



**AL TILAL STEEL COMPANY LIMITED**  
شركة التلال للحديد المحدودة - شركة شخص واحد

## **PRE-QUALIFICATION DOCUMENT**



# LETTER FROM THE MANAGING DIRECTOR



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

ISO 9001:2015 & ISO 14001:2015

Al Tilal Steel Company Limited is committed to provide all stakeholders a healthy and clean environment by limiting the emissions of greenhouse gases. This is done through the adoption of all available effective and efficient processes and technologies whilst remaining committed to all legal and other applicable requirements.

We are also committed to consistently deliver the finest quality of steel products for the satisfaction of our entire customer base. We are able to do this because of the continuous improvement of our systems, processes, human resources and environment by way of introducing of new technologies.

**HUSSAIN NAWAZ SHARIF**  
(MANAGING DIRECTOR)

|   |         |
|---|---------|
| <b>SAMPLE WITH MARK (KSA / التلال)</b>  |         |
| <b>COMPANY PROFILE</b>  | 7       |
| History   | 8       |
| Vision and Mission  | 9       |
| Milestones  | 10      |
| <b>MANUFACTURING PROCESSES</b>  | 11      |
| Scrap Shredder  | 12      |
| Scrap Shearing Machine  | 13      |
| Steel Plant   | 14      |
| Rolling Mills   | 15      |
| Power Generation  | 16      |
| <b>PRODUCTS &amp; PRODUCT SPECIFICATIONS</b>  | 17 – 18 |
| Specifications of Steel Billets – Grade A36   | 19      |
| Specifications of Steel Billets – Grade 40 (ASTM A-615)                                 | 20      |
| Specifications of Steel Billets – Grade 60 (ASTM A-615)                                 | 21      |
| Steel Reinforcing Bars (Rebars)   | 22      |
| <b>LICENSES &amp; CERTIFICATES</b>  | 23      |
| Company’s Name Change Letter – Ministry of Commerce & Investment                        | 24      |
| Company’s Commercial Registration (CR) – Ministry of Commerce                           | 25      |
| Industrial Investment License – Ministry of Investment                                  | 26 – 27 |
| Industrial License – Ministry of Energy, Industry and Mineral Resources                 | 28      |
| Commercial Activity License – Ministry of Municipal and Rural Affairs (Balady)          | 29      |
| Membership Certificate – Jeddah Chamber of Commerce                                     | 30      |
| Trademark Registration Certificate (التلال) – Ministry of Commerce & Industry           | 31      |
| GAZT Zakat & VAT Registration Certificates – General Authority of Zakat & Tax           | 32      |
| Insurance Certificate – General Organization for Social Insurance (GOSI)                | 33      |
| Environmental License – The General Authority of Meteorology & Environmental Protection | 34      |
| Saudization Certificate – Ministry of Labor and Social Development                      | 35      |
| <b>MINISTRIES’ APPROVALS</b>  | 36      |
| Ministry of Transport   | 37      |
| Ministry of Environment, Water & Agriculture  | 38      |
| National Water Company (NWC)  | 39      |
| Ministry of Health  | 40      |
| Ministry of Housing   | 41      |
| Ministry of Education   | 42      |
| Saudi Electricity Company   | 43      |

## Table of Contents

|   |           |
|---|-----------|
| <b>QUALITY CERTIFICATIONS</b>   | 44        |
| Saudi Standards, Metrology & Quality Org. (SASO)  | 45 – 46   |
| ISO 9001: 2015 – Quality Management System  | 47 – 48   |
| ISO 14001: 2015 – Quality Management System   | 49 – 50   |
| UK Certification Authority for Reinforcing Steels (UKCARES)                                 | 51 – 52   |
| Suppliers Registration: Saudi Aramco  | 53        |
| Supplier Registration: Saudi Ma’aden  | 54        |
| Supplier Registration: Civil Engineering and Development Department (CEDD Hong Kong)        | 55        |
| Registration: Dun & Bradstreet D-U-N-S Certificate  | 56        |
| <b>MATERIAL TEST REPORTS</b>  | 57        |
| In House – Al Tilal Steel Co. Ltd. Material Test Certificates (MTCs)                        | 58 – 65   |
| Modern Technology Laboratories (MTL)  | 66– 90    |
| Element Materials Technology ME Limited Abu Dhabi   | 91 – 96   |
| Arab Company for Laboratories and Soil  | 97 – 119  |
| MATIL: Materials Testing & Innovation Laboratories Co.                                      | 120 – 128 |
| <b>CONSULTANTS APPROVALS</b>  | 129       |
| Dar Al Handasah Shair & Partner   | 130 – 133 |
| Jacobs Zate & PROGER Engineering & Management   | 134– 135  |
| ITALCONSULT   | 136       |
| NKY Architects & Engineers  | 137 – 138 |
| SAPL Saudi Arabian Parsons Ltd.   | 139 – 143 |
| Saudi DIYAR   | 144 – 145 |
| NANO Engineering Consultant   | 149       |
| Manens – Tifs Ingegneria  | 150 – 152 |
| Design Consultants 3TI PROGETTI – Civil Engineering Consulting                              | 153       |
| Zuhair Fayez Partnership  | 154       |
| DAR Consultant  | 155 – 156 |
| MORGANTI – KSA  | 157 – 158 |
| Abdullah Al-Mohanna   | 159 – 160 |
| Archen Engineering  | 161 – 162 |
| Arch Centre Consulting Architects & Engineers   | 163       |
| SAK, Parsons Bincherkoff, Louis Berger, Bechtel, Red Sea Development Co & Other Consultants | 164 – 181 |
| <b>Notable Projects That Used Al Tilal Rebar</b>  | 182 – 183 |



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد



بسم الله الرحمن الرحيم  
والصلاة والسلام على رسوله الكريم



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

# Company Profile

# HISTORY

- Established in 2005, Al Tilal Steel Company Limited is among the most distinguished Steel-Manufacturing Companies within the Kingdom of Saudi Arabia.
- **Facilities Include:**
  - Scrap Processing: Shredding, Shearing and Bundling with an annual capacity of **150,000 Metric Tons.**
  - Steel Mills with an annual capacity of **330,000 Metric Tons.**
  - Rolling Mills with an annual capacity of **330,000 Metric Tons.**
  - Captive Power Generation with a capacity of **20 MW.**
- Currently employing a workforce more than 700 people as per General Organization for Social Insurance (GOSI) and holding High Green.



## VISION & MISSION



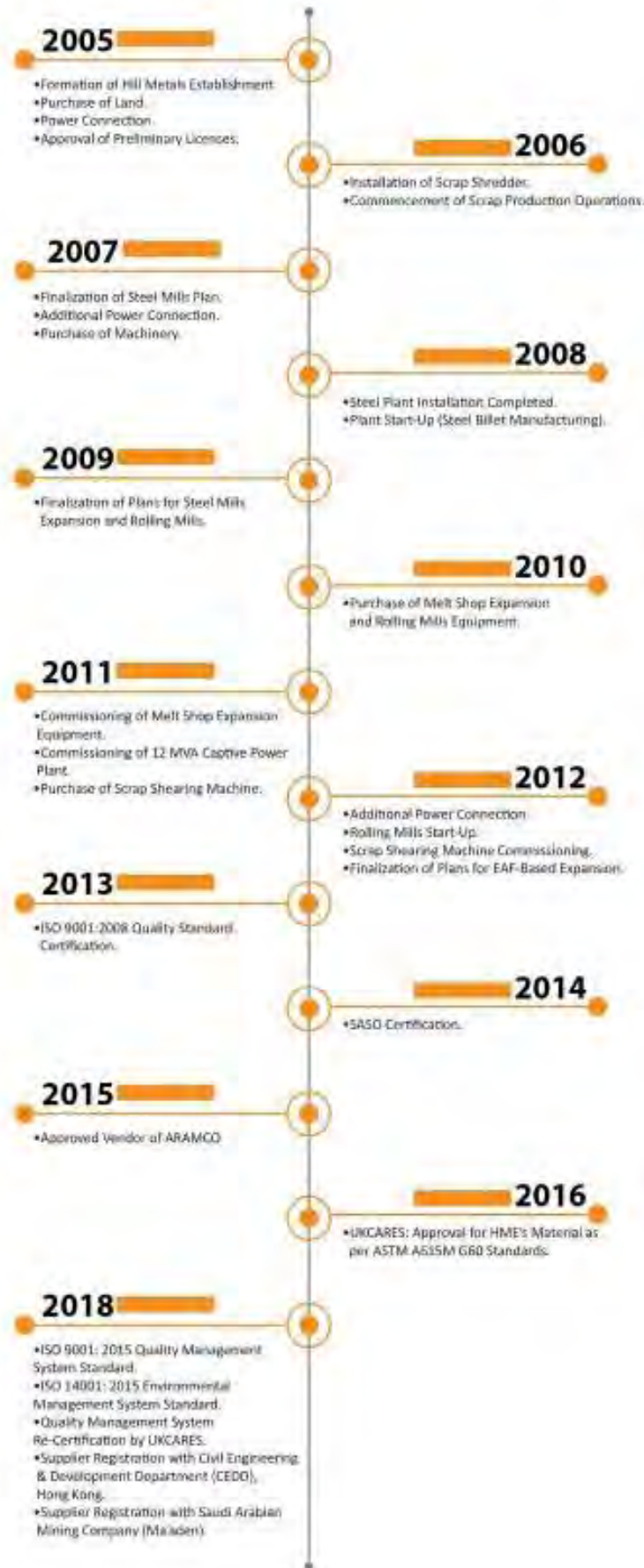
### OUR VISION

“ To be the fastest growing Steel Manufacturing Company in the Middle East and to become the Market Leader in the Kingdom of Saudi Arabia. ”

“ To achieve sustainable growth in the shortest possible time. To contribute towards economic future while benefiting the environment. To reach standards of excellence in Human Resources and Technology. ”



### MISSION STATEMENT





AL TILAL STEEL COMPANY LIMITED

شركة التلال للحديد المحدودة - شركة شخص واحد

# Manufacturing Processes

## Scrap Shredder

**Ellen Edgar (U.S.A.):**  
Capacity = 25 Metric Tons/Hour



## Scrap Shearing Machine

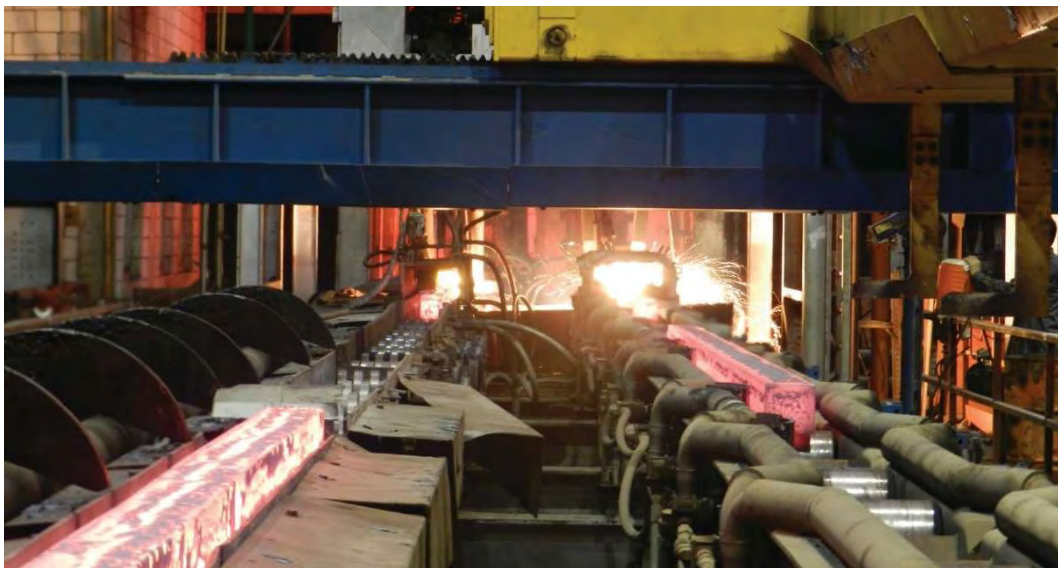
**Metso Lindemann (Germany):**  
Capacity = 25 Metric Tons/Hour



## Steel Plant

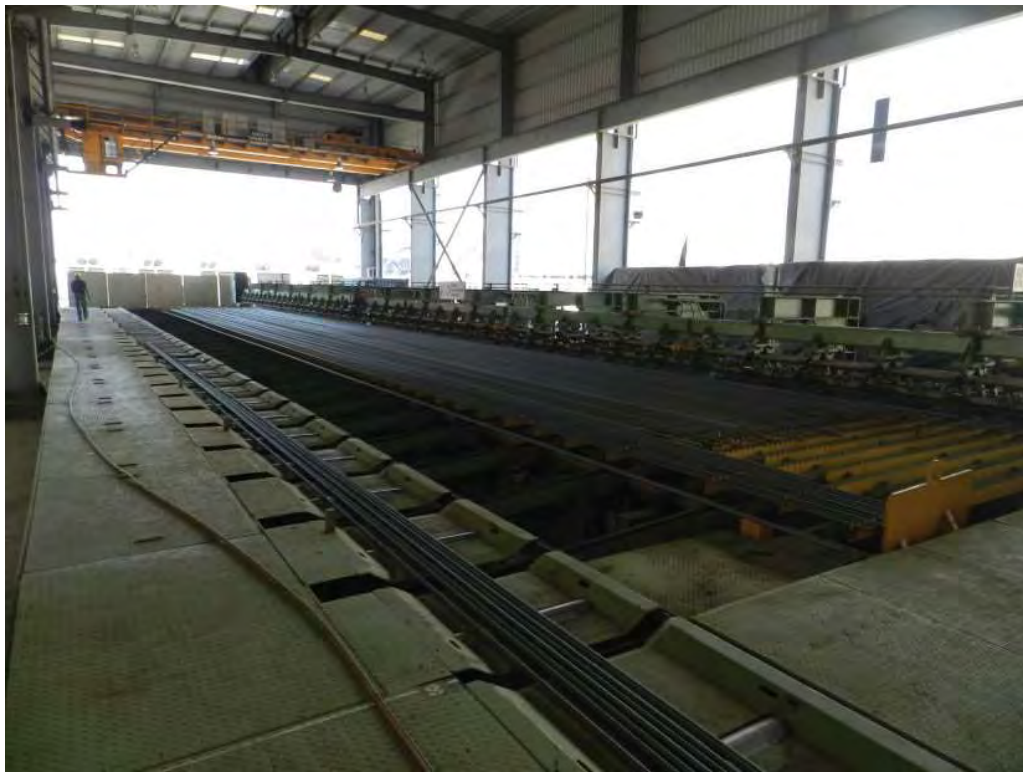


- Induction Furnace: Electrotherm Incorporation.
- Induction Furnace: Inductotherm Incorporation.
- Continuous Casting Machine – Danieli (Italy).
- Ladle Refining Furnace: Doshi Technologies Ltd. Capacity = 30,000 Metric Tons/Year



## Rolling Mills

### **Nuova Carpenteria Odolese – NCO (Italy):** Capacity = 330,000 Metric Tons/Year



## Power Generation

### Caterpillar Incorporation (U.S.A.): Capacity = 20 MW







AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

# Products & Product Specification

## Products

### Scrap:

- Shredded Scrap.
- Sheared Scrap.

### Billets:

- Steel Billet **Grade A36.**
- Steel Billet **Grade 40 (ASTM A-615).**
- Steel Billet **Grade 60 (ASTM A-615).**

### Reinforcing Bars (Rebars):

- Deformed Steel Reinforcing Bars  
(Diameter from *10mm to 32mm* and Length of 12m)  
as per **ASTM A615/A615M Grade 60.**
- Deformed Steel Reinforcing Bars  
(Diameter from *10mm to 32mm* and Length of 12m)  
as per **ASTM A615/A615M Grade 75.**
- Deformed Steel Reinforcing Bars  
(Diameter from *10mm to 32mm* and Length of 12m)  
as per **BS 4449 Steel Grade B500B.**

## Specifications of Steel Billets – Grade A36

| Chemistry | Values       |
|-----------|--------------|
| C (%)     | 0.18 to 0.24 |
| Mn (%)    | 0.60 to 0.75 |
| Si (%)    | 0.15 to 0.25 |
| P (%)     | 0.04 Max     |
| S (%)     | 0.04 Max     |
| Cu (%)    | 0.20 Max     |
| N (ppm)   | 100 Max      |
| CEV       | 0.30 to 0.40 |

| Physical Properties | Values                       |
|---------------------|------------------------------|
| Billet Size         | 150 x 150 mm or 130 x 130 mm |
| Length              | 12M (±50mm) or 6M (±50mm)    |
| Rhomboidity         | 5%Max                        |

|                  |   |
|------------------|---|
| Surface Quality  | Billet shall be free from Joints, Cracks, Scabs, Blow Holes, Pinholes, Burrs, Deep Indentations.                        |
| Internal Quality | Billet shall be free from Blow Holes, Pinholes, Porosity, Central Shrinkage, Piping, Segregation, Internal Cracks, etc. |

## Specifications of Steel Billets – Grade 40 (ASTM A-615)

| Chemistry | Values       |
|-----------|--------------|
| C (%)     | 0.26 to 0.31 |
| Mn (%)    | 0.70 to 0.90 |
| Si (%)    | 0.15 to 0.30 |
| P (%)     | 0.045 Max    |
| S (%)     | 0.045 Max    |
| Cu (%)    | 0.30 Max     |
| N (ppm)   | 120 Max      |
| CEV       | 0.40 to 0.50 |

| Physical Properties | Values                       |
|---------------------|------------------------------|
| Billet Size         | 150 x 150 mm or 130 x 130 mm |
| Length              | 12M (±50mm) or 6M (±50mm)    |
| Rhomboidity         | 5%Max                        |

|                  |   |
|------------------|---|
| Surface Quality  | Billet shall be free from Joints, Cracks, Scabs, Blow Holes, Pinholes, Burrs, Deep Indentations.                        |
| Internal Quality | Billet shall be free from Blow Holes, Pinholes, Porosity, Central Shrinkage, Piping, Segregation, Internal Cracks, etc. |

## Specifications of Steel Billets – Grade 60 (ASTM A-615)

| Chemistry | Values       |
|-----------|--------------|
| C (%)     | 0.32 to 0.36 |
| Mn (%)    | 1.35 to 1.45 |
| Si (%)    | 0.15 to 0.30 |
| P (%)     | 0.04 Max     |
| S (%)     | 0.04 Max     |
| Cu (%)    | 0.40 Max     |
| N (ppm)   | 120 Max      |
| CEV       | 0.60 Max     |

| Physical Properties | Values                       |
|---------------------|------------------------------|
| Billet Size         | 150 x 150 mm or 130 x 130 mm |
| Length              | 12M (±50mm) or 6M (±50mm)    |
| Rhomboidity         | 5%Max                        |

|                  |   |
|------------------|---|
| Surface Quality  | Billet shall be free from Joints, Cracks, Scabs, Blow Holes, Pinholes, Burrs, Deep Indentations.                        |
| Internal Quality | Billet shall be free from Blow Holes, Pinholes, Porosity, Central Shrinkage, Piping, Segregation, Internal Cracks, etc. |

## Properties of Steel Reinforcing Bars (Rebars)

| Mechanical Parameters          | ASTM A615/A615M<br>Steel Grade 60                   | ASTM A615/A615M<br>Steel Grade 75 | BS 4449<br>Steel Grade B500B                        |
|--------------------------------|---|-----------------------------------|---|
| Tensile Strength (Min. Mpa)    | 620   | 690                               | -   |
| Yield Strength (Min. Mpa)      | 420   | 520                               | 485 min - 650 max                                   |
| Elongation in 200mm (%)        | 12mm to 20mm = 09<br>22mm to 25mm = 08<br>32mm = 07 | 12mm to 25mm = 07<br>32mm = 06    | Agt: Elongation at<br>maximum force<br>= 5.0 % min. |
| Tensile / Yield Strength Ratio | -   | -                                 | 1.06 min  |

| Chemical Requirements      |                                   |                                   |                              |
|----------------------------|-----------------------------------|-----------------------------------|------------------------------|
| Element Max %              | ASTM A615/A615M<br>Steel Grade 60 | ASTM A615/A615M<br>Steel Grade 75 | BS 4449<br>Steel Grade B500B |
| Carbon                     | n/a                               | n/a                               | 0.22 max.                    |
| Manganese                  | n/a                               | n/a                               | 1.65 max.                    |
| Phosphorus                 | 0.06                              | 0.06                              | 0.05 max.                    |
| Sulfur                     | n/a                               | n/a                               | 0.05 max.                    |
| Silicon                    | n/a                               | n/a                               | 0.15 - 0.30                  |
| Carbon Equivalents Maximum | n/a                               | n/a                               | 0.50 max.                    |



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

# Licenses & Certificates

|               |                |
|---------------|----------------|
| تاريخ الاصدار | ١٤٤٣-٠٦-٠٦ هـ  |
| صالح حتى      | ١٤٤٤-٠٦-٠٦ هـ  |
| الرقم         | ١-٠٠٠٨٤٣٦٢٧-٤٣ |



المملكة العربية السعودية  
وزارة الداخلية  
المديرية العامة للدفاع المدني

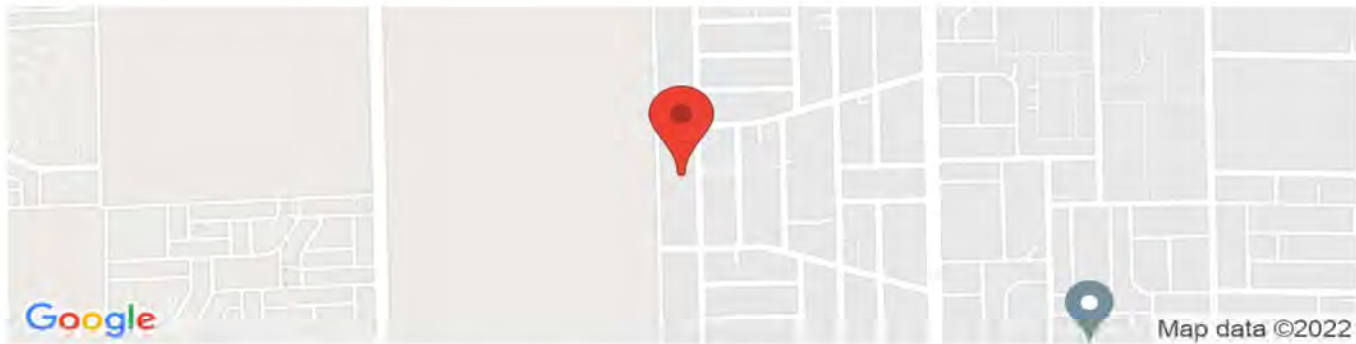
| تصنيف المنشأة                            | اسم النشاط                       | المساحة | عدد الادوار |
|--|----------------------------------|---------|-------------|
| ٢٥١١٤١ - صناعة وتشكيل قضبان حديد التسليح | شركة التلال للحديد المحدودة شركة | ٦٢٠٠٠   | ١           |

| اسم المستأجر / المالك | رقم السجل المدني | رقم السجل التجاري | رقم رخصة البلدية | تاريخ رخصة البلدية | تاريخ انتهاء رخصة البلدية |
|-----------------------|------------------|-------------------|------------------|--------------------|---------------------------|
| شركة التلال للحديد    | ٧٠٠١٤٧١٩٦٥       | ٤٠٣٠١٥٣٧١٤        | ٣٩١١١٣٢٠٨٣٥      | ١٤٣٦-٠٣-١٣         | ١٤٤٥-٠٣-١٢                |

| المنطقة           | المدينة / المحافظة | الحي   | الشارع  | رقم القطعه |
|-------------------|--------------------|--------|---------|------------|
| منطقة مكة المكرمة | جدة                | الوادي | الكرامة | ١٩         |

| اسم الجهة القائمة بصيانة انظمة السلامة | اسم الجهة القائمة بصيانة المصاعد | اسم شركة التأمين | رقم بوليصة التأمين |
|--|----------------------------------|------------------|--------------------|
| مؤسسة تاج السلامة التجارية             |                                  |                  |                    |

| تاريخ الكشف | جهة اصدار الترخيص                      | مدير السلامة               |
|-------------|--|----------------------------|
| ١٤٤٣-٠٦-٠٦  | مركز السلامة الميدانية بالساحل الجنوبي | مقدم/علي عيسى علي الزهراني |



هذه الوثيقة موقعة ومصدقة إلكترونياً ولا تحتاج توقيع يدوي وفقاً لقرار مجلس الوزراء رقم ٨ وتاريخ ١٤٢٨/٠٣/٠٧ هـ المنظم للتعاملات الإلكترونية. وللتأكد من صحة الرخصة يرجى زيارة موقع المديرية العامة للدفاع المدني على الرابط التالي (www.998.gov.sa) وإدخال رقم الرخصة المذكور أعلاه - الإدارة العامة لتقنية المعلومات





وزارة التجارة  
Ministry of Commerce

VISION 2030  
مملكة العربية السعودية  
KINGDOM OF SAUDI ARABIA

٧٠٠١٤٧١٩٦٥

٤٠٣٠١٥٣٧١٤

١٤٤٢٦/٠١/٠٧ هـ

الرقم:

التاريخ:

شهادة تسجيل الشركة

الاسم التجاري للشركة: شركة التلال للحديد المحدودة - شركة شخص واحد  
نوعها: محدودة أجنبية  
جنسيتها: سعودي  
مدة الشركة: ٩٩ سنة  
تبدأ من: ١٤٤٢/٠٩/٠١ هـ وتنتهي في: ١٥٤٤/٠٩/١٥ هـ  
مركزها الرئيسي: جدة حي الوادي  
ص ب: ١٠٤٠٨ الرمز البريدي: ٢١٣٣١ هاتف: ٦٥٢٥٦٨٦

النشاط: صناعة منتجات من الحديد أو من الصلب... الخ، بواسطة المسحب أو البثق أو العرنجة، صناعة الأنابيب والمواسير والأشكال المجوفة من الحديد والصلب، سبك الحديد والصلب  
منتجات (تامة الصنع)، سبك الحديد والصلب (منتجات نصف تامة الصنع)، صناعة وتشكيل قضبان حديد التسليح، صناعة القضبان المستخدمة في عمليات التشبيد أو التعدين

رأس المال: ١٠٥٠٠٠٠٠٠٠ ريال سعودي

|    |    |
|----|----|
| ٢  | ١  |
| ٤  | ٣  |
| ٦  | ٥  |
| ٨  | ٧  |
| ١٠ | ٩  |
| ١٢ | ١١ |

سلطات المدير/المديرين: حسب ما نص عليه عقد الشركة

يشهد مكتب السجل التجاري بمدينة: جدة بأنه تم تسجيل فرع الشركة المذكورة أعلاه بمدينة: جدة  
وتنتهي صلاحية الشهادة في: ١٤٤٧/٠٩/٠١ هـ بموجب الإيصال رقم: ٩٨٠٤٦٤٤ وتاريخ: ١٤٤١/١٢/١٩ هـ

عبد المحسن بن إبراهيم العماد مدير السجل التجاري للشركات:

التوقيع:



To verify the information of this certificate visit <http://v.mci.gov.sa> على الشهادة بالدخول على



وزارة الاستثمار  
Ministry of Investment

ترخيص استثمار صناعي  
Industrial Investment License

الرقم الموحد (7001471965)  
رقم المنشأة (602102)  
رقم الترخيص (11103003460-01)  
تاريخ الإنهاء تاريخ الإصدار  
1446/01/08 م 1426/01/05 م  
2024/07/15 م 2005/02/14 م



المركز الرئيسي

| حالة الترخيص: تعديل         | اسم الترخيص                      | الكيان القانوني      | الموقع               | جدة | عدد العمالة (750 فرد) | إجمالي التمويل (150,000,000) ريال سعودي |
|-----------------------------|----------------------------------|----------------------|----------------------|-----|-----------------------|---|
| شركة التلال للحديد المحدودة | شركة شخص واحد ذات مسؤولية محدودة |                      |                      |     |                       |   |
| 10408                       | الرمز البريدي 21331              | الهاتف 4966507703717 | الفاكس 4966126570110 |     |                       |   |

| اسم صاحب/ أصحاب الترخيص | رقم المستثمر الجنسية | الحصة | اسم صاحب/ أصحاب الترخيص | رقم المستثمر الجنسية | الحصة |
|-------------------------|----------------------|-------|-------------------------|----------------------|-------|
| حمين محمد نواز خريف     | 702179               | 100%  | حمين محمد نواز خريف     | 702179               | 100%  |

| البنية الجذري المنتج | البنية الجذري المنتج                                       | البنية الجذري المنتج | البنية الجذري المنتج | البنية الجذري المنتج | البنية الجذري المنتج   |
|----------------------|--|----------------------|----------------------|----------------------|--|
| 720110000            | كثف صلب  | 300000               | طن                   | 127227900            | قضبان صلب لتعليق   |
| 241025               | صناعة حديد الزمر ما في ذلك مسبوكات حديد الصلب والزرمر      |                      |                      | 241030               | صناعة منتجات من الحديد أو من الصلب... الخ ، بواسطة الصب أو البثق أو الدرفلة      |
| 241050               | صناعة الأنابيب والحواسير والأشكال المجوفة من الحديد والصلب |                      |                      | 241060               | صناعة لوازم خطوط السكك الحديدية ، يشمل ( القضبان المصنعة... الخ )                |
| 242042               | سهر ودرفلة وسحب وتلقية وسبك الألمنيوم وخلائطه              |                      |                      | 243111               | سبك الحديد والصلب منتجات (تامة الصنع)  |
| 243112               | سبك الحديد والصلب (منتجات نصف تامة الصنع )                 |                      |                      | 243211               | سبك المعادن غير الحديدية (منتجات تامة الصنع) ، يشمل ( الألمنيوم والزنك ... الخ ) |

علاء إبراهيم بن صالح السويل  
تاريخ التوقيع : 1442/08/15



تاريخ الطباعة 1442/08/15 م وزير الاستثمار خالد بن سعود العنيز الفالح

3 - 1 يمكنك التحقق من صحة صلاحية الشهادة عبر زيارة الرابط  
<https://eservices.dagta.gov.sa/verify> على موقع وزارة الاستثمار.



وزارة الاستثمار  
Ministry of Investment

ترخيص استثمار صناعي  
Industrial Investment License

الرقم الموحد (7001471965)  
رقم المنشأة (602102)  
رقم الترخيص (11103003460-01)  
تاريخ الإنهاء تاريخ الإصدار  
1446/01/08 م 1426/01/05 م  
2024/07/15 م 2005/02/14 م



المركز الرئيسي

| حالة الترخيص: تعديل         | اسم الترخيص                      | الكيان القانوني      | الموقع               | جدة | عدد العمالة (750 فرد) | إجمالي التمويل (150,000,000) ريال سعودي |
|-----------------------------|----------------------------------|----------------------|----------------------|-----|-----------------------|---|
| شركة التلال للحديد المحدودة | شركة شخص واحد ذات مسؤولية محدودة |                      |                      |     |                       |   |
| 10408                       | الرمز البريدي 21331              | الهاتف 4966507703717 | الفاكس 4966126570110 |     |                       |   |

| اسم الفرع                       | نوع الفرع  | رقم الفرع | اسم الفرع | نوع الفرع | رقم الفرع | المدينة | رقم الفرع |
|---------------------------------|--|-----------|-----------|-----------|-----------|---------|-----------|
| فرع شركة التلال للحديد المحدودة | فرع شركة ذ.م.م.جدة   | 387704    |           |           |           |         |           |
| 243212                          | سبك المعادن غير الحديدية (منتجات نصف تامة الصنع) يشمل ( الألمنيوم والزنك ... الخ ) |           |           |           |           |         |           |
| 251141                          | صناعة وتشكيل قضبان حديد التسليح  |           |           |           |           |         |           |
| 251142                          | صناعة وتشكيل شبكات حديد التسليح  |           |           |           |           |         |           |
| 259981                          | صناعة أسياخ اللحام   |           |           |           |           |         |           |
| 273201                          | صناعة الألواح والكتابات المعزولة المصنوعة من الصلب                                 |           |           |           |           |         |           |
| 282482                          | صناعة القضبان المستخدمة في عمليات التثبيت أو التمديد                               |           |           |           |           |         |           |
| 701000                          | أنشطة المكاتب الرئيسية (إلزام على الوحدات الأخرى في الشركة أو المؤسسة وإدارتها)    |           |           |           |           |         |           |
| 821100                          | أنشطة الخدمات الإدارية المتكاملة للمكاتب   |           |           |           |           |         |           |

علاء إبراهيم بن صالح السويل  
تاريخ التوقيع : 1442/08/15



تاريخ الطباعة 1442/08/15 م وزير الاستثمار خالد بن سعود العنيز الفالح

3 - 2 يمكنك التحقق من صحة صلاحية الشهادة عبر زيارة الرابط  
<https://eservices.dagta.gov.sa/verify> على موقع وزارة الاستثمار.





وزارة الاستثمار  
Ministry of Investment

ترخيص استثمار صناعي  
Industrial Investment License

الرقم الموحد (7001471965)  
رقم المنشأة (602102)  
رقم الترخيص (11103003460-01)  
تاريخ إصدار تاريخ الإنشاء  
1426/01/05 م  
1446/01/08 م  
2005/02/14 م  
2024/07/15 م



الفرع ( 568144 )

| اسم صاحب/ أصحاب الترخيص | رقم المستثمر الجلسية | الحصة  | اسم صاحب/ أصحاب الترخيص      | رقم الممثل الجلسية | الحصة  |
|-------------------------|----------------------|--------|------------------------------|--------------------|--------|
| حمين محمد نواز شريف     | 702179               | 100%   | إجمالي التمويل (0) ريان سعود | 966                | 966    |
| البلد الجركي المنتج     | الكمية               | الوحدة | البلد الجركي المنتج          | الكمية             | الوحدة |
| 72044100                | 1150000              | وحدة   | كربيات حديدية                | 250000             | وحدة   |

241025 صناعة حديد الزمر ما في ذلك مصبوكات حديد الصلب والزمر | 241030 صناعة منتجات من الحديد أو من الصلب... الخ . بواسطة الصلب أو البثق  
في أو الدرفلة | 241050 صناعة الآليات والمواشير والأشكال المجوفة من الحديد والصلب | 241060 صناعة لوازم خطوط السكك الحديدية . يشمل ( القليبان المصنعة... الخ )  
242042 سهر ودرفلة وسحب وثقبية وسبك الألمنيوم  
وخلاتج | 243112 الحديد والصلب منتجات (تامة المنتج) | 243112 سبك الحديد والصلب (منتجات لعد تامة المنتج ) | 243211 سبك المعادن غير الحديدية (منتجات تامة المنتج) . يشمل ( الألمنيوم والزنك ... الخ ) | 243212 سبك المعادن غير الحديدية (منتجات لعد تامة المنتج) يشمل ( الألمنيوم والزنك ... الخ )  
| 251141 صناعة وتشكيل قليبان حديد التلميح | 251142 صناعة وتشكيل شبيكات حديد التلميح | 259982 صناعة أسياع اللحام | 273201 صناعة الأسلاك والكابلات المعزولة المعنونة من الصلب | 282482 صناعة القليبان المستخدمة في عمليات التقييد أو التمدد | 701000 أنشطة المكاتب الرئيسية (الإشراف على الوحدات الأخرى في الشركة أو المؤسسة وإدارتها) | 821100 أنشطة الخدمات الإدارية المتكاملة للمكاتب

عنه إبراهيم بن صالح السويدي  
تاريخ التوقيع : 1442/08/15



تاريخ الطباعة 1442/08/15 م وزير الاستثمار خالد بن صالح العازيز الفالح

3 - 3 يمكنك التحقق من صحة صلاحية الشهادة عبر زيارة الرابط  
<https://userverice.sagda.gov.sa/verity> على موقع وزارة الاستثمار.



رؤية  
2030  
الجمهورية العربية السعودية  
Kingdom of Saudi Arabia

## ترخيص منشأة صناعية

### استثمار أجنبي



رمز المنشأة ٢٦٢٢٨  
نوع القرار تعديل  
تاريخ الترخيص ١٤٤٢-٠٩-١٧  
رقم القرار ٤٢٢١-٢١١٢-٤٩  
تاريخ القرار ١٤٤٢-٠٩-١٧  
تاريخ الانتهاء ١٤٤٥-٠٩-١٤

اسم المنشأة الصناعية  
السجل التجاري للمنشأة الصناعية  
مالك المنشأة  
رقم السجل التجاري الرئيسي  
النشاط الرئيسي  
رقم رخصة الهيئة العامة للاستثمار  
عدد العمالة  
حجم الاستثمار  
شركة التلال للحديد المحدودة شركة شخص واحد  
٤٠٣٠١٥٣٧١٤  
شركة التلال للحديد المحدودة شركة شخص واحد  
٤٠٣٠١٥٣٧١٤  
صنع الحديد القاعدي والصلب / ٢٤١٠  
١١١٠٣٠٠٣٤٦٠  
سبعمائة وخمسون فرداً  
مائة وخمسون مليون و ألف ريال و خمسة و عشرون هلالاً  
٧٥٠  
١٥٠٠٠٠٠٠٠٠٠٢٥

| الوحدة | الطاقة الإنتاجية | النشاط الصناعي  | وصف المنتج       | رمز المنتج |
|--------|------------------|---|------------------|------------|
| طن     | ٥٠٠٠٠٠٠          | صناعة صمالمج وألوانج ونهالغ شربطية ومصبان وأسباج وروبا وأسلاك ومناطج يكاه أشكالها | اسباج حديد تسليح | ٧٢١٤٢٠٠٠   |
| طن     | ٣٠٠٠٠٠٠          | صنع منتجات أولية من الحديد على شكل كتل من الرقائق والمخلفات بعد إعادة صهرها       | كتل صلب          | ٧٢٠٧١٩٠٠   |

وزير الصناعة والثروة المعدنية

بندر بن إبراهيم الخريف





## رخصة نشاط تجاري Commercial Activity Licence

### شركة التلال للحديد المحدودة

|                     |                     |                  |                          |                |                   |
|---------------------|---------------------|------------------|--------------------------|----------------|-------------------|
| License Expiry Date | تاريخ انتهاء الرخصة | Payment Due Date | تاريخ انتهاء فترة السداد | License Number | رقم الرخصة الموحد |
| 1444/03/12          |                     | 1443/03/12       |                          | 39111320835    |                   |

|   |            |
|---|------------|
| Owner's Name                              | اسم الهالك |
| شركة التلال للحديد المحدودة شركة شخص واحد |            |

|            |                 |
|------------|-----------------|
| Owner's ID | رقم هوية الهالك |
| 4030153714 |                 |

|                                 |  |
|---------------------------------|--|
| ISIC Classification             | التصنيف الصناعي القياسي الدولي (نشاط ايزك) |
| صناعة وتشكيل قضبان حديد التسليح |  |

|                                 |                 |
|---------------------------------|-----------------|
| Detailed Activity               | النشاط التفصيلي |
| صناعة وتشكيل قضبان حديد التسليح |                 |

|                        |         |                  |         |
|------------------------|---------|------------------|---------|
| Sub-Municipality       | البلدية | Municipality     | الأمانة |
| بلدية المليساء الفرعية |         | أمانة محافظة جدة |         |

|          |        |          |      |
|----------|--------|----------|------|
| Street   | الشارع | District | الحي |
| شارع عام |        | الوادي   |      |

|  |                         |                   |                       |
|--|-------------------------|-------------------|-----------------------|
| Shop's Sign's Area                     | مساحة اللوحات الإعلانية | Shop's Total Area | مساحة المحل الإجمالية |
| 10 متر مربع ارشادي   0 متر مربع اعلاني |                         | 62000 متر مربع    |                       |



موقع المحل

للاطلاع على الأنشطة الإضافية وتفصيل الرخصة يرجى مسح رمز الاستجابة السريع QR Code

|                    |                      |               |             |         |          |
|--------------------|----------------------|---------------|-------------|---------|----------|
| Permit Expiry Date | تاريخ انتهاء التصريح | Permit Number | رقم التصريح | Permits | التصاريح |
|--------------------|----------------------|---------------|-------------|---------|----------|

مركز الدعم الفني  
199099

هذا الترخيص لا يدخل البدء بالانتاج الا بعد الحصول على تراخيص الجهات ذات العلاقة

saudimomra www.balady.gov.sa



عفتجدة  
JEDDAH CHAMBER  
- 1945 -

## شهادة إشترك



رؤية  
2030  
الجمهورية العربية السعودية  
VISION OF SAUDI ARABIA

رقم الاشتراك: ٧٠٠١٤٧١٩٩٥  
تاريخ الاصدار: ١٤٢٦/٠١/١٢ هـ  
الدرجة الأولى  
تاريخ الإنتهاء: ١٤٤٥/٠١/١٥ هـ

**تشهد غرفة جدة بأن شركة التلال للحديد المحدودة - شركة شخص واحد**  
**شركة ذات مسؤولية محدودة**

رقم السجل التجاري / الترخيص ٤٠٣٠١٥٣٧١٤ تاريخه ١٤٢٦/٠١/١٥ هـ إلى عام ١٤٤٥ هـ



مدير شؤون مراكز الخدمة  
**محمد بن أحمد العطاس**  
أي كتمه أو تعدل بهذه الشهادة تعتبر لافيه  
(يشطب الإنساب في حالة شطب السجل التجاري المذكور في هذه الشهادة)

بيت أصحاب الأعمال

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ  
المملكة العربية السعودية  
وزارة التجارة والصناعة  
إدارة تسجيل علامة تجارية

رقم التسجيل : ١٤٣٤١٢٩٤٧  
تاريخ التسجيل : ١٤٣٥/٩/٢٩  
بداية الحماية : ١٤٣٤/١٠/٢٠  
نهاية الحماية : ١٤٤٤/١٠/١٩  
فئة العلامة :  
وصف العلامة : كلمة التلال بحروف عربية باللون الاسود كما بالشكل الموضح

إسم المالك : مؤسسة التلال الحديثة لصناعة المعادن - لصاحبها / حسين محمد نواز شريف  
OWNER'S NAME : n/a  
عنوان المالك : السعودية - ص ب ١٠٤٠٨٦ جدة ٢١٢٣١  
OWNER'S ADDRESS : n/a  
جنسية المالك : السعودية  
أنواع البضائع : الحديد  
والخدمات :

إن العلامة الموضحة أعلاه قد سجلت بإدارة تسجيل العلامات التجارية بالرقم المشار اليه وذلك لوضعها على البضائع المبينة أعلاه ليكون لصاحبها حق التمتع بحمايتها بموجب نظام العلامات التجارية المعمول به بالملكة العربية السعودية لمدة عشر سنوات إعتباراً من تاريخ بداية الحماية قابلة للتمديد لمدة أو مدد مماثلة بناء على طلب يقدمه صاحب العلامة .

مدير إدارة تسجيل العلامات التجارية

الاسم : محمد أحمد المالكي  
التوقيع :  
الختم الرسمي  
إدارة تسجيل العلامات التجارية



تاريخ الإصدار: 2021/06/17  
الرقم المميز: 3109476088



الهيئة العامة للزكاة والدخل  
General Authority of Zakat & Tax



## شهادة تسجيل في ضريبة القيمة المضافة VAT Registration Certificate

تشهد الهيئة العامة للزكاة والدخل بأن المكلف أدناه مسجل في ضريبة القيمة المضافة بتاريخ 2021/06/17

Hereby, The General Authority of Zakat & Tax (GAZT) certifies that the taxpayer below is VAT registered on 17/06/2021

|                                     |   |                             |
|-------------------------------------|---|-----------------------------|
| <b>Taxpayer Name:</b>               | شركة التلال للحديد المحدودة شركة شخص واحد | <b>اسم المكلف:</b>          |
| <b>VAT Registration Number:</b>     | 310947608800003                           | <b>رقم التسجيل الضريبي:</b> |
| <b>Effective Registration Date:</b> | 2021/07/01                                | <b>تاريخ نفاذ التسجيل:</b>  |
| <b>Taxpayer Address:</b>            | Teddah,As Sahil D,Unit # 1,22517          | <b>عنوان المكلف:</b>        |



كمكلف مسجل في ضريبة القيمة المضافة، لا يجوز لك تحصيل ضريبة القيمة المضافة من عملائك قبل تاريخ نفاذ التسجيل بالضريبة. في حال تبين غير ذلك، ستقوم الهيئة العامة للزكاة والدخل بتنفيذ الغرامات المستحقة

هذه الوثيقة مرسلة من النظام الآلي ولا تحتاج إلى توقيع  
- الهيئة العامة للزكاة والدخل -



التاريخ ١٤٤٣/١٠/١٧  
الموافق ١٨/٥/٢٠٢٢  
رمز الشهادة ٤٦٢٩٩١١١



## شهادة

إسم المنشأة : شركة التلال للحديد المحدودة شركة شخص واحد  
ص.ب : ١٠٤٠٨٦ جدة ٢١٣٣١  
السعودية  
رقم الإشتراك : ٥٠٠٨٨٠٩٨٨  
رقم السجل التجاري : ٤٠٣٠١٥٣٧١٤

مصدره :

| رقما | كتابة                             | عدد المشتركين السعوديين     |
|------|-----------------------------------|-----------------------------|
| ٢٢٣  | مانتين و ثلاثة و عشرون مشتركا     | عدد المشتركين غير السعوديين |
| ٣٨٨  | ثلاثمانه و ثمانية و ثمانون مشتركا | المجموع                     |
| ٦١١  | ستمائة و احد عشره مشتركا          |                             |

تشهد المؤسسة العامة للتأمينات الإجتماعية بأن المنشأة المذكورة أعلاه قد أوفت بالتزاماتها تجاه المؤسسة وفق البيانات المقدمة منها حتى تاريخ إصدار هذه الشهادة ، والتي تم منحها لتقدمها لأية جهة تطلبها ، وهي صالحة لجميع الأغراض التي نص عليها نظام التأمينات الإجتماعية في المادة (١٩/٦) منه .  
هذه الشهادة سارية المفعول حتى ١٤٤٣/١١/١٧ هـ .



يلزم التحقق من صحة وصلاحيه الشهادة عبر زيارة الرابط  
أدناه في الموقع الإلكتروني للمؤسسة العامة للتأمينات الإجتماعية  
أو عن طريق استخدام  
الرمز المعرف التالي :

[www.gosi.gov.sa/vc](http://www.gosi.gov.sa/vc)

( الشهادة معتمدة من صاحب الصلاحيه ولا تحتاج إلى توقيع أو ختم )

ننهادة

[www.gosi.gov.sa](http://www.gosi.gov.sa)  
800 1243344



تعد هذه الشهادة من الوثائق الالكترونية الحكومية الرسمية ، ويحظر قطعيا تقليدها أو إدخال أي تعديلات عليها سواء بالإضافة أو الحذف أو التغيير في بياناتها أو غير ذلك من انواع التعديل ، وتعد الشهادة لاغية إذا شابهها شيء من ذلك ، كما تعرض صاحبها للملاحقة النظامية أمام الجهات المختصة بالإضافة إلى مايفرضه نظام التأمينات الإجتماعية من عقوبات ، ولايجوز تداول الشهادة إلا في الأغراض التي أصدرت لأجلها وفقا لأحكام نظام التأمينات الإجتماعية ، والمؤسسة العامة للتأمينات الإجتماعية غير مسؤولة عن أي آثار أخرى مترتبة قبل الغير عن الشهادة وغير مسؤولة عن أي عملية تزوير أو تعديل تتم على البيانات الواردة فيها .

  
التأمينات الإلكترونية  
بإمكانك من مكانك



|            |           |
|------------|-----------|
| رقم الصادر | ١١٥٩٦     |
| تاريخه     | ١٤٤١/٤/١٩ |

|              |           |   |               |
|--------------|-----------|---|---------------|
| رقم الطلب    | ١٤٤٠/٢٧٠٢ | مصنع التلال الحديثة للصناعات المعدنية   | أسم المنشأة   |
| هاتف         | ٦٥٢٥٦٨٦   | ثالثة                                   | فئة           |
| صندوق البريد | ١٠٤٠٨     | جدة - حي الخمرة - مخطط الكرامة          | العنوان       |
| المدينة      | جدة       | ١٩٠٢٠٢٣٠٠١                              | رقم المنشأة   |
| مصدرة        | جدة       | N ٢١,٣١٢.٠٧٩٦٦٦٤٢٣٨ E ٣٩,١٦٣.٣٥٥٨٤٥٢٩٣٤ | الاحداثيات    |
|              |           | ٤٠٣٠١٥٣٧١٤                              | السجل التجاري |
|              |           | صهرو إنتاج الحديد                       | النشاط        |

توافق الهيئة العامة للأرصاد وحماية البيئة على النشاط الموضح أعلاه من الناحية البيئية مع مراعاة اللوائح والأنظمة الصادرة من الجهات الأخرى ذات العلاقة والالتزام بالنظام العام للبيئة ولاتحته التنفيذية والاشتراطات المرفقة مع هذا التصريح وتنتهي صلاحيته في ١٨/٤/١٤٤٣ هـ.

نرصد ونحمي  
لحاضرنا ومستقبلهم

مدير الإدارة العامة للتراخيص البيئية

أنور بن مبخوت النهدي



## شهادة سعودة

تاريخ الإصدار : ١٤٤٣/١٠/٨  
تاريخ صلاحية الشهادة : ١٤٤٤/١/١١  
رقم الشهادة : ٢٠٠٠٢٢٠٥٠٠٣٤٥١

اسم المنشأة: شركة التلال للحديد المحدودة - شركة شخص واحد

رقم الملف: ٨٠٠٠٥-٩

سجل تجاري: ٤٠٣٠١٥٣٧١٤

الصادر من: جدة

تشهد وزارة العمل والتنمية الاجتماعية بأن المنشأة المذكورة أعلاه حققت نسب التوطين المطلوبة منها..  
وتم منحها هذه الشهادة حسب طلبها  
(الشهادة معتمدة من صاحب الصلاحية ولا تحتاج إلى توقيع أو ختم)

تنبيهات:

١ - يمكن التحقق من صحة وصلاحية الشهادة عبر زيارة الرابط:

٢ - في حال اكتشاف أي عملية تزوير في الشهادة المقدمة نرجو التبليغ عن ذلك بخطاب رسمي لأقرب مكتب عمل.



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

**Ministries Approval**



الموضوع: بخصوص طلب اعتماد مصنع التلال الحديثة لصناعة المعادن

المحترمين

السادة مؤسسة التلال الحديثة لصناعة المعادن

(ص.ب ١٠٤٠٨ - جدة ٢١٣٣١)

السلام عليكم ورحمة الله وبركاته

إشارة إلى خطابكم رقم بدون وتاريخ ١٤٤٢/٣/١٧هـ والمورد للوزارة ٢١١٥٦ وتاريخ ١٤٤٢/٣/١٨هـ بخصوص طلب اعتماد مصنعكم لإنتاج المواد التالية:

| الأقطار |    |    |    |    |    |    | نوع التسليح  |
|---------|----|----|----|----|----|----|--------------|
| ٣٢      | ٢٥ | ٢٠ | ١٨ | ١٦ | ١٤ | ١٢ | حديد التسليح |

نفيدكم بقيام المختصين لدينا بمراجعة الملف المرفق والاختبارات التي تمت من قبلكم ومن ثم زيارة مصنعكم والاطلاع على أساليب ضبط الجودة لديكم وتفقد خطوط الإنتاج وتبين مطابقة الأتي:

مطابقة للمواصفات

| الأقطار        |    |    |    |    |    |    | نوع التسليح  |   |
|----------------|----|----|----|----|----|----|--------------|---|
| ٣٢             | ٢٥ | ٢٠ | ١٨ | ١٦ | ١٤ | ١٢ | حديد التسليح |   |
| نتيجة الإختبار |    |    |    |    |    |    |              | √ |

لذا لا مانع من استخدام منتجاتكم المطابقة للمواصفات في مشاريع الوزارة ولمدة ثلاث سنوات من تاريخ خطابنا هذا.

وتقبلوا أطيب تحياتي...

الرقم ١٤٣٩١٣٥١٧٦٩٩

التاريخ ١٤٣٩-٠٢-٢٠

المشروعات بدون



## وزارة البيئة والمياه والزراعة

Ministry of Environment Water & Agriculture

المملكة العربية السعودية Kingdom of Saudi Arabia



(٢٧٤)

وكالة الوزارة لخدمات المياه  
الإدارة العامة للهندسة والمشاريع  
إدارة الشؤون الهندسية  
١٠٠٠١٣٠٠٠٠

السادة/ مؤسسة التلال الحديثة لصناعة المعادن سلمه الله

جدة ٢١٣٣١ ص.ب ١٠٤٠٨٦ ت : ٠١٢٦٣٥٩٠٠٠٠ ف ٠١٢٦٠٨٥٤٩٤

السلام عليكم ورحمة الله وبركاته وبعد ،،،

إشارة إلى خطابكم رقم ( بدون ) بتاريخ ١٤٣٨/١/١٨هـ بشأن طلب اعتماد منتجات المؤسسة من أسياخ الصلب لتسليح الخرسانة للاقطار ( ١٢ ، ١٤ ، ١٦ ، ١٨ ، ٢٠ ، ٢٥ ، ٣٢ ) .

نفيدكم بأنه تم اعتماد منتجات مؤسستكم من أسياخ الصلب لتسليح الخرسانة للاقطار المشار إليها أعلاه بالتعميم رقم (١٤٣٩/٣٥/٧٦٩٩) بتاريخ ١٤٣٩/٢/١٢هـ لمدة عامين من تاريخه وذلك عند الحاجة إليها على أن تتعاقد المؤسسة مع مختبر محايد ومعتمد لإختبار المنتجات عند توريدها للتأكد من مطابقتها للمواصفات، دون أن تتحمل الوزارة و شركة المياه الوطنية تكلفة هذه الإختبارات.

آمل الإطلاع والإحاطة.

مع أطيب تحياتي،،،

مدير عام الإدارة العامة للهندسة والمشاريع

م. منصور بن محمد أبوثنين

info@mewa.gov.sa

هاتف: +٩٦٦٨ ٤١٧٢٤٢٠ | فاكس: +٩٦٦٨ ٤١٧٢٤٢٠

وزارة البيئة والمياه والزراعة | ٦٥ طريق الملك عبدالعزيز | الرياض ١١٩٦

Tel: +966 11 4172000 | Fax: +966 11 4172420

Ministry of Environment Water & Agriculture | 65 King Abdulaziz Road | Riyadh 11195

8002472220

www.mewa.gov.sa



السادة / مؤسسة التلال الحديثة لصناعة المعادن المحترمين

السلام عليكم ورحمة الله وبركاته،،،  
بناءً على طلبكم المتضمن طلب تجديد اعتماد مصنعكم بمدينة جدة وبعد  
الدراسة فقد تم تجديد اعتماد منتجات المصنع وهي كما يلي:

| المواصفات  | المنتج                            | اسم المصنع                                |
|--|-----------------------------------|---|
| اسياخ الصلب الكربوني ذات النتوءات لتسليح الخرسانة من<br>الدرجة (٦٠) للمقاسات (١٢,١٤,١٦,١٨,٢٠,٢٥,٣٢)<br>ملم | اسياخ الصلب<br>لتسليح<br>الخرسانة | مؤسسة التلال<br>الحديثة لصناعة<br>المعادن |

بالتعميم الصادر رقم (١٤٤١/٧٧٢٠٧/٤٩٧٣٢٣) بتاريخ  
١٤٤١/٠٨/٢٨ هـ، ولمدة عامين من تاريخه على أن يتعاقد المصنع مع مختبر  
محايد ومعتمد لاختبار المنتجات المشار إليها أعلاه عند توريدها للتأكد من مطابقتها  
للمواصفات، دون أن تتحمل الوزارة وشركة المياه الوطنية تكلفة هذه الاختبارات.

هذا وتقبلوا منا فائق الاحترام والتقدير،،،

مدير عام سلسلة الإمداد

موسى بن أحمد البارقي

٠٧ مايو ٢٠٢٠

Kingdom of Saudi Arabia  
Ministry of Health  
General Directorate for Project  
Supervision on Execution Department



المملكة العربية السعودية  
وزارة الصحة  
الإدارة العامة للمشاريع

الإدارة العامة للمشاريع  
القيود: 690493  
التاريخ: 24-04-1437 هـ - 03-02-2016 م  
مرفقات: 2+ ملف

التاريخ / / ١٤ هـ المشفوعات :

الموضوع : بشأن طلب تأهيل مؤسسة التلال الحديثة لصناعة المعادن

**السادة / مؤسسة التلال الحديثة لصناعة المعادن المحترمين**

ص.ب: ١٠٤٠٨٦ جدة: ٢١٣٣١ ت: ٠١٢/٦٣٥٩٠٠٠ ف: ٠١٢/٦٠٨٥٤٩٤

السلام عليكم ورحمة الله وبركاته ... وبعد ...

إشارة إلى خطابكم رقم قيد (٦٩٠٤٩٣) وتاريخ ١٠/٠٣/١٤٣٧ هـ بخصوص طلب تأهيلكم كمورد معتمد لمنتجات حديد التسليح الخاص بتنفيذ الهياكل الخرسانية المسلحة في مشاريع الوزارة ،

نفيدكم بأنه بعد أن تمت دراسة ملف التأهيل المرفق بخطابكم - يمكنكم تقديم منتجاتكم لمشاريع الوزارة مع الالتزام بمطابقتها مع مواصفات الوزارة .

مع أطيب تحياتي وتقديري ...

**مدير إدارة الإشراف على التنفيذ**

**المهندس/ منصور بن محمد الأسمرى**

Riyadh (11176) Tel. (4033992) Fax (40407997)

الرمز البريدي (١١١٧٦) هاتف (٤٠٣٣٩٩٢) فاكس (٤٠٤٠٧٩٧)

مطابع صحة الشارقة ١٥-٧-١٠١



وزارة الإسكان  
Ministry of Housing



رقم لصدر: ٣٩٦٣

تاريخ لصدر: ١٤٣٧/٠٤/٢٠

مقطوعات: بدون



المملكة العربية السعودية

وزارة الإسكان

الإدارة العامة للإشراف ومتابعة المشاريع  
لجنة اعتماد المواد

الموضوع / بشأن تأهيل مؤسسة التلال الحديثة في مشاريع الوزارة

المكرمين / مؤسسة التلال الحديثة لصناعة المعادن

ص.ب: ١٠٤٠٨٦ جدة: ٢١٣٣١ الهاتف: ٠١٣٦٣٥٩٠٠٠ فاكس: ٠١٣٦٠٨٥٤٩٤

السلام عليكم ورحمة الله وبركاته

إشارة إلى خطابكم رقم (٤١٧٨) وتاريخ ١٤٣٧/٠٣/٠٩هـ بشأن طلب تأهيل شركتكم لتوريد حديد التسليح في مشاريع الوزارة، بعد الاطلاع والدراسة من قبل المختصين بالوزارة لل ملف التأهيل نفيديكم أنه لامانع من اعتماد منتجات مصنعكم لحديد التسليح على أن يتم التقديم من خلال المقاولين المنفذين للمشاريع مع الإلتزام بمايلي:

١. تقديم شهادات إختبار صادرة من أحد المعامل الحكومية بتاريخ التوريد للموقع.

٢. شهادة ضمان لمدة لا تقل عن عشر سنوات.

٣. تقديم شهادة مطابقة معتمدة من الشركة الموردة بالكميات التي يتم توريدها إلى الموقع.

٤. مراعاة المواصفات الفنية وأصول الصناعة وتعليمات الشركة المنتجة أثناء أعمال التركيب

ولكم تحياتي  
مدير عام الادارة العامة للإشراف

ومتابعة المشاريع المكلف

المهندس / عبدالله بن عواد العنزي

المملكة العربية السعودية  
وزارة التعليم  
وكالة الوزارة للمباني  
الإدارة العامة لمراقبة الجودة



وزارة التعليم  
Ministry of Education

من: إدارة مراقبة الجودة  
رقم وثيقة التفتيش: 34421  
الرقم لمرحلة: 1439/05/26  
0



الموضوع: الموافقة على توريد منتجات  
مصنعتكم في محافظة جدة في مجال أعمال  
تصنيع حديد التسليح لدى مشاريع وزارة التعليم.

**المكرم : مدير عام مصنع مؤسسة التلال الحديثة لصناعة المعادن**  
ص.ب: ١٠٤٠٨٦ جدة (٢١٢٣١) تليفون : ٠١٢٦٦٣٥٩٠٠٠ فاكس ٠٢٢٦١٨٥٤٩٤٤

السلام عليكم ورحمة الله وبركاته  
ويعد

أشاره الى خطابكم رقم ٣٤٤٢١ بتاريخ ١٨/٠٢/١٤٣٩هـ، بشأن اعتماد منتجات مصنعكم في محافظة  
جدة لدى الوزارة وذلك في مجال تصنيع حديد التسليح حسب مواصفات الوزارة.  
نفيدكم بأنه يمكنكم تقديم عيناتكم وذلك من خلال المقاولين المتفذين لمشاريع الوزارة، علماً بأنه  
سيتم تقييم المنتج بشكل دوري وعليكم مراعاة الالتزام بما يلي:

- تقديم شهادة الضمان للمنتجات مصدقة من الغرفة التجارية.
- للوزارة الحق في مطالبتكم في أي وقت باختبار المنتج الذي تم توريده وتحميلكم تكاليف إجراء الاختبار.
- عند مخالفة ما تم ذكره من ملاحظات سابقة، أو ثبت للوزارة سوء المنتج المورد للموقع أو سوء خدمات ما  
بعد التوريد والتركيب، أو تبين وجود عيوب بها، أو عدم مطابقتها ما تم تقديمه للموقع فثباً مع ما تم اعتماده  
ستقوم الوزارة بإلغاء اعتماد منتجاتكم وتحميلكم تبعات ومسؤولية ذلك.

ولكم تحياتنا، ،،

مدير عام مراقبة الجودة  
  
المهندس / بحير بن عبد الرحمن البجيري



**Materials Sector Purchasing  
Department Vendors Affairs  
Division**

Date: 13/10/15  
Vendor Name: HILL METALS EST.  
Attention: **FAYYAZUDDIN**  
C. R. NO: **4303010304**  
E-mail 1: [fayyaz@hillmetals.com](mailto:fayyaz@hillmetals.com)

**SUBJECT: VENDOR'S REGISTRATION NOTIFICATION**

Dear Sir,

We are pleased to inform that your commercial documents have been evaluated and your company is now registered with Saudi Electricity Company under Vendor No (**2006137**),

You must fill up the prequalification form / requirements whenever it is applicable, which is available on SEC website [www.se.com.sa](http://www.se.com.sa) / procurement / MFRs' prequalification to deliver materials based on your activity in your Commercial Registration:

| Applicable for Distribution Materials | Applicable for Generation Materials | Applicable for Industrial Security Materials | Applicable for Transportation Materials |
|---------------------------------------|-------------------------------------|--|---|
| No                                    | -                                   | -  | -                                       |

To Login E-Bidding System: ([Click Here](#))

Vendor ID: **2006137**  
Password : XXXXXXXXXX

When you log on the system as a first time please change your password immediately through e-bidding link which available on SEC webpage.

**Notice :**

1. This approval should not be construed as commitment by SEC to purchase from you but when needed SEC will invite you to bid and will be evaluated based on the established policies & procedures.
2. If the Bid is considered as a LOW VALUE you must quote through the e-bidding system. However, if the bid is a HIGH VALUE you must submit the quotation in a closed envelope and submit to reception of purchasing sections in operating area's requested the materials'.

We would suggest that you maintain a continuous contact with Purchasing Sections in SEC operating areas. We thank you for your interest to deal with Saudi Electricity Company.

Best Regards

Ibrahim Al-Ghamdi  
Vendor Affairs and Support Division Manager  
Headquarters - Grnatah Tower (A6) - Gth floor  
Office +966 (11) 8079651  
Riyadh- Saudi Arabia  
[pcsvsdv@se.com.sa](mailto:pcsvsdv@se.com.sa)



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

# Quality Certifications



الهيئة السعودية للمواصفات والمقاييس والجودة  
Saudi Standards, Metrology and Quality Org.

## شهادة ترخيص باستعمال علامة الجودة License For Use of The Quality Mark

رقم الترخيص: 1-000004030153714-1436 License Number

SASO certifies that it has granted the right to use (SASO) quality mark on the following products, after fulfilling the required requirements according to the related normative references:

تشهد الهيئة السعودية للمواصفات والمقاييس والجودة بأنها رخصت باستخدام علامة الجودة على المنتجات الموضحة أدناه بعد استيفائها للمتطلبات اللازمة وفق المراجع القياسية الخاصة بها:

|                              |                                       |                                      |
|------------------------------|---------------------------------------|--------------------------------------|
| The Establishment:           | مصنع التلال الحديثة للصناعات المعدنية | المنشأة:                             |
| The Establishment's Address: | جدة - المدينة الصناعية                | عنوان المنشأة:                       |
| Production Line Location:    | جدة - المدينة الصناعية                | موقع خط الإنتاج:                     |
| Normative References:        | SASO ASTM A615/2018                   | المراجع القياسية:                    |
| The Trade Mark:              | التلال                                | العلامة التجارية:                    |
| The Product:                 | اسياخ الصلب                           | المنتج:<br>(مماثل، المنتج في الملحق) |
| Date of Granting:            | 2014/01/29                            | تاريخ المنح:                         |
| Date of Renewal:             | 2019/09/06                            | تاريخ التجديد:                       |
| Date of Expiry:              | 2022/09/05                            | تاريخ الانتهاء:                      |



نائب محافظ الهيئة للمطابقة والجودة  
Vice Governor of Conformity and Quality Affairs

*(Signature)*

المهندس / سعود بن راشد العسكر  
Eng. Saud R. AlAskar



www.saso.gov.sa

This certificate shall be subject to the relevant laws and regulations of Saudi Arabia and any instructions or amendments issued by SASO, during its validity.

Visit SASO website (www.saso.gov.sa) to verify this certification or (omgaw) (akkaaf) applications.  
Any changes to information on this certificate will affect its validity.  
PO Box 3437 Riyadh 11471 KSA  
Tel: 92009903 Fax: 966114520086

1 / 2

QMS-F-10-90  
Issue # 5 Date 25/04/1441  
Rev # 0 Date 25/04/1441

للتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت (www.saso.gov.sa) أو من خلال تطبيق (تأكد).  
أي كسب أو تغيير في هذه الشهادة يُلغى.  
من: ٢٤٢٧ الرياض ١١٤٧١ المملكة العربية السعودية  
هاتف: ٩٢٠٠٩٩٠٣ - فاكس: ٩٦٦١١٤٥٢



ملحق شهادة ترخيص باستعمال علامة الجودة  
Appendix (License For Use of The Quality Mark)



الهيئة السعودية للمواصفات والمقاييس والجودة  
Saudi Standards, Metrology and Quality Org.

|                              |  |
|------------------------------|--|
| The establishment:           | مصنع التلال الحديثة للمصناعات المعدنية |
| Certificate No.:             | 1-000004030153714-1436                 |
| Certificate Expiration Date: | 2022/09/05                             |
| Product:                     | أسياخ الصلب                            |
| Brand Name:                  | التلال                                 |

مصنع التلال الحديثة للمصناعات المعدنية  
1-000004030153714-1436  
2022/09/05  
أسياخ الصلب  
التلال

|                       |  |
|-----------------------|--|
| المنشأة:              | مصنع التلال الحديثة للمصناعات المعدنية |
| رقم الترخيص:          | 1-000004030153714-1436                 |
| تاريخ انتهاء الترخيص: | 2022/09/05                             |
| المنتج:               | أسياخ الصلب                            |
| العلامة التجارية:     | التلال                                 |

| تاريخ العزج/المجدد<br>Date of Granting/Renewal | المقاسات<br>Size              | الصف<br>Classification  | No. |
|--|-------------------------------|---|-----|
| 2019/09/06                                     | 12, 14, 16, 18, 20, 25, 32 مم | اسياخ الصلب الكربوني ذات التواءات لتسليح الخرسانة من الدرجة ٦٠ (Grade 60) | 1   |



www.saso.gov.sa

Visit SASO website (www.saso.gov.sa) to verify this certification or using an (Akkad) application.  
Any changes or modifications on this certificate will affect its validity.  
P.O.Box 5477 Riyadh 11571, K.S.A.  
T: +966114220000 F: +966114220000

2 / 2

QMS-F-10-04  
Issue # 3 Date 2004/04/11  
Rev # 0 Date 11/04/1411

تنتكز من صفة هذه الشهادة وهي زيارتنا بولمنا على الإنترنت  
(www.saso.gov.sa) أو من خلال تطبيق (أكاد)  
أي كسلا أو تعديلي هذه الشهادة يغيرها.  
من - ٥٤٧٧ الرياض ١١٥٧١ المملكة العربية السعودية  
هاتف: ٠١١٤٢٢٠٠٠٠ - ٠١١٤٢٢٠٠٠٠ فاكس: ٠١١٤٢٢٠٠٠٠

# شهادة

ISO 9001:2015

معيار الاختبار:

01 100 1329090

رقم تسجيل الشهادة :

شركة التلال للحديد المحدودة - شركة شخص واحد

الشركة:

بلوك 19 مخطط الكرامة الصناعي  
الخمرة - جدة, المملكة العربية السعودية  
الرمز البريدي  
ص.ب 104086  
جدة 21331  
المملكة العربية السعودية

مجال سريان المفعول: إنتاج وبيع كتل الحديد الصلب و اسياخ التسليح

بينت المراجعة الإيفاء بمتطلبات ISO 9001:2015.

الشهادة صالحة من 2021/06/14 إلى 2024/06/13

الصلاحية:

2021/06/21

TÜV Rheinland Cert GmbH  
Am Grauen Stein · 51105 Köln

www.tuv.com



TÜVRheinland®  
Precisely Right.

# Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 1329090**

Certificate Holder: **Al Tilal Steel Company Limited**  
Mohata't Al Karama, Block 19  
Jeddah-Al Khumra Industrial Area  
Saudi Arabia


including the branch offices according to annex

Scope: Manufacturing & Sales of steel billets and deformed steel bars

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2021-06-14 until 2024-06-13.  
First certification 2013

2021-06-21

  
TÜV Rheinland Cert GmbH  
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# شهادة

ISO 14001:2015

معيار الاختبار:

01 104 1722069

رقم تسجيل الشهادة :

شركة التلال للحديد المحدودة - شركة شخص واحد

الشركة:

بلوك 19 مخطط الكرامة الصناعي  
الخمرة - جدة, المملكة العربية السعودية  
الرمز البريدي  
ص.ب 104086  
جدة 21331  
المملكة العربية السعودية

مجال سريان المفعول: إنتاج وبيع كتل الحديد الصلب و اسياخ التسليح

بينت المراجعة الإيفاء بمتطلبات ISO 14001:2015.

الشهادة صالحة من 2021/05/11 إلى 2024/04/23

الصلاحية:

2021/06/21

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# Certificate

Standard **ISO 14001:2015**

Certificate Registr. No. **01 104 1722069**

Certificate Holder: **Al Tilal Steel Company Limited**  
Mohata't Al Karama, Block 19  
Jeddah-Al Khumra Industrial Area  
Saudi Arabia

including the branch offices according to annex

Scope: **Manufacturing & Sales of steel billets and deformed steel bars**

Proof has been furnished by means of an audit that the requirements of ISO 14001:2015 are met.

Validity: **The certificate is valid from 2021-05-11 until 2024-04-23.**  
First certification 2018

2021-06-21

TÜV Rheinland Cert GmbH  
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# CERTIFICATE OF APPROVAL



**Product Conformity Certification - ASTM A615/A615M,  
A706/A706M**

**Page  
1 of 2**

This is to certify that

**AL TILAL STEEL COMPANY LIMITED, JEDDAH, KSA.**

at its establishment at

**BLOCK19, ALKARAMA INDUSTRIAL AREA., PO BOX 104086, AL-  
KHUMRA, JEDDAH, 21331, Saudi Arabia**

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 | FIRST APPROVAL  | ISSUE DATE             | EXPIRY DATE             |
|--------------------|-----------------|------------------------|-------------------------|
| <b>160501</b>      | <b>May 2016</b> | <b>01 January 2022</b> | <b>31 December 2022</b> |

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

*Lee Brankley*

Lee Brankley,  
Chief Executive Officer

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 0002.

UK Certification Authority for Reinforcing Steels, Pembroke House, 21 Pembroke Road, Sevenoaks, Kent, TN13 1XR, UK  
A Company Limited by Guarantee. Registered in England No. 1762448.

Cert. Ref: ALLC112010 66601 1184 v03



## APPENDIX TO CARES CERTIFICATE NO. 160501

**AL TILAL STEEL COMPANY LIMITED, JEDDAH, KSA.  
BLOCK19, ALKARAMA INDUSTRIAL AREA., PO BOX  
104086, AL-KHUMRA  
JEDDAH, 21331, SAUDI ARABIA**



**Product Conformity Certification - ASTM A615/A615M, page  
A706/A706M 2 of 2**

**CPAS 20 - ASTM A615 and/or ASTM A706**

### Scope of certification:

ASTM A615 Grade 60 Bar 12 to 32mm  
(including the equivalent imperial sizes)

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 | FIRST APPROVAL  | ISSUE DATE             | EXPIRY DATE             |
|--------------------|-----------------|------------------------|-------------------------|
| <b>160501</b>      | <b>May 2016</b> | <b>01 January 2022</b> | <b>31 December 2022</b> |

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

*Lee Brankley*

Lee Brankley,  
Chief Executive Officer

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 0002.  
UK Certification Authority for Reinforcing Steels, Pembroke House, 21 Pembroke Road, Sevenoaks, Kent, TN13 1XR, UK.  
A Company Limited by Guarantee. Registered in England No. 1762448.  
Cert. Ref: A1C112010 66601 1184.v03



24 Aug 2015

Application reference number: 1538

**Fayyaz Ud din**

HILL METALS EST.

P.O. Box 104086 JEDDAH

21331

Fax: +966-12-6085494

**Dear Fayyaz Ud din,**

We are pleased to inform you that your company is now included in the Saudi Aramco Supplier Information System, under vendor no. **0010056317** for the following products, provided your company continues to meet relevant Saudi Arabian and Saudi Aramco standards:

| Manufacturer/Plant ID | 9COM   | Description  |
|-----------------------|--------|--|
| 0010056317            | 126000 | BAR; REINFORCING TYPE,STEEL,SASO SSA 2,ASTM A615,UNCOATED REBAR,CERTIFIED MILL TEST REPORT AND MECHANICAL PROPERTIES CERTIFICATES, |

\*Note: In case of any limitations.

This approval, however, should not be construed as a commitment by Saudi Aramco to purchase from you, but your company will have the opportunity, along with other approved sources, to respond to requests for submitting proposals in accordance with Saudi Aramco's established policies and procedures.

Saudi Aramco wishes to remind you that being recognized as a potential supplier is a privilege which carries with it serious obligations and responsibilities to act in a legal and ethical manner. We wish to remind you of the Saudi Aramco Supplier Code of Conduct (SCOC) which you acknowledged. Failure to abide by the principles set forth in the SCOC can result in adverse actions being taken by Saudi Aramco against you including suspension of you as a supplier. Saudi Aramco also expects each of its suppliers to satisfy each of the requirements of any purchase agreements or orders which might be placed and to act responsibly and reliably as a supply chain supplier.

We would like to thank you for your interest in Saudi Aramco and take this opportunity to reiterate that it is Saudi Aramco's policy to encourage the use of nationally manufactured materials.

**Ali Al Ruzaigi**  
Supplier Relations Management Unit



KINGDOM OF SAUDI ARABIA  
**Saudi Arabian Mining Company**  
Saudi Joint Stock Company  
Paid up Capital SR. 9,250,000,000

المملكة العربية السعودية  
شركة التعدين العربية السعودية ( معادن )  
شركة مساهمة سعودية  
رأس المال المدفوع ( 9,250,000,000 ) ريال

Dear Vendor,

I am pleased to inform you that your company **HILL METALS FACTORY** has been successfully registered with Ma'aden.

From now onwards, your company may receive from Ma'aden or its affiliates, request(s) to participate in tenders (RFP/RFQ) for Goods and/or Services and/or Projects in line with your competencies. However, please do not read into this letter that it constitutes a guarantee that you will receive any such requests, as those are dependent on many factors evaluated according to our discretion as needs arise.

Please note that your Vendor Code is: **39274**

You should also have received, an ID and password that will allow you to log on our Supplier Portal [Oracle Applications system](#).

If you have any further questions or require additional information, then don't hesitate to contact me.

We appreciate your interest in becoming a Ma'aden vendor and look forward to the opportunity to work with you.

Best Regards,

Supplier Relationship Manager



Web site 網址 : <http://www.cedd.gov.hk>  
E-mail 電子郵件 :  
Telephone 電話 : (852) 2762 5144  
Facsimile 傳真 : (852) 2760 7264  
Our ref 本署檔號 : ( 6 ) in CEDD S/3-20/5/2 Pt.VI  
Your ref 來函檔號 :

香港九龍公主道 101 號  
土木工程拓展署大樓  
Civil Engineering and  
Development Building,  
101 Princess Margaret Road,  
Kowloon, Hong Kong

Hill Metals Establishment  
P.O. BOX 104086  
Jeddah 21331,  
KSA  
(Attn: Fayyaz Uddin, Head of Quality Control Dept.)

By Record Delivery

18 Apr 2018

Dear Fayyaz Uddin,

**Supplier Registration**

With reference to your application for supplier registration, I am pleased to inform you that you have been included in our Supplies Lists under the following Purchasing Group(s):

**Description of Purchasing Group**

**Product**

Miscellaneous – Deformed Steel Bars

You are advised that acceptance of your products/ services will depend on quotation evaluation results based on recommendations of users.

You should inform me in writing immediately of any changes in the company particulars as well as product lines.

The Government reserves the right to review your qualified status in the light of any new information relevant to your qualification.

Should you have any enquiries, please feel free to contact me or Ms Sara WAN at tel. no. 2762 5144.

Yours sincerely,

(Ms Olivia LEUNG)  
for Director of Civil Engineering & Development

卓越工程 建設香港

We Engineer Hong Kong's Development

dun & bradstreet

This is to certify that

**AL TILAL STEEL COMPANY LIMITED**

Block 19,  
Al-Khumra Industrial Area,  
Jeddah, 21331,  
Saudi Arabia

is now part of the Dun and Bradstreet Global Database  
and has been assigned the

**D&B D-U-N-S® Number: 55-765-6977**



Firas Al Sabbagh  
General Manager  
Dun & Bradstreet Saudi Arabia Limited Company

September 07, 2021

DUN & BRADSTREET D-U-N-S® CERTIFICATE



# Material Test Reports



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

## Mill Test Certificates (MTCs)



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

HM/QCD/Mech/F-04

Mohatat Al-Karama, Al-Khumra Industrial Area, Block 19,  
P.O.Box 104086, Jeddah 21331, Saudi Arabia  
Tel: +966 126359000, Fax: +966 126085494

[www.tilalsteel.com](http://www.tilalsteel.com)

### MILL TEST CERTIFICATE

|                |                        |                              |  |
|----------------|------------------------|------------------------------|--|
| Certificate No | ATS/QCD/22/57493       | Date                         | 03.10.2021                             |
| Customer       | To Whom It May Concern | Specifications:              | SASO ASTM A615 / A615M + A1:2018 Gr-60 |
| Product        | Deformed Rebar         | Batch No                     | HM57493                                |
| Size           | 10 MM                  | CARES Dispensation Reference | -DL/118/20                             |

### DIMENSIONS

| SR.NO. | Nominal Size mm | Length M | Weight Kg/M | No of bars Per Bundle |
|--------|-----------------|----------|-------------|-----------------------|
| 1      | 10              | 12       | 0.617       | 270                   |

Test Method: ASTM A370

### MECHANICAL PROPERTIES

| SR.NO. | Cross Sect. Area mm <sup>2</sup> | Yield Strength N/mm <sup>2</sup> | Tensile Strength N/ mm <sup>2</sup> | Elongation % | Bend Test |
|--------|----------------------------------|----------------------------------|-------------------------------------|--------------|-----------|
| 2      | 79.00                            | 608.00                           | 691.00                              | 13.00        | OK        |

Test Method: Spectrometric Analysis using ARL 3460 OES Instrument

### CHEMICAL PROPERTIES

| SR.NO. | C%   | Mn % | Si % | S %   | P %   | N %   | CEV % |
|--------|------|------|------|-------|-------|-------|-------|
| 3      | 0.26 | 0.75 | 0.22 | 0.044 | 0.029 | 0.009 | 0.44  |

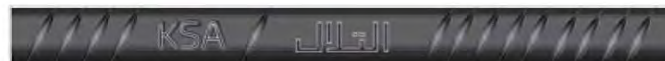
#### Note:

1. On behalf of Al Tilal Steel, We verify that the material properties quoted meet the requirements of the stated standard.
2. The materials used for production of billets / rebars are free from Radio Active elements .

### HEAD OF QUALITY CONTROL



ISO 9001:2015  
ISO 14001:2015  
Management System  
Valid until:  
13 Apr & 6 Jun 2024  
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## Mill Test Certificates (MTCs)



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

HM/QCD/Mech/F-04

Mohatat Al-Karama, Al-Khumra Industrial Area, Block 19,  
P.O.Box 104086, Jeddah 21331, Saudi Arabia  
Tel: +966 126359000, Fax: +966 126085494

[www.tilalsteel.com](http://www.tilalsteel.com)

### MILL TEST CERTIFICATE

|                |                        |                              |  |
|----------------|------------------------|------------------------------|--|
| Certificate No | ATS/QCD/22/62759       | Date                         | 04.05.2022                             |
| Customer       | To Whom It May Concern | Specifications:              | SASO ASTM A615 / A615M + A1:2018 Gr-60 |
| Product        | Deformed Rebar         | Batch No                     | HM62759                                |
| Size           | 12 MM                  | CARES Dispensation Reference | -DL/118/20                             |

### DIMENSIONS

| SR.NO. | Nominal Size mm | Length M | Weight Kg/M | No of bars Per Bundle |
|--------|-----------------|----------|-------------|-----------------------|
| 1      | 12              | 12       | 0.888       | 188                   |

Test Method: ASTM A370

### MECHANICAL PROPERTIES

| SR.NO. | