II), Musaffah, Abu Dhabi, U.A.E.
CERTIFICATE NUMBER	CL13020197
COUNTRY CODE	9
MILL NUMBER	64
STANDARD SPECIFICATION	BS 4449:2005 + A3:2016



CERTIFICATE OF APPROVAL



Product Conformity Certification - BS 4449 and/or
related products

Page
1 of 2

This is to certify that

Emirates Steel Industries Co. PJSC

at its establishment at

PO Box 9022, Mussafah, Abu Dhabi, United Arab Emirates

has satisfied the Authority that it operates a quality management system that complies with the requirements of BS EN ISO 9001 and the relevant CARES Quality and Operations Assessment Schedules. Where appropriate, and as listed below, it has further satisfied the Authority that it manufactures and/or supplies products that conform with the stated product standards and is entitled to use the CARES marks on its products using the processes and procedures registered with the Authority.

Scope of certification:

Production of steel reinforcement as stated on the attached appendix

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please scan the above Static QR Code with the CARES Cloud App or contact us on +44 1732 450000.

CERTIFICATE NUMBER
040801

FIRST APPROVAL
August 2004

ISSUE DATE
01 January 2023

EXPIRY DATE
31 December 2023

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Officer

Accreditation Mark indicates
Authority for Reinforcing
Guarantee. Registered
40201750 v03



APPENDIX TO CARES CERTIFICATE NO. 040801

EMIRATES STEEL INDUSTRIES CO. PJSC
PO BOX 9022, MUSSAFAH, ABU DHABI
UNITED ARAB EMIRATES



Product Conformity Certification - BS 4449 and/or
related products

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2 of 2

SRC-Appendix 01 Carbon steel bars and coils

Scope of certification:

BS 4449 2005 Grade B500B Bar 8 to 40mm
BS 4449 2005 Grade B500B Coil 8 to 16mm
ES 600 Bar 10 to 32mm

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please scan the above Static QR Code with the CARES Cloud App or contact us on +44 1732 450000.

CERTIFICATE NUMBER
040801

FIRST APPROVAL
August 2004

ISSUE DATE
01 January 2023

EXPIRY DATE
31 December 2023

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Officer

Accreditation Mark indicates
Authority for Reinforcing
Guarantee. Registered
40201750 v03



0002

CERTIFICATE OF APPROVAL



Quality Management System Certification

This is to certify that

Emirates Steel Industries Co. PJSC

at its establishment at

PO Box 9022, Mussafah, Abu Dhabi , United Arab Emirates

has been approved by the Authority to the following management system standard using the processes and procedures registered with the Authority:

BS EN ISO 9001: 2015

Scope of certification:

Production of directly reduced iron

Production of continuously cast steel billets, beam blanks and blooms.

Production of hot rolled steel bar and coil for the reinforcement of concrete.

Production of hot rolled plain round steel wire rod in coil.

Production of hot rolled non alloy structural steel products (Beams, columns, channels and sheet piles) to the producers and/or customer requirements;

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please scan the above Static QR Code with the CARES Cloud App or contact us on +44 1732 450000.

CERTIFICATE NUMBER

1122

FIRST APPROVAL

August 2004

ISSUE DATE

29 June 2021

EXPIRY DATE

29 June 2024

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Officer

Accreditation Mark indicates
Authority for Reinforcing
Guarantee. Registered
40201151 v02



0002

CERTIFICATE OF PRODUCT CONFORMITY

Dubai Central Laboratory Department (DCLD) of Dubai Municipality hereby attests that the product(s)

Steel for the Reinforcement of Concrete - Weldable Reinforcing Steel

(Details as per the attached Scope of Certification) manufactured

by:

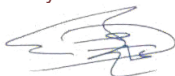
HAMRIYAH STEEL FZC

P.O. Box 42142 Hamriyah Free Zone Authority, Phase 2, Sharjah, UAE

have been assessed in accordance with DCLD Document Ref. No. DM-DCLD-RD-DP21-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

BS 4449: 2005+A3:2016

Accordingly, DCLD hereby authorizes the above manufacturer to affix the DCL Product Conformity Mark on the above-mentioned product(s).



for / ENGR. AMIN AHMED AMIN
Director, Dubai Central Laboratory Department



CB-PRD-001 Dubai Municipality

Certificate No:
Valid Until:

CL15020252 Current Issue Date:
11/08/2023 Original Issue Date:

12/08/2022
12/08/2015

DUBAI CENTRAL LABORATORY DEPARTMENT
DCL PRODUCT CONFORMITY CERTIFICATION SCHEME
SCOPE OF CERTIFICATION
FOR CERTIFICATE NO. CL15020252

Certificate Issued To: HAMRIYAH STEEL FZC
P.O. Box 42142 Hamriyah Free Zone Authority, Phase 2,
Sharjah, UAE

Applicable Standard Specification: **BS 4449: 2005 + A3: 2016** - Specification for Steel for the
reinforcement of concrete-Weldable reinforcing steel – Bar,
coil and decoiled product.

Applicable Specific Rules: **DM-DCLD-RD-DP21-2129 (IC)** "Specific Rules for
Certification of Reinforcing Steel Bars (as per BS 4449:2005
+ A3:2016) Through Factory Assessment".

S/N	Product Description	Marking	Product Details
1	Steel for the reinforcement of concrete	As per attached DCL Approved Bar Markings in accordance with DM-DCLD-RD-DP21-2091 (IC)	Grade B500B in Bars Diameter Size : 8 mm to 40 mm


NOTE 1: This document forms part of the Certificate of Product Conformity bearing the same certificate number.

NOTE 2: The above product shall bear the DCL Conformity Mark.

Original Issue Date : 12 August 2015

Current Issue Date : 12 August 2022

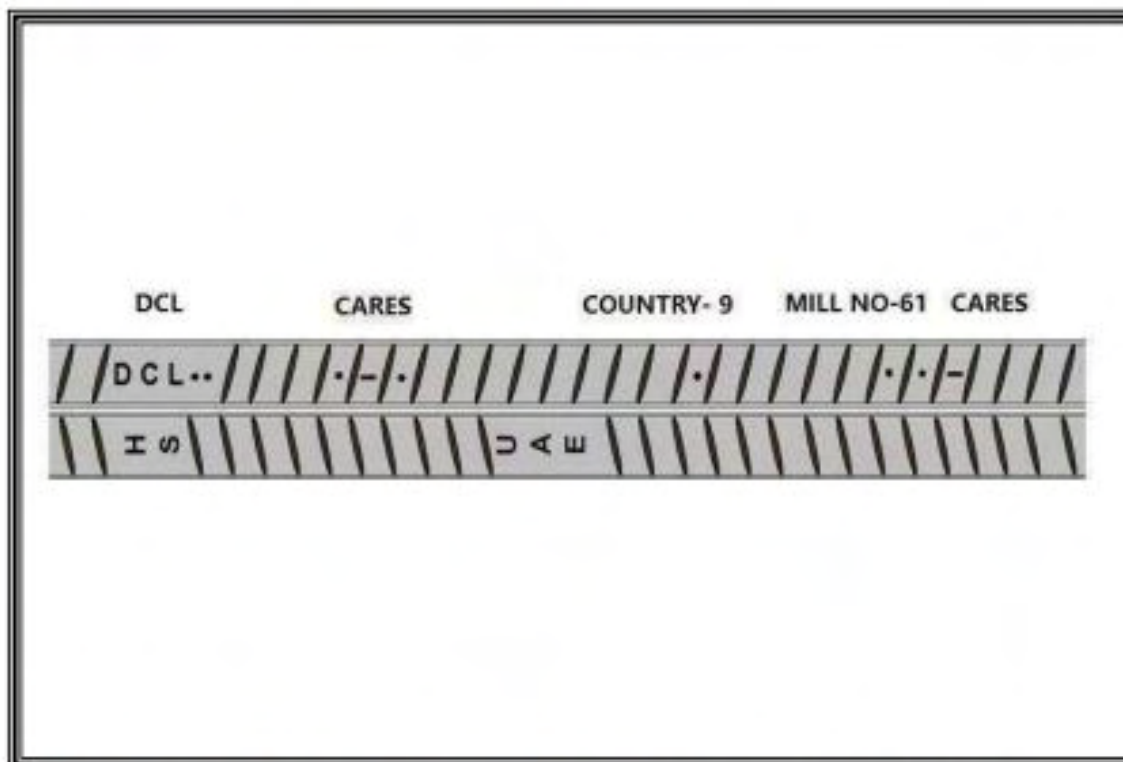
Valid Until : 11 August 2023



ARIF HUSAIN AL MARZOOQI
Products Conformity Assessment Section Manager
Dubai Central Laboratory Department

DUBAI CENTRAL LABORATORY DEPARTMENT
PRODUCTS CONFORMITY ASSESSMENT SECTION
APPROVED STEEL BAR MARKING
Certification Scheme for Reinforcing Steel

CERTIFIED FACTORY	HAMRIYAH STEEL FZC
FACTORY LOCATION	P.O. Box 42142, Hamriyah Free Zone Authority, Phase 2 Sharjah, UAE
CERTIFICATE NUMBER	CL15020252
COUNTRY CODE	9
MILL NUMBER	61
STANDARD SPECIFICATION	BS 4449: 2005 + A3: 2016



NOTE: Please refer to the Certificate mentioned above and its Scope of Certification for details regarding the validity and the sizes covered.

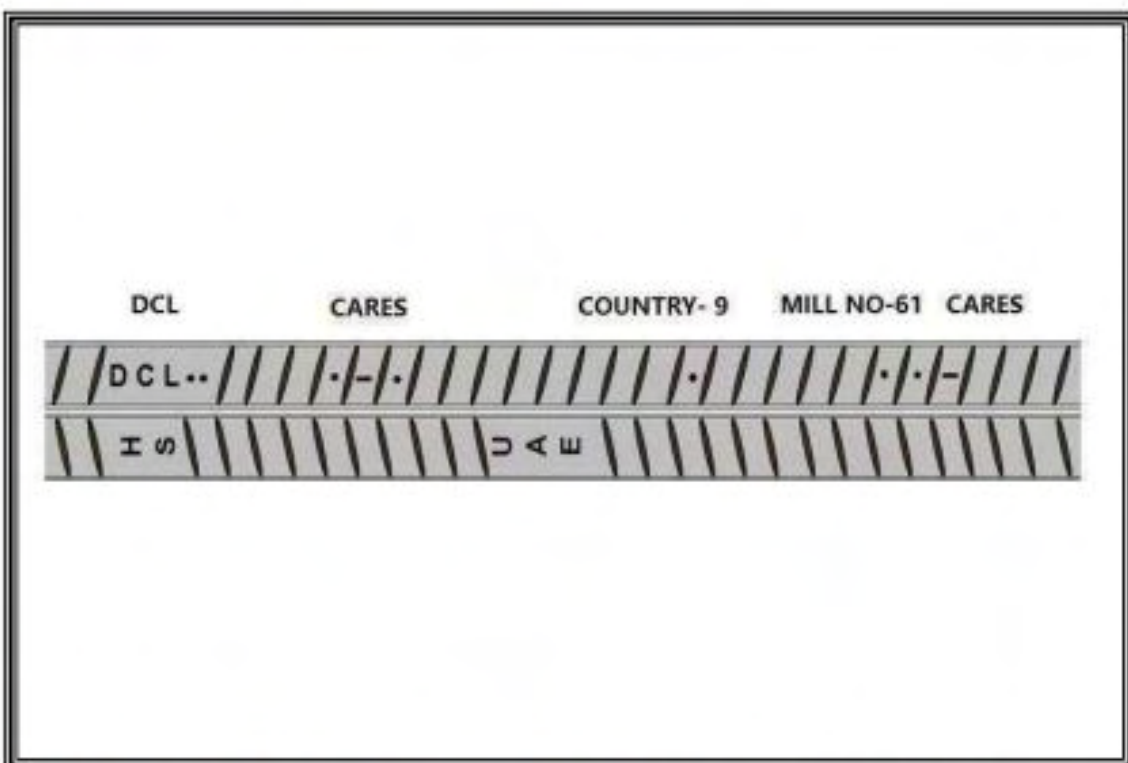
APPROVED BY:

ARIF HUSAIN AL MARZOOQI

Products Conformity Assessment Section Manager

DUBAI CENTRAL LABORATORY DEPARTMENT
PRODUCTS CONFORMITY ASSESSMENT SECTION
APPROVED STEEL BAR MARKING
Certification Scheme for Reinforcing Steel

CERTIFIED FACTORY	HAMRIYAH STEEL FZC
FACTORY LOCATION	P.O. Box 42142, Hamriyah Free Zone Authority, Phase 2 Sharjah, UAE
CERTIFICATE NUMBER	CL15020252
COUNTRY CODE	9
MILL NUMBER	61
STANDARD SPECIFICATION	BS 4449: 2005 + A3: 2016



NOTE: Please refer to the Certificate mentioned above and its Scope of Certification for details regarding the validity and the sizes covered.

APPROVED BY:

ARIF HUSAIN AL MARZOOQI
Products Conformity Assessment Section Manager

DM-DCLD-F-IC-2045 R4

بيانات مفتوحة / OPEN DATA

CERTIFICATE OF APPROVAL



Product Conformity Certification - BS 4449 and/or
related products

Page
1 of 2

This is to certify that

Hamriyah Steel FZC

at its establishment at

**Hamriyah Free Zone, Phase 2, Sharjah, PO Box 42142, United
Arab Emirates**

has satisfied the Authority that it operates a quality management system that complies with the requirements of BS EN ISO 9001 and the relevant CARES Quality and Operations Assessment Schedules. Where appropriate, and as listed below, it has further satisfied the Authority that it manufactures and/or supplies products that conform with the stated product standards and is entitled to use the CARES marks on its products using the processes and procedures registered with the Authority.

Scope of certification:

Production of steel reinforcement as stated on the attached appendix

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please scan the above Static QR Code with the CARES Cloud App or contact us on +44 1732 450000.

CERTIFICATE NUMBER
100702

FIRST APPROVAL
July 2010

ISSUE DATE
01 January 2023

EXPIRY DATE
31 December 2023

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Officer

Accreditation Mark indicates
Authority for Reinforcing
Guarantee. Registered
56701898 v03

0002.



0002

APPENDIX TO CARES CERTIFICATE NO. 100702

HAMRIYAH STEEL FZC

HAMRIYAH FREE ZONE, PHASE 2, SHARJAH
PO BOX 42142, UNITED ARAB EMIRATES



Product Conformity Certification - BS 4449 and/or
related products

Page
2 of 2

SRC-Appendix 01 Carbon steel bars and coils

Scope of certification:

BS 4449 2005 Grade B500B Bar 8 to 40mm

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please scan the above Static QR Code with the CARES Cloud App or contact us on +44 1732 450000.

CERTIFICATE NUMBER
100702

FIRST APPROVAL
July 2010

ISSUE DATE
01 January 2023

EXPIRY DATE
31 December 2023

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Officer

Accreditation Mark indicates
Authority for Reinforcing
Guarantee. Registered
56701898 v03

0002.



0002

CERTIFICATE OF APPROVAL



Quality Management System Certification

This is to certify that

Hamriyah Steel FZC

at its establishment at

Hamriyah Free Zone, Phase 2, Sharjah, PO Box 42142, PO Box 42142, United Arab Emirates

has been approved by the Authority to the following management system standard using the processes and procedures registered with the Authority:

BS EN ISO 9001: 2015

Scope of certification:

Production of hot rolled steel bar for the reinforcement of concrete

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please visit www.ukcares.com or contact us on +44 1732 450000.

CERTIFICATE NUMBER

1246

FIRST APPROVAL

July 2010

ISSUE DATE

20 April 2021

EXPIRY DATE

20 April 2024

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Officer

Accreditation Mark indicates
Authority for Reinforcing
Guarantee, Registered
56701 296

002.



002

EMIRATES / HAMRIYAH STEEL - MILL TEST CERTIFICATES

Emirates Steel Industries Co. PJSC
PO Box 9022, Industrial City of Abu Dhabi (ICAD)
Musaffah, Abu Dhabi, UAE
T.: +971 2 5511187 F.: +971 2 5072650
emiratessteel.com

شركة الإمارات لصناعات الحديد والصلب
ص.ب. ٩٠٢٢، مدينة أبوظبي الصناعية (إكاد)
مسافى، أبوظبي، الإمارات العربية المتحدة
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emiratessteel.com

MILL TEST CERTIFICATE

CUSTOMER NAME/ADDRESS راس الخيمة
RAK Middle East Traders LLC
PO Box No. 6578
Ras Al Khaima
AE

SHIPPING ADDRESS راس الخيمة
RAK Middle East Traders LLC
PO Box No. 6578
Ras Al Khaima
AE

Certificate No. 351284/22
Date Of Issue 17/01/2022
Dispatch No. 70644999
Sales Order No. 15009679
Customer No. 10211

TSU-GR-PM-046 TSS02:3 DATE:24.12.2020

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL				CAST ANALYSIS %													
		Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (A5)	Reduction of Area (RA)	C	Si	Mn	P	S	N	Cr	Cu	Mo	Ni	V	B	C	Eq
Bar 8mm 12m BS 4449/05 Gr B 500B	1114249	48.3	587	661	7.90	0.22	0.14	0.56	0.014	0.013	0.0081	0.01	0.021	0.001	0.021	0.003	0.0003	0.302	
Bar 8mm 12m BS 4449/05 Gr B 500B	1114407	48.3	569	681	6.90	0.22	0.15	0.55	0.015	0.018	0.0073	0.008	0.012	0.000	0.013	0.003	0.0003	0.320	
Bar 8mm 12m BS 4449/05 Gr B 500B	1114417	48.4	585	663	6.90	0.22	0.15	0.57	0.016	0.010	0.0086	0.002	0.012	0.000	0.014	0.003	0.0002	0.322	
Bar 8mm 12m BS 4449/05 Gr B 500B	1114417	48.7	569	687	7.00														

Bend Test : Satisfactory
Rebend Test : Satisfactory
Manufacturing process :
Quenched & self-tempered
Test Method: ASTM E415 / BS EN ISO 15630-1

Page 1 of 3

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emiratessteel.com

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مسافى، أبوظبي، الإمارات العربية المتحدة
ت: +٩٧١ ٢٥٠٧٢٦٥ ف: +٩٧١ ٢٥١١١٨٧
emiratessteel.com

MILL TEST CERTIFICATE (BS4449 :2005 Grade B500B)

CUSTOMER NAME/ADDRESS راس الخيمة
RAK Middle East Traders LLC
PO Box No. 6578
Ras Al Khaima
AE

SHIPPING ADDRESS راس الخيمة
RAK Middle East Traders LLC
PO Box No. 6578
Ras Al Khaima
AE

Certificate No. 164924/22
Date Of Issue 24/03/2022
Dispatch No. 70654924
Sales Order No. 15009791
Customer No. 10211

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL				CAST ANALYSIS %													
		Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (A5)	Reduction of Area (RA)	C	Si	Mn	P	S	N	Cr	Cu	Mo	Ni	V	B	C	Eq
Bar 10mm 12m BS 4449/05 Gr B 500B	1115589	76.8	581	669	8.00	0.23	0.13	0.55	0.006	0.015	0.0071	0.01	0.030	0.001	0.021	0	0.0002	0.32	
Bar 10mm 12m BS 4449/05 Gr B 500B	1115590	77.3	574	665	8.10	0.21	0.14	0.54	0.009	0.015	0.0071	0.005	0.020	0.000	0.017	0.001	0.0002	0.32	
Bar 10mm 12m BS 4449/05 Gr B 500B	1115594	76.6	585	671	7.90	0.20	0.15	0.58	0.013	0.015	0.0080	0.008	0.019	0.000	0.016	0.004	0.0002	0.32	

Bend Test : Satisfactory
Rebend Test : Satisfactory
Manufacturing process :
Quenched & self-tempered
Test Method: ASTM E415 / BS EN ISO 15630-1

Page 1 of 2

Emirates Steel Industries Co. P.JSC
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emiratessteel.com

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مصفح، أبو ظبي، أ.ع.
+٩٧١ ٢ ٥٥١١١٨٧ ت +٩٧١ ٢ ٥٠٧٢٦٥٠ ف
emiratessteel.com

TSR-GR-FM-046 ISSUE:3 DATE:10.01.2022

مديد الإمارات
emirates steel

MILL TEST CERTIFICATE (BS4449 : 2005 Grade B500B)

CUSTOMER NAME/ADDRESS اسم العميل RAK Middle East Traders LLC
PO Box No. 6578
Ras Al Khaima
AE

SHIPPING ADDRESS عنوان الشحن RAK Middle East Traders LLC
PO Box No. 6578
Ras Al Khaima
AE

Certificate No. 161464/22
Date Of Issue 08/03/2022
Dispatch No. 70652281
Sales Order No. 15009790
Customer No. 10211

رقم شهادة المنتج تاريخ الإصدار رقم أمر البيع رقم أمر الشراء رقم العميل

PRODUCT DESCRIPTION

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL					CAST ANALYSIS %												
		ACTUAL TENSILE MPa	CHARACTERISTIC TENSILE MPa	YIELD STRESS MPa	ELONGATION AT MAX. FORCE %	REDUCED ELONGATION AT MAX. FORCE %	C	SI	Mn	P	S	N	Cu	Cr	Mo	Ni	V	B	C.Eq
Rebar 14mm 12m BS 4449/05 Gr B 500B	1115393	1.175	149.7	569	661	8.10	0.22	0.14	0.55	0.014	0.013	0.0079	0	0.014	0.000	0.014	0.002	0.0003	0.318
		1.172	149.2	537	631	8.50													
		1.169	148.8	565	659	8.20													
		1.178	150.1	535	630	8.70													
		1.169	148.9	556	644	8.40													
Rebar 14mm 12m BS 4449/05 Gr B 500B	1115394	1.184	150.8	592	681	7.90	0.21	0.14	0.55	0.012	0.014	0.0075	0.066	0.014	0.001	0.019	0.001	0.0002	0.312
		1.183	150.7	573	665	8.00													
		1.181	150.4	585	679	7.80													
		1.187	151.2	574	665	7.90													
		1.185	151.0	575	666	7.70													
		1.184	150.9	577	672	7.60													

Sampling plan and method are in accordance with TSR-GR-QP-001.
The Material is free from any known Radioactive Contamination.

Page 1 of 1

Emirates Steel Industries Co. P.JSC
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Musaffah, Abu Dhabi, UAE
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مصفح، أبو ظبي، أ.ع.
+٩٧١ ٢ ٥٥١١١٨٧ ت +٩٧١ ٢ ٥٠٧٢٦٥٠ ف
emiratessteel.com

TSR-GR-FM-046 ISSUE:3 DATE:10.01.2022

مديد الإمارات
emirates steel

MILL TEST CERTIFICATE (BS4449 : 2005 Grade B500B)

CUSTOMER NAME/ADDRESS اسم العميل RAK Middle East Traders LLC
PO Box No. 6578
Ras Al Khaima
AE

SHIPPING ADDRESS عنوان الشحن RAK Middle East Traders LLC
PO Box No. 6578
Ras Al Khaima
AE

Certificate No. 167671/22
Date Of Issue 07/04/2022
Dispatch No. 70657502
Sales Order No. 15009873
Customer No. 10211

رقم شهادة المنتج تاريخ الإصدار رقم أمر البيع رقم أمر الشراء رقم العميل

PRODUCT DESCRIPTION

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL					CAST ANALYSIS %												
		ACTUAL TENSILE MPa	CHARACTERISTIC TENSILE MPa	YIELD STRESS MPa	ELONGATION AT MAX. FORCE %	REDUCED ELONGATION AT MAX. FORCE %	C	SI	Mn	P	S	N	Cu	Cr	Mo	Ni	V	B	C.Eq
Rebar 12mm 12m BS 4449/05 Gr B 500B	1105669	0.872	111.1	554	643	7.40	0.21	0.14	0.55	0.012	0.014	0.008	0.003	0.014	0.000	0.016	0.004	0.0002	0.314
		0.866	110.3	565	650	8.90													
		0.877	111.7	554	640	7.10													
		0.877	111.7	583	665	8.70													
		0.874	111.3	563	649	7.70													
Rebar 12mm 12m BS 4449/05 Gr B 500B	1115466	0.863	109.9	580	653	8.60	0.19	0.16	0.55	0.012	0.009	0.0074	0	0.012	0.000	0.012	0.002	0.0003	0.298
		0.862	109.8	577	653	8.90													
		0.860	109.6	570	645	8.70													
		0.856	109.0	562	640	8.40													
		0.858	109.3	573	654	9.00													
Rebar 12mm 12m BS 4449/05 Gr B 500B	1115879	0.871	111.0	584	679	9.00	0.20	0.14	0.55	0.016	0.008	0.0068	0	0.012	0	0.013	0.004	0.0002	0.297
		0.869	110.2	563	659	9.10													

Sampling plan and method are in accordance with TSR-GR-QP-001.
The Material is free from any known Radioactive Contamination.

Page 1 of 2

Emirates Steel Industries Co. P.S.C.
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العديد الإمارات
emirates steel

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مصطفى، أبو ظبي، أ.ع.
+٩٧١ ٢٥٠٧٦٦٥٠ ف +٩٧١ ٢٥٥١١٨٧ ت
emiratessteel.com

LB-TEST-121

MILL TEST CERTIFICATE (BS4449 :2005 Grade B500B)

CUSTOMER NAME/ADDRESS RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE	SHIPPING ADDRESS RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE	Certificate No. 164822/22	رقم شهادة المنتج 164822/22
		Date Of Issue 24/03/2022	تاريخ الإصدار 24/03/2022
		Dispatch No. 70654795	رقم أمر البيع 70654795
		Sales Order No. 15009791	رقم أمر الشراء 15009791
		Customer No. 10211	رقم العميل 10211

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL				CAST ANALYSIS %													
		Actual Weight kg	Yield Strength MPa	Tensile Strength MPa	Elongation %	C	Si	Mn	P	S	N	Cu	Cr	Mo	Ni	V	B	C	
Bar 20mm 12m BS 4449/05 Gr B 500B	1115629	2.409	306.9	567	663	8.40	0.21	0.15	0.57	0.013	0.014	0.0059	0.006	0.018	0.001	0.019	0.003	0.0002	0.3
		2.391	304.6	572	664	8.90													
		2.398	305.5	564	671	8.10													
		2.394	305.0	566	670	8.30													
		2.395	305.1	563	670	8.60													
Bar 20mm 12m BS 4449/05 Gr B 500B	1115632	2.404	306.2	571	671	8.70	0.21	0.15	0.59	0.013	0.014	0.0079	0.002	0.017	0.000	0.016	0.003	0.0002	0.3
		2.408	306.8	571	676	8.50													
		2.405	306.4	568	669	8.30													
		2.408	306.8	573	673	9.10													
		2.406	306.5	562	662	8.90													
Bar 20mm 12m BS 4449/05 Gr B 500B	1115633	2.415	307.6	592	686	8.90	0.21	0.15	0.58	0.014	0.012	0.008	0	0.015	0.000	0.013	0.002	0.0002	0.3
		2.394	305.0	569	672	9.30													

Product Conformity
BS 4449:2005
Certificate No. CL30928139

Send Test : Satisfactory
Rebend Test : Satisfactory
Manufacturing process :
Quenched & self-tempered
Test Method: ASTM E415 / BS EN
ISO 15630-1

The Material is free from any known Radioactive Contamination.

Page 1 of 2

Emirates Steel Industries Co. P.S.C.
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Musaffah, Abu Dhabi, UAE
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العديد الإمارات
emirates steel

شركة الإمارات لصناعات الحديد ش.م.ع.
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مصطفى، أبو ظبي، أ.ع.
+٩٧١ ٢٥٠٧٦٦٥٠ ف +٩٧١ ٢٥٥١١٨٧ ت
emiratessteel.com

LB-TEST-121

MILL TEST CERTIFICATE (BS4449 :2005 Grade B500B)

CUSTOMER NAME/ADDRESS RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE	SHIPPING ADDRESS RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE	Certificate No. 161498/22	رقم شهادة المنتج 161498/22
		Date Of Issue 08/03/2022	تاريخ الإصدار 08/03/2022
		Dispatch No. 70652322	رقم أمر البيع 70652322
		Sales Order No. 15009791	رقم أمر الشراء 15009791
		Customer No. 10211	رقم العميل 10211

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL				CAST ANALYSIS %													
		Actual Weight kg	Yield Strength MPa	Tensile Strength MPa	Elongation %	C	Si	Mn	P	S	N	Cu	Cr	Mo	Ni	V	B	C	
Bar 25mm 12m BS 4449/05 Gr B 500B	1114744	3.753	478.1	533	632	10.2	0.22	0.18	0.84	0.015	0.014	0.0105	0.002	0.015	0	0.014	0.003	0.0002	0.3
		3.758	478.7	538	640	10.1													
		3.743	476.8	535	633	10.0													
		3.751	477.8	544	646	10.5													
		3.770	480.3	534	634	10.4													
Bar 25mm 12m BS 4449/05 Gr B 500B	1114760	3.774	480.8	554	664	8.60	0.22	0.16	0.86	0.018	0.017	0.0085	0.010	0.028	0.001	0.026	0.005	0.0002	0.3
		3.784	482.0	560	672	9.50													
		3.804	484.6	552	656	9.20													
		3.769	480.1	552	652	8.80													
		3.773	480.6	557	662	8.90													
Bar 25mm 12m BS 4449/05 Gr B 500B	1114791	3.755	478.3	541	631	10.1	0.23	0.19	0.85	0.016	0.013	0.0097	0.001	0.013	0	0.014	0.003	0.0002	0.3
		3.745	477.1	537	644	10.9													

Product Conformity
BS 4449:2005
Certificate No. CL30928139




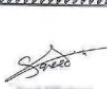
Send Test : Satisfactory
Rebend Test : Satisfactory
Manufacturing process :
Quenched & self-tempered
Test Method: ASTM E415 / BS EN
ISO 15630-1

The Material is free from any known Radioactive Contamination.

Page 1 of 1

CUSTOMER NAME/ADDRESS		SHIPPING ADDRESS		Certificate No.		رقم شهادة المنتج	
اسم وعنوان العميل		عنوان الشحن		234421/23		234421/23	
RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE		RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE		Date Of Issue 08/01/2023		تاريخ إصدار	
				Dispatch No. 70704158		رقم أمر البيع	
				Sales Order No. 15010563		رقم أمر الشراء	
				Customer No. 10211		رقم العميل	

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL				CAST ANALYSIS %													
		YIELD STRENGTH MPa	TENSILE STRENGTH MPa	ELONGATION %	REDUCED SECTION MPa	C	Si	Mn	P	S	N	Cu	Cr	Mo	Ni	V	B	C	
Bar 10mm 12m BS 4449/05 Gr B 500B	3047772	605	77.1	554	639	6.30	0.20	0.17	0.63	0.010	0.013	0.0062	0.024	0.024	0.005	0.021	0.006	0.0003	0.3
		601	76.6	566	647	6.10													
		604	76.9	559	640	6.70													
Bar 10mm 12m BS 4449/05 Gr B 500B	3047773	603	76.8	545	633	6.70	0.20	0.17	0.61	0.009	0.014	0.0068	0.038	0.023	0.005	0.023	0.006	0.0002	0.3
		602	76.7	561	646	6.50													
		601	76.6	535	623	7.10													
Bar 10mm 12m BS 4449/05 Gr B 500B	3047774	606	77.2	556	641	7.00	0.20	0.17	0.63	0.011	0.015	0.0073	0.016	0.025	0.003	0.015	0.007	0.0002	0.3
		605	77.1	568	651	6.30													
		604	76.9	548	634	6.50													
Bar 10mm 12m BS 4449/05 Gr B 500B	3047776	601	76.6	563	639	7.00	0.19	0.18	0.64	0.012	0.021	0.0069	0.025	0.023	0.004	0.017	0.007	0.0003	0.33
		606	77.2	541	627	6.50													
		603	76.8	553	643	7.30													

 PRODUCT CONFORMITY BS 4449:2005 Certificate No. CL3002819	 040801	 Scan with the QR Code App	Bend Test : Satisfactory Rebind Test : Satisfactory Manufacturing process : Quenched & self-tempered Test Method: ASTM E415 / BS EN ISO 15630-1
			

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تلفون: ٩٧١ ٢٥٥١١٨٧ ف ٩٧١ ٢٥٠٧٢٦٥
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LB-TEST-121

MILL TEST CERTIFICATE (BS4449 :2005 Grade B500B)

CUSTOMER NAME/ADDRESS RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE	SHIPPING ADDRESS RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE	Certificate No. 234381/23	رقم شهادة المنتج 234381/23
		Date Of Issue 08/01/2023	تاريخ الإصدار 08/01/2023
		Dispatch No. 70704131	رقم أمر البيع 70704131
		Sales Order No. 15010563	رقم أمر الشراء 15010563
		Customer No. 10211	رقم العميل 10211

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL					CAST ANALYSIS %												
		Actual Yield MPa	Spec Yield MPa	Tensile Strength MPa	Elongation at Max. Force %	AGT	C	Si	Mn	P	S	N	Cu	Cr	Mo	Ni	V	B	C
Bar 12mm 12m BS 4449/05 Gr B 500B	3047645	0.873	111.2	562	653	7.90	0.20	0.17	0.63	0.010	0.010	0.0066	0.018	0.022	0.003	0.016	0.006	0.0002	0.0002
		0.877	111.7	578	660	8.10													
		0.869	110.7	560	647	7.80													
Bar 12mm 12m BS 4449/05 Gr B 500B	3047646	0.869	110.7	555	640	7.90	0.21	0.15	0.63	0.013	0.010	0.0074	0.012	0.021	0.003	0.014	0.006	0.0002	0.0002
		0.869	110.7	571	656	8.20													
		0.870	110.8	553	637	7.80													
Bar 12mm 12m BS 4449/05 Gr B 500B	3047677	0.870	110.8	553	647	7.90	0.20	0.17	0.63	0.008	0.011	0.0065	0.009	0.019	0.002	0.011	0.004	0.0003	0.0003
		0.878	111.8	577	662	7.60													
		0.868	110.6	557	650	8.10													
Bar 12mm 12m BS 4449/05 Gr B 500B	3047678	0.870	110.8	555	644	7.90	0.22	0.17	0.63	0.011	0.012	0.0075	0.013	0.017	0.003	0.013	0.005	0.0003	0.0003
		0.869	110.7	574	659	8.20													
		0.867	110.4	559	642	7.80													

Bend Test : Satisfactory
Rebend Test : Satisfactory
Manufacturing process :
Quenched & self-tempered
Test Method: ASTM E415 / BS EN
ISO 15630-1

Saad Al Mugheeri
Head of QC

PRODUCT CONFORMITY
BS 4449: 2005
Certificate No. CLJ02038

CARES
UKAS
040801 002

Sampling plan and method are in accordance with TSD-QP-001.

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LB-TEST-121

MILL TEST CERTIFICATE (BS4449 :2005 Grade B500B)

CUSTOMER NAME/ADDRESS RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE	SHIPPING ADDRESS RAK Middle East Traders LLC PO Box No. 6578 Ras Al Khaima AE	Certificate No. 235708/23	رقم شهادة المنتج 235708/23
		Date Of Issue 14/01/2023	تاريخ الإصدار 14/01/2023
		Dispatch No. 70705240	رقم أمر البيع 70705240
		Sales Order No. 15010563	رقم أمر الشراء 15010563
		Customer No. 10211	رقم العميل 10211

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL					CAST ANALYSIS %												
		Actual Yield MPa	Spec Yield MPa	Tensile Strength MPa	Elongation at Max. Force %	AGT	C	Si	Mn	P	S	N	Cu	Cr	Mo	Ni	V	B	C
Bar 16mm 12m BS 4449/05 Gr B 500B	1124315	1.541	196.3	538	647	7.90	0.21	0.14	0.58	0.009	0.012	0.0071	0.009	0.017	0.000	0.016	0.002	0.0003	0.0003
		1.553	197.8	566	667	8.70													
		1.542	196.4	536	646	7.90													
Bar 16mm 12m BS 4449/05 Gr B 500B	1124325	1.540	196.2	557	648	9.20	0.21	0.13	0.58	0.01	0.010	0.0085	0.006	0.018	0.000	0.014	0.003	0.0003	0.0003
		1.535	195.5	578	666	8.50													
		1.535	195.5	568	651	8.10													
		1.544	196.7	553	639	8.30													
		1.537	195.8	544	632	9.10													
Bar 16mm 12m BS 4449/05 Gr B 500B	1124328	1.555	198.1	555	644	8.90	0.20	0.13	0.56	0.015	0.007	0.0081	0	0.015	0	0.01	0.003	0.0002	0.0002
		1.535	195.5	572	659	8.40													
		1.539	196.1	558	650	8.80													
		1.552	197.7	550	642	8.20													

Bend Test : Satisfactory
Rebend Test : Satisfactory
Manufacturing process :
Quenched & self-tempered
Test Method: ASTM E415 / BS EN
ISO 15630-1

Saad Al Mugheeri
Head of QC

PRODUCT CONFORMITY
BS 4449: 2005
Certificate No. CLJ02039

CARES
UKAS
040801 002

Sampling plan and method are in accordance with TSD-QP-001.



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LB-TEST-121

MILL TEST CERTIFICATE (BS4449 : 2005 Grade B500B)

CUSTOMER NAME/ADDRESS	شركة العميل	SHIPPING ADDRESS	عنوان الشحن	Certificate No.	رقم شهادة المنتج
RAK Middle East Traders LLC		RAK Middle East Traders LLC		235572/23	
PO Box No. 6578		PO Box No. 6578		Date Of Issue	تاريخ الإصدار
Ras Al Khaima		Ras Al Khaima		13/01/2023	
UAE		AE		Dispatch No.	رقم أمر البيع
				70705126	
				Sales Order No.	رقم أمر الشراء
				15010609	
				Customer No.	رقم العميل
				10211	

PRODUCT DESCRIPTION	CAST NO.	MECHANICAL					CAST ANALYSIS %												
		Yield Strength (MPa)	Tensile Strength (MPa)	Elongation (AGT)	C	Si	Mn	P	S	N	Cu	Cr	Mo	Ni	V	B	C		
Bar 32mm 12m BS 4449/05 Gr B 500B	1124035	6.131	781.0	553	657	8.70	0.21	0.14	0.59	0.018	0.012	0.0075	0	0.228	0.000	0.012	0.003	0.0003	0.3
		6.180	787.3	566	665	8.50													
		6.163	785.1	551	647	9.10													
		6.152	783.7	557	660	8.60													
		6.130	780.9	558	663	9.00													
Bar 32mm 12m BS 4449/05 Gr B 500B	1124043	6.140	782.2	569	668	9.40	0.21	0.14	0.60	0.015	0.009	0.0085	0	0.221	0	0.012	0.003	0.0003	0.3
		6.131	781.0	571	666	8.90													
		6.127	780.5	566	669	9.00													
		6.128	780.6	568	663	8.70													
		6.186	788.0	563	665	9.20													

PRODUCT CONFORMITY
BS 4449:2005
Certificate No. CL1092839

CARES
040801

UKAS
002

Bend Test : Satisfactory
Rebend Test : Satisfactory
Manufacturing process :
Quenched & self-tempered
Test Method: ASTM E415 / BS EN
ISO 15630-1

MILL TEST CERTIFICATE
HAMRIYAH STEEL FZC
P.O. BOX: 42142
HARJAH
UNITED ARAB EMIRATES

Hamriyah Steel

CUSTOMER NAME & ADDRESS	SHIPPING ADDRESS	CERTIFICATE NO.	QAMTC/08/BS500B/22H00412
Company MIDDLE EAST TRADERS Street No. 12, Mussafah, M46 7 ABU DHABI UNITED ARAB EMIRATES	Company MIDDLE EAST TRADERS Street No. 12, Mussafah, M46 807 ABU DHABI UNITED ARAB EMIRATES	DATE OF ISSUE	08.04.2022
		DELIVERY NOTE NO.	57087
		SALE ORDER NO.	11002182
		CUSTOMER NO.	200093
		PURCHASE ORDER NO.	HS/2022/057

PRODUCT DESCRIPTION	HEAT NO	CHEMICAL COMPOSITION (% w/w)													MECHANICAL PROPERTIES						
		C	Si	Mn	S	P	Cr	Ni	Cu	V	Mo	N	Ceq	kg/m	NCA mm ²	YS MPa	TS MPa	Stress ratio	Agf %	Rebnd	
FORMED BARS MX12M 4449:2005+A3:2016 B500B	22H00412	0.20	0.18	0.65	0.021	0.015	0.010	0.010	0.010	0.005	0.000	0.006	0.31	0.387	50.3	567	651	1.15	7.8	Passed	
														0.391	50.3	568	654	1.15	8.4	Passed	
														0.384	50.3	582	657	1.13	8.2	Passed	
														0.397	50.3	583	666	1.14	7.8	Passed	
														0.395	50.3	564	634	1.12	7.9	Passed	

We hereby certify that the material described herein has been made to the applicable specification by the hot rolling water quenching and self tempering and tested in accordance with the standard requirements & the certificate is issued in accordance to BS EN 10204 type 3.1.
Materials evaluated and found free from harmful radioactive elements.

CARES
100702

UKAS
000

SUSTAINABILITY
1661

UKAS
000

CARES
1662

UKAS
000

PRODUCT CONFORMITY
BS 4449:2005
Certificate No. CL1508252

On behalf of Hamriyah Steel FZC, the manufacturer.
The results are certified by Hamriyah Steel FZC and comply with the requirements of product description.

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ROLL TEST CERTIFICATE

AMRIYAH STEEL FZC
P.O. BOX: 42142
HARJAH
UNITED ARAB EMIRATES



Hamriyah Steel

CUSTOMER NAME & ADDRESS

Company
MIDDLE EAST TRADERS
Street No. 12, Mussafah, M46
807 ABU DHABI
UNITED ARAB EMIRATES

SHIPPING ADDRESS

Company
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Street No. 12, Mussafah, M46
807 ABU DHABI
UNITED ARAB EMIRATES

CERTIFICATE NO.

QAMTC/10/BS500B/22H00815

DATE OF ISSUE

14.04.2022

DELIVERY NOTE NO.

57246

SALE ORDER NO.

11002182

CUSTOMER NO.

200093

PURCHASE ORDER NO.

HS/2022/057

PRODUCT DESCRIPTION

DEFORMED BARS
10MMX12M
BS EN 10080:2005+A3:2016
BS 500B

HEAT NO

22H00815

CHEMICAL COMPOSITION (% w/w)

C	Si	Mn	S	P	Cr	Ni	Cu	V	Mo	N	Ceq
0.20	0.23	0.79	0.017	0.008	0.035	0.020	0.025	0.002	0.002	0.009	0.34

MECHANICAL PROPERTIES

kg/m	NCA mm ²	YS MPa	TS MPa	Stress ratio	Agt %	Rebend
0.597	78.5	574	660	1.15	8.4	Passed
0.595	78.5	573	664	1.16	8.2	Passed
0.599	78.5	576	654	1.14	7.8	Passed
0.599	78.5	580	664	1.14	8.1	Passed
0.596	78.5	586	664	1.13	8.0	Passed

We hereby certify that the material described herein has been made to the applicable specification by the hot rolling water quenching and self tempering and tested in accordance with the standard requirements & the certificate is issued in accordance to BS EN 10204 type 3.1. Materials evaluated and found free from harmful radioactive elements.



On behalf of Hamriyah Steel FZC, the manufacturer.

These results are certified by Hamriyah Steel FZC and comply with the requirements of product description.



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QA/QC Section Head

ROLL TEST CERTIFICATE

AMRIYAH STEEL FZC
P.O. BOX: 42142
HARJAH
UNITED ARAB EMIRATES



Hamriyah Steel

CUSTOMER NAME & ADDRESS

Company
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SHIPPING ADDRESS

Company
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UNITED ARAB EMIRATES

CERTIFICATE NO.

QAMTC/12/BS500B/22H00729

DATE OF ISSUE

12.04.2022

DELIVERY NOTE NO.

57182

SALE ORDER NO.

11002182

CUSTOMER NO.

200093

PURCHASE ORDER NO.

HS/2022/057

PRODUCT DESCRIPTION

Steel deformed bars
12MMX12M
BS EN 10080:2005+A3:2016
BS 500B

HEAT NO

22H00729

CHEMICAL COMPOSITION (% w/w)

C	Si	Mn	S	P	Cr	Ni	Cu	V	Mo	N	Ceq
0.20	0.24	0.78	0.020	0.008	0.040	0.013	0.020	0.002	0.001	0.008	0.34

MECHANICAL PROPERTIES

kg/m	NCA mm ²	YS MPa	TS MPa	Stress ratio	Agt %	Rebend
0.878	113	570	659	1.16	8.2	Passed
0.871	113	581	664	1.14	8.3	Passed
0.871	113	582	666	1.14	7.8	Passed
0.873	113	568	663	1.17	8.3	Passed
0.866	113	577	663	1.15	8.1	Passed

We hereby certify that the material described herein has been made to the applicable specification by the hot rolling water quenching and self tempering and tested in accordance with the standard requirements & the certificate is issued in accordance to BS EN 10204 type 3.1. Materials evaluated and found free from harmful radioactive elements.



On behalf of Hamriyah Steel FZC, the manufacturer.

These results are certified by Hamriyah Steel FZC and comply with the requirements of product description.



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MILL TEST CERTIFICATE

HAMRIYAH STEEL FZC

P.O. BOX: 42142

DHARJAH

UNITED ARAB EMIRATES



CUSTOMER NAME & ADDRESS

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UNITED ARAB EMIRATES

SHIPPING ADDRESS

Company
MIDDLE EAST TRADERS
Street No. 12, Mussafah, M46
807 ABU DHABI
UNITED ARAB EMIRATES

CERTIFICATE NO.	QAMTC/14/BS500B/21H01149
DATE OF ISSUE	14.04.2022
DELIVERY NOTE NO.	57251
SALE ORDER NO.	11002182
CUSTOMER NO.	200093
PURCHASE ORDER NO.	HS/2022/057

PRODUCT DESCRIPTION	HEAT NO	CHEMICAL COMPOSITION (% w/w)													MECHANICAL PROPERTIES					
		C	Si	Mn	S	P	Cr	Ni	Cu	V	Mo	N	Ceq	kg/m	NCA mm ²	YS MPa	TS MPa	Stress ratio	Agt %	Rebend
Steel deformed bars 16mmx12m BS 4449:2005+A3:2016 B10B	21H01149	0.20	0.23	0.76	0.016	0.009	0.040	0.017	0.020	0.002	0.003	0.008	0.34	1.187	154	570	664	1.16	7.9	Passed
														1.184	154	578	659	1.14	8.1	Passed
														1.189	154	566	654	1.16	7.3	Passed
														1.185	154	574	665	1.16	8.1	Passed
														1.187	154	570	656	1.15	6.8	Passed

We hereby certify that the material described herein has been made to the applicable specification by the hot rolling water quenching and self tempering and tested in accordance with the standard requirements & the certificate is issued in accordance to BS EN 10204 type 3.1.
Materials evaluated and found free from harmful radioactive elements.



On behalf of Hamriyah Steel FZC, the manufacturer.

These results are certified by Hamriyah Steel FZC and comply with the requirements of product description.



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QA/QC Section Head

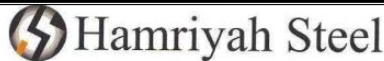
MILL TEST CERTIFICATE

HAMRIYAH STEEL FZC

P.O. BOX: 42142

DHARJAH

UNITED ARAB EMIRATES



CUSTOMER NAME & ADDRESS

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UNITED ARAB EMIRATES

SHIPPING ADDRESS

Company
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Street No. 12, Mussafah, M46
807 ABU DHABI
UNITED ARAB EMIRATES

CERTIFICATE NO.	QAMTC/16/BS500B/22H00624
DATE OF ISSUE	14.04.2022
DELIVERY NOTE NO.	57250
SALE ORDER NO.	11002182
CUSTOMER NO.	200093
PURCHASE ORDER NO.	HS/2022/057

PRODUCT DESCRIPTION	HEAT NO	CHEMICAL COMPOSITION (% w/w)													MECHANICAL PROPERTIES					
		C	Si	Mn	S	P	Cr	Ni	Cu	V	Mo	N	Ceq	kg/m	NCA mm ²	YS MPa	TS MPa	Stress ratio	Agt %	Rebend
Steel deformed bars 16mmx12m BS 4449:2005+A3:2016 B10B	22H00624	0.20	0.24	0.78	0.016	0.010	0.035	0.018	0.020	0.003	0.002	0.008	0.34	1.531	201	582	672	1.15	7.8	Passed
														1.526	201	583	669	1.15	8.1	Passed
														1.524	201	573	666	1.16	8.2	Passed
														1.530	201	587	677	1.15	7.6	Passed
														1.524	201	576	665	1.15	8.1	Passed

We hereby certify that the material described herein has been made to the applicable specification by the hot rolling water quenching and self tempering and tested in accordance with the standard requirements & the certificate is issued in accordance to BS EN 10204 type 3.1.
Materials evaluated and found free from harmful radioactive elements.



On behalf of Hamriyah Steel FZC, the manufacturer.

These results are certified by Hamriyah Steel FZC and comply with the requirements of product description.



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QA/QC Section Head



MILL TEST CERTIFICATE
HAMRIYAH STEEL FZC
P.O. BOX: 42142
HARJAH
UNITED ARAB EMIRATES



CUSTOMER NAME & ADDRESS

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UNITED ARAB EMIRATES

SHIPPING ADDRESS

Company
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Street No. 12, Mussafah, M46
807 ABU DHABI
UNITED ARAB EMIRATES

CERTIFICATE NO.

QAMTC/20/BS500B/22H00299

DATE OF ISSUE

12.04.2022

DELIVERY NOTE NO.

57206

SALE ORDER NO.

11002182

CUSTOMER NO.

200093

PURCHASE ORDER NO.

HS/2022/057

PRODUCT DESCRIPTION	HEAT NO	CHEMICAL COMPOSITION (% w/w)													MECHANICAL PROPERTIES					
		C	Si	Mn	S	P	Cr	Ni	Cu	V	Mo	N	Ceq	kg/m	NCA mm ²	YS MPa	TS MPa	Stress ratio	Agt %	Rebend
Steel deformed bars 20mmX12m BS 4449:2005+A3:2016 BS 500B	22H00299	0.20	0.19	0.73	0.013	0.014	0.065	0.045	0.134	0.003	0.011	0.009	0.35	2.415	314	570	642	1.13	7.8	Passed
														2.414	314	572	661	1.16	7.7	Passed
														2.389	314	571	647	1.13	8.7	Passed
														2.393	314	562	649	1.15	8.3	Passed
														2.395	314	564	655	1.16	8.5	Passed

We hereby certify that the material described herein has been made to the applicable specification by the hot rolling water quenching and self tempering and tested in accordance with the standard requirements & the certificate is issued in accordance to BS EN 10204 type 3.1.
Materials evaluated and found free from harmful radioactive elements.



On behalf of Hamriyah Steel FZC, the manufacturer.

These results are certified by Hamriyah Steel FZC and comply with the requirements of product description.



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HSQAF034.6

QA/QC Section Head

MILL TEST CERTIFICATE
HAMRIYAH STEEL FZC
P.O. BOX: 42142
HARJAH
UNITED ARAB EMIRATES



CUSTOMER NAME & ADDRESS

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UNITED ARAB EMIRATES

SHIPPING ADDRESS

Company
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Street No. 12, Mussafah, M46
807 ABU DHABI
UNITED ARAB EMIRATES

CERTIFICATE NO.

QAMTC/25/BS500B/22H00453

DATE OF ISSUE

09.04.2022

DELIVERY NOTE NO.

57130

SALE ORDER NO.

11002182

CUSTOMER NO.

200093

PURCHASE ORDER NO.

HS/2022/057

PRODUCT DESCRIPTION	HEAT NO	CHEMICAL COMPOSITION (% w/w)													MECHANICAL PROPERTIES					
		C	Si	Mn	S	P	Cr	Ni	Cu	V	Mo	N	Ceq	kg/m	NCA mm ²	YS MPa	TS MPa	Stress ratio	Agt %	Rebend
Steel deformed bars 20mmX12m BS 4449:2005+A3:2016 BS 500B	22H00453	0.19	0.19	0.67	0.023	0.019	0.010	0.010	0.010	0.005	0.000	0.006	0.31	3.730	491	589	676	1.15	9.3	Passed
														3.714	491	576	671	1.16	8.4	Passed
														3.727	491	585	676	1.16	7.9	Passed
														3.734	491	581	668	1.15	8.3	Passed
														3.721	491	578	674	1.17	8.5	Passed

We hereby certify that the material described herein has been made to the applicable specification by the hot rolling water quenching and self tempering and tested in accordance with the standard requirements & the certificate is issued in accordance to BS EN 10204 type 3.1.
Materials evaluated and found free from harmful radioactive elements.



On behalf of Hamriyah Steel FZC, the manufacturer.

These results are certified by Hamriyah Steel FZC and comply with the requirements of product description.



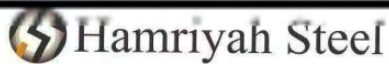
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QA/QC Section Head



HOT TEST CERTIFICATE

HAMRIYAH STEEL FZC
P.O. BOX: 42142
SHARJAH
UNITED ARAB EMIRATES



CUSTOMER NAME & ADDRESS

Company
MIDDLE EAST TRADERS
Street No. 12, Mussafah, M46
07 ABU DHABI
UNITED ARAB EMIRATES

SHIPPING ADDRESS

Company
MIDDLE EAST TRADERS
Street No. 12, Mussafah, M46
807 ABU DHABI
UNITED ARAB EMIRATES

CERTIFICATE NO.	QAMTC/32/BS500B/21H01865
DATE OF ISSUE	10.02.2022
DELIVERY NOTE NO.	56528
SALE ORDER NO.	11002168
CUSTOMER NO.	200093
PURCHASE ORDER NO.	HS/2022/052

PRODUCT DESCRIPTION	HEAT NO	CHEMICAL COMPOSITION (% w/w)													MECHANICAL PROPERTIES					
		C	Si	Mn	S	P	Cr	Ni	Cu	V	Mo	N	Ceq	kg/m	NCA mm ²	YS MPa	TS MPa	Stress ratio	Agt %	Rebend
Steel deformed bars 36mmX12M BS 4449:2005+A3:2016 B500B	21H01865	0.20	0.25	0.78	0.015	0.009	0.063	0.027	0.040	0.001	0.003	0.008	0.35	6.102	804	583	683	1.17	6.7	Passed
														6.123	804	576	673	1.17	7.0	Passed
														6.139	804	569	671	1.18	6.9	Passed
														6.127	804	571	668	1.17	7.4	Passed
														6.135	804	568	675	1.19	7.7	Passed

We hereby certify that the material described herein has been made to the applicable specification by the hot rolling water quenching and self tempering and tested in accordance with the standard requirements & the certificate is issued in accordance to BS EN 10204 type 3.1. Materials evaluated and found free from harmful radioactive elements.



On behalf of Hamriyah Steel FZC, the manufacturer.

These results are certified by Hamriyah Steel FZC and comply with the requirements of product description.



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EMIRATES / HAMRIYAH STEEL – COMPLIANCE STATEMENT

COMPLIANCE STATEMENT FOR EMIRATES STEEL

Material Description:		Deformed Steel Bars (8,10,12,16,20,25 & 32mm dia)																	
S.No.	Steel dia meter	Chemical Composition (%)													Physical Properties				REMARKS
		C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%	Mo%	V%	N%	CE%	YS Mpa	TS Mpa	Agt %	Bend Re-Bend		
1	10 mm	0.21	0.17	0.62	0.009	0.014	0.02	0.016	0.011	0	0.005	0.006	0.33	589	672	6.5	Good	Comply	
2	12 mm	0.21	0.17	0.61	0.013	0.016	0.017	0.013	0.007	0	0.006	0.006	0.318	577	652	7.5	Good	Comply	
3	16 mm	0.2	0.15	0.6	0.008	0.009	0.009	0.011	0.002	0.001	0.004	0.007	0.31	569	648	6.4	Good	Comply	
4	20 mm	0.21	0.15	0.67	0.008	0.022	0.015	0.014	0.01	0	0.004	0.006	0.334	533	640	7.8	Good	Comply	
5	25 mm	0.19	0.17	0.73	0.013	0.01	0.014	0.009	0.001	0.001	0.004	0.005	0.322	534	627	9.6	Good	Comply	
6	32 mm	0.23	0.19	0.9	0.014	0.011	0.014	0.014	0.009	0	0.005	0.006	0.389	536	644	10.7	Good	Comply	
7	40 mm	0.2	0.19	1.24	0.013	0.019	0.016	0.011	0.002	0.001	0.006	0.01	0.416	565	688	11.8	Good	Comply	
Spec as per BS 4449: 2005 Grade B500		0.24 Max			0.055 Max	0.055 Max		0.85 Max					0.52 Max	500 Min	540 Min	5.0 Min			

COMPLIANCE STATEMENT FOR EMIRATES STEEL

COMPLIANCE STATEMENT FOR HAMRIYAH STEEL																		
Material Description:		Deformed Steel Bars (08,10,12,16,20,25 & 32mm dia)																
S.No.	Steel dia meter	Chemical Composition (%)												Physical Properties				REMARKS
		C%	Si%	Mn%	P%	S%	Cr%	Ni%	Cu%	Mo%	V%	N%	CE%	YS Mpa	TS Mpa	Agt %	Bend Re-Bend	
1	08 mm	0.21	0.24	0.77	0.009	0.012	0.038	0.022	0.026	0.002	0.002	0.008	0.36	571	666	9.2	Good	Comply
2	10 mm	0.2	0.25	0.79	0.005	0.011	0.06	0.025	0.03	0.003	0.002	0.009	0.35	551	620	8.1	Good	Comply
3	12 mm	0.2	0.18	0.62	0.008	0.01	0.012	0.002	0.004	0.001	0.002	0.007	0.31	569	650	8.1	Good	Comply
4	16 mm	0.2	0.18	0.63	0.005	0.008	0.008	0.003	0.003	0.001	0	0.006	0.31	568	650	8.4	Good	Comply
5	20 mm	0.21	0.19	0.64	0.009	0.009	0.016	0.002	0.003	0.001	0.001	0.007	0.32	552	637	8.4	Good	Comply
6	25 mm	0.21	0.19	0.64	0.008	0.009	0.017	0.002	0.004	0.001	0.001	0.006	0.31	573	665	7.5	Good	Comply
7	32 mm	0.21	0.18	0.63	0.007	0.01	0.012	0.003	0.003	0.001	0.001	0.007	0.31	569	666	8.1	Good	Comply
8	40 mm	0.2	0.18	0.7	0.018	0.007	0.015	0.031	0.011	0.002	0.006	0.003	0.33	558	675	8.5	Good	Comply
Spec as per BS 4449: 2005 Grade B500B		0.24 Max			0.055 Max	0.055 Max		0.85 Max					0.52 Max	500 Min	540 Min	5.0 Min		

[Signature]



EMIRATES / HAMRIYAH STEEL – LEED CERTIFICATE



Ref. No. : ESI-RAK-22-001

Date : 25 May 2022

To Whom It May Concern:

Subject : Recycled & Regional Material Contents of Construction Materials

We hereby certify that we manufacture the reinforcement steel bars and supply to M/s RAK Middle East Traders LLC, P.O. Box 6578, Ras Al Khaimah, with the following components for:

Project: Proposed Police Station Buildings

Location: Plot No. 323-0423, Bur Dubai – Dubai, UAE

Material Components	Manufacturer / Source	Recycled Content				Regional Material Content			
		Scrap Percentage Weight (%)	Pre-Consumer content Own Scrap/ Recycle Weight (%)	Post-Consumer Content Weight (%)	Pre-Consumer Content (%) + 1/2 Post-Consumer Content (%)	Extraction/harvesting distance from site		Manufacturing distance from site	
							Location		Location
Rebar, Rebar in Coil, Plain Wire Rod in Coil	Emirates Steel Industries P.J.S.C.	10%	6%	4%	8%	Recycled content from local scraps and own generation	Emirates Steel located ICAD-1 Mussafah, Abu Dhabi	Outside UAE Iron Ore Pellets, i.e. Brazil, Bahrain, Oman, Sweden, India, etc.	ICAD-1, Mussafah

¹ Pre-Consumer Content – Also referred as Post-Industrial Content, is defined as materials diverted from the waste stream during the manufacturing process. Excluded is the reutilization of materials such as rework, rejected or scrap generated in a process and capable of being reclaimed with the same process that generated it.

² Post-Consumer Content- This is the material generated by the household or by commercial, industrial and institutional facilities in their role as end users of the product which are no longer to be used for its intended purpose.

Sincerely,

For (Emirates Steel Industries P.J.S.C.)

Name of Authorized Representative : Rayadh Al Raees

Company Designation : SALES MANAGER –REBARS AND WIRE RODS

Authorized Signature : 
25 May 2022

Hamriyah Steel

Plot No 4E-01, 02, 03, 04, 05 & 06
P.O. Box 42142
Hamriyah Free Zone, Sharjah
United Arab Emirates
www.hamriyahsteel.ae
sales@hamriyahsteel.ae

Tel. +971 6 5133333
Fax +971 6 5133334

Ref: HS/2022/066

Date: 17/05/2022

Attn: Project Manager
Project Title: Proposed Police Station Buildings.
Location: Plot No. 323-0423, Bur Dubai - Dubai, UAE.
Project Contractor: CHC Building Contracting LLC.

Subject: **Recycled & Regional Material Contents for Construction materials.**

Dear Sir,

We Hamriyah Steel FZC hereby confirm that the Reinforcement Steel Bars, a material to be supplied at Proposed Police Station Buildings, Plot No. 323-0423, Bur Dubai - Dubai, UAE project has the following recycled & regional material content:

Material Name	Manufacturer	Recycled Content		Regional Material Content			
		¹ Pre-Consumer Content (%)	² Post-Consumer Content (%)	Extraction/harvesting distance from site		Manufacturing distance from site	
				Location	Miles	Location	Miles
Reinforcement Steel Bar BS4449:2005 Grade-B500B	Hamriyah Steel FZC	2.1 %	96 %	Stary Oskol, Russia	340	Hamriyah FZC phase II, Sharjah, UAE	50

¹ Pre Consumer Content - Also referred as Post Industrial Content, is defined as materials diverted from the waste stream during the manufacturing process. Excluded is the reutilization of materials such as rework, regrind or scrap generated in a process and capable of being reclaimed with the same process that generated it.

² Post Consumer Content- This is the material generated by the household or by commercial, industrial and institutional facilities in their role as end users of the product which can no longer be used for its intended purpose.

Sincerely,

For **Hamriyah Steel FZC**

Name of Authorized Representative : Olexandr Yatsenko

Company Designation : Marketing Manager

Authorized Signature :

(Company Stamp)



CONCRETE MIX DESIGN



TEL: 100034186500003

CONCRETE MIX DESIGN

MIX CODE : PPC 40/20 SRC

CONTRACTOR

AL WATANIA PRECAST CONCRETE BUILDING INDUSTRY LLC

CLASS OF CONCRETE : 40/20

W/C : 0.38

CEMENT CONTENT : 400 kg/m³ SRC

SLUMP 125 ± 25 MM

MATERIALS	BATCH WEIGHT(KG)	SG	VOLUME	ABSORB (%)	SOURCE
CEMENT (SRC)	400	3.15	126.98		UNION CEMENT FACTORY
GGRS					UNION CEMENT FACTORY
M-SILICA					ELKEM
20MM	610	2.71	225.08	0.8	AL BAHAR CRUSHER - FUJAIRAH
10MM	370	2.73	135.53	0.8	AL BAHAR CRUSHER - FUJAIRAH
0-5MM SAND	620	2.65	230.48	1.05	AL BAHAR CRUSHER - FUJAIRAH
DUNE SAND	300	2.62	114.50	0.3	UMM AL QUWAIN
FREE WATER	152	1.00	152.00		UMM AL QUWAIN
ADMIXTURE	3.2 - 4.00	1.00	5.95		PC 211 (PAC TECHNOLOGY)
AIR			10.00		
	2458		1,000		

AGGREGMENT (%)

4.8

COARSE AGG (%)

52

ABSORBED WATER (KG)

17.05

FINE AGG (%)

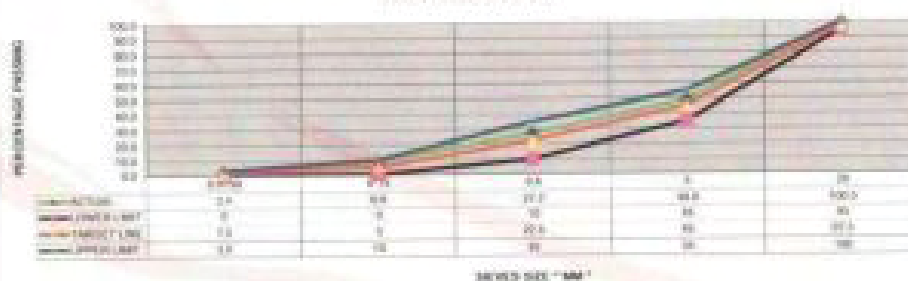
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Particle Size Distribution

Aggregate sieve size	0.075mm	150um	300um	600um	1.18mm	2.36mm	5mm	10mm	20mm	40mm
20 mm Individual Analysis	0.0	0	0	0	0	0	0.5	2	100	100
10 mm Individual Analysis	0.0	0	0	0	0	0.2	2	91	100	100
5 mm Individual Analysis	0	10	78	95	98	88	100	100	100	100
10% Individual Analysis	0	25	97	100	100	100	100	100	100	100
Combined Grading Passing %	2.4	8.8	21.5	37.2	34.1	44.6	49.0	66.8	100.0	100.0
Required Grading Limits %	0 - 3	0 - 10	10 - 35			35 - 55	55 - 100			

Note: The Grading Limits are as per BS 882, 1992

20 MM COMBINED GRADING



TECHNICAL MANAGER



METHOD OF STATEMENT

Production of Precast Manholes:

All material that are incorporated to this work should be approved prior to commencement of production operations.

STEP

1

Mould Fabrication:

Preparation of fabrication moulds using MS sheets or fiber sheets as per approved shop drawings for pull pit, the production engineer & fabricator must ensure the dimensions of the mould are as per the client requirement & approved drawing. Mould fabrication is monitored from time to time by quality controller, Moulds are fabricated in such a manner that •

They are stable and solidly built.

Casting deviations to be controlled and prevented.

It doesn't damage the precast element after de-moulding.

They built all the measurements in accordance with the approved drawings very accurately.

Are free from defects that would impair the appearance of the precast units.

STEP

2

Reinforcement Cutting, Bending & Binding:

Reinforcement cutting & bending is performed at reinforcement workshop. The reinforcements for precast pull pit, barriers & foundations are made as finished/ assembled units in the steel workshop.

The reinforcement for pull pit, barriers & foundations based on the approved reinforced drawings issued by the design department.

steel reinforcement should be clean and free from stains of oil or dirt that may affect bonding of concrete

STEP

3

Placing of cast-in-items in reinforcement for pull pit:

Cast-in-items such as SS marker plates & PVC pipes are placed in reinforcement with moulding before concreting inner surface of the mould is treated or applied with approved mould release as per manufacturers instruction or as per client requirement

Reinforcement is placed in the mould supported on concrete spacer blocks are provided to get the required clear cover to prevent it from being contaminated by the mould oil.

STEP

4

Concrete, Casting, Curing, Repairing and Painting work for pull pit:

Concrete of approved mix design will be produced in regularly calibrated batching plant, chilled water or ice will be used to ensure fresh concrete temperature will also be maintained if temperature of concrete is above 32 °C to 35 °C.

Concrete is placed to the moulds using a skip hoist or by transits mixture will be used for continuous batching and casting to avoid any un-intended cold joint.

Concrete is placed into the mould in such a manner that it can be readily compacted to form a homogeneous mass. Compaction & consolidation is by means of poker vibrators.

All non mould surfaces are screened & towelled to the standards specified showed on approved shop drawings. Depending on the program of production moulds are covered with tarpaulin cover after finishing of work (normally 2 to 3 hours after casting).

Concrete samples are taken at random or number required by the project specification (one set of 6 cubes per 40 cubic meters or on each day production are taken or as instructed by consultant & client).

Moist curing for 7 days is carried by applying gunny bags or Hessen cloth for the casted pull pit, foundations or barriers.

Any imperfection & blemishes to the casted pull pit, foundations & barriers will be repaired & finished to the required standards using approved methods.

Surface finishing will be repaired using grey trowel finish.

Bitumen paint with two coats will be carried out for the external surfaces of the pull pit., foundations

Each pull pit, foundation & barrier is inspected by quality team & only approved elements are delivered to their respective sites supported by wooden dunnage at the correct & specified location & fastened by belt.

Application of hessian cloth & Polyethene Sheet over Precast elements after Casting



QUALITY PROCEDURES & WARRENTY CERTIFICATE

Before placing of concrete into the molds concrete temperature & slump is checked as per approved mix design 125 ± 25 mm or as per client requirement then concrete will be placed into specified molds in presence of quality engineer on site

Cubes are prepared on site or in batching plant as instructed by consultant & client after testing on fresh concrete.

Temperature Test & Slump Test On Fresh Concrete



Preperation Of cubes for 7 Days & 28 Days Compression Test



Cube Crushing on Specified Date after 7 Days or 28 Days



CONTRACTOR WARRENTY FORM

CONTRACTOR WARRENTY FORM

PROJECT NAME:

PROJECT NO:

CONSULTANT:

CLIENT:

SUPPLIER:

We Al Watania Precast Concrete Building Industry L.L.C supplier for the above referenced project

hereby gives warranty for the supplied precast elements required for the project as per LPO quantity will be free from defects defective materials or workmanship for a period of one year from the date of completion

This warranty commences on (Date of completion):

This warranty expires on (Expiry Date:)

Any defected material during the period of warranty shall be rectified by undersigned at no expense to the owner.

The owner will give the supplier a written notice of defective work & supplier should arrange for the rectification work within the given time. Nothing in the above shall be deemed to apply to work that has been abused or neglected by the owner.

For:

By:

Date:

Signature with Company Sea



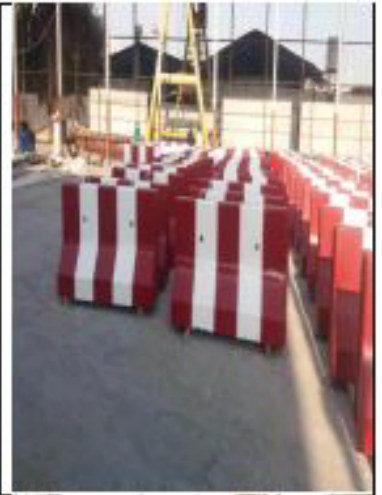
CONSTRUCTION PROCEDURE & PRODUCTS MANUFACTURE

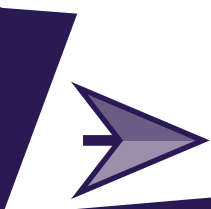
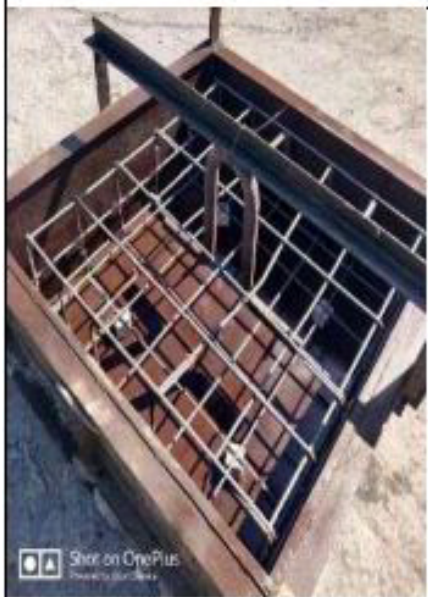
Preparation of Mold & Steel Before Casting

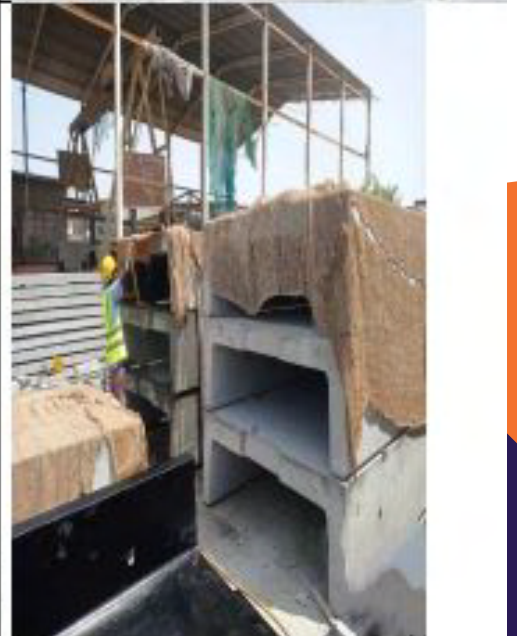


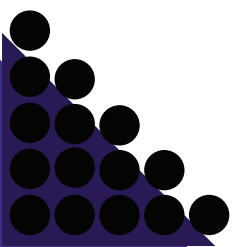
View Of Yard











HEALTH AND SAFETY STATEMENT

The health, safety and Work Environment of all Employees and Personal employed by the

Al Watania Precast Concrete Building Industry L.L.C Company are a major concern with the prevention of property damage, free and security damage as well as production losses

.The Managing Directors is firmly committed to taking effective action with on this concern with

full regard to Federal Laws, Ministerial Decrees and the Company Safety Policy.

Managers, Executive Forman and Supervisors are responsible for the safety of their sub –

ordinates and are required to treat occupational health, safety, and loss control as a subject of major

importance. They ensure that all practical steps are taken to prevent accidents and maintain healthy & safe places of work.

In support of the commitment to safety, the management monitors safety information and updated the information as requite by corporate development or legislative change and ensures

that safety rules are enforced , promotes awareness of safe working practices by induction courses

, safety training programs and liaising with safety committees.

The Management firmly believes that safety comes first Health and Safety Policy.

Following are the key management objectives & responsibilities.

- Prevention of all injuries and occupational diseases.
- Health and safety is a line management responsibility.
- Health and safety are of equal importance as business objectives.
- Creation of a safe and healthy working practice.
- Establishment of safe and healthy working practices.
- Ensuring effective enthusiasm in health and safety.
- Developing personal responsibility for health and safety.

We believe that every job can be done safety & that Safety is everyone's responsibility.

HEALTH & SAFETY PROGRAMS

The management considers on phase of its operations or administration of greater importance then accident prevention .To accomplish this goal an effective and understandable

Health & safety Policy has been formulated enforced. Safety shall be an integral part of each job

and every employee has to contribute towards this team effort.

The policy of this company is to strive towards achieving a safe and healthy environment

for all its employees at all the work sites and abide by all rules and regulations formulated for the

type of work /industry (as set forth in state and local standards.)

Safety is of utmost importance in performance of all operation and must be an integral part of each

work task .Safety should not be neglected because of undue haste .No job is so important or

services so urgent that they cannot be performed safety into their daily routine. The management

of Al Watania Precast Concrete Building Industry L.L.C Company is committed to provide complete support in order to develop and maintain a safe and healthy working environment. The company safety program is designed to prevent human suffering,

pain and economic loss from work place accidents,

injuries or property or damage.

The company strives far as possible to provide a work place safe from recognized hazards

by the by adhering to local regulation and industry safety standard and have a work force aware of

workplace hazards that confront them and their safety responsibility to themselves, their follow

workers and the company .

The health Risk at work is managed by the following activities of the Group:

1. Health Hazard Identification –identification and marking an inventory of the potential, physical, comical, biological, ergonomic and psychological health hazards associated with

the work and working environment .

2. Health Risk Assessment–evaluation of risk to health associated with exposures to health

hazards and then deciding on the action needed to remove or reduce the risk

3. Control Measures–substituting hazardous materials by means of technical measures by

changes in work practice and usage of personal protective equipment like uniforms, goggles, earplugs etc

4. Monitoring of health –this includes a pre-employment medical examinations of periodic

intervals. Information, Instruction and training of employees regarding the policy

and procedures relating to occupation health, specific instruction and trainings are provided on particular hazards in the work environment and potential health hazards at work., .

CHECK LIST

The following checks are conducted before starting of site work:

1. Workplace security measures like fencing, lighting and watchman arrangements are complete.
2. The electrical circuit breakers and grounding are in place
3. Sanitary fitting and drinking water available as per regulations

The following records /papers are to be made available at this site:

1. Safety signs, notices, posters and a copy of the safety Handbook.
2. Maintenance and testing records for equipment at site like cranes, excavators, compressors & dumpers etc.
3. Warning signs, No smoking, Hard Hat area, and no Trespassing etc.
4. Accident report forms.
5. Certificates of first aiders at site.
6. First Aid Register – Recording all Minor/Major or injuries and how they occurred.
7. Flash lights.
8. Storage containers for inflammable and combustible materials.
9. Tools for detecting tools and equipment.

Practical demonstrations are made in areas

for lifting techniques, fire fighting, emergency procedures and first aid; Schemes are in force such as what are Wrong competitions and prizes for minimum man days lost on accounts of accidents. Analyses of Accidents and man hours lost are calculated at half –yearly intervals to arrive at the accident frequency rate and the accident incidence rate. Methods used for calculation of accident rate and severity rates of accidents are given on the following pages. All works & operations are periodically reviewed to determine, tools and supplies are made prior to each use.

First –Aid & Medical Treatment

Training and instructions in life –saving techniques like resuscitations, care of unconscious and control of bleeding are given. Employees are sent for first aid training courses organized by Ministry of health and medical facilities include a doctor employed by the company who in addition to providing medical services provides refresher courses on first –aid and other health related –problems. awareness campaigns in regard to use of tobacco, alcohol, drugs and inadequate are also conducted. Sickness and absenteeism are monitored by proper record keeping for identification of employees after prolonged illness

DISCIPLINARY ACTION

If employees do not adhere to safety standards despite repeated warning a system of imposing lines is being evolved with the rate of line being proportional to the severity of the safety violation committed.

SAFETY TRAINING COMMUNICATION

Safety training and orientation are necessary elements of any effective safety program. Supervisors and workers must understand the company's safety policy and procedures and hazards associated with Work. Training is provided to workers when they arrive on the site in the form of informal lectures on the safe use of tools & other equipment and the necessity of using personal protective equipment. Training covers the company and protects safety policies and safety regulations. Tools Box talks are also held weekly on the site to refresh the memories on safe handling of various tools used in the industry. Site Forman and store keepers are sent for First Aid courses to keep them updated. These trained persons then communicated the knowledge gained by them to the other employees. Films on safety are screened in the labor accommodation provided. Posters carrying the message of safety is put up in accommodation areas and in the pickup transport on provided for work men. Notice boards are put up on all sites with the safety regulations on them. Pocket safety hand – books containing safety rules are given to each site

HAZARD IDENTIFICATION INFORMAL/FORMAL INSPECTIONS

Informal inspections are made on a daily basis by supervisors and works before the commencement of work by examining their own work area and correcting any problems found before and injuries result.

Our company encourages workers to report to project management attention. Formal inspections are internally conducted by the company's safety personal. This helps in remaining the line super visors their responsibilities of the safety effort .The inspection serves to keep everybody on his toes .A formal inspection report is included during this inspection with copies marked to the Management.

PLANNING FOR SAFETY

Planning for safety starts during the mobilization of the project and continues till all works Are completed and last workman leaves the site safety is left to chance and considered an after thought, it will not be effective. Written guidelines are provided for all employees to follow in the safety handbook of the company .A checklist is available during the planning stage for consideration in implementation of the safety program.

PROJECT SAFETY PLANNING CHECKLIST

Will there be full time safety person assigned to the site

- Are copies of accident report sheets&

s& emergency services available on site

- Are medical emergency services available
- Istheir sufficient communication system in the work place

PRESENTATION OF STATISTICS

Accident statistics are presented to all persons concerned to keep their interest alive and make them inclined to safety .It has been felt that the effect is better in the statistics are presented in picture so that even the not so literate workmen can understand them



Thank you :)

الوطنية بريكااست
لصناعة المباني الخرسانية ذ.م.م

AL WATANIA PRECAST
C O M P A N Y

**AL WATANIA PRECAST CONCRETE
BUILDING INDUSTRY (L.L.C.)**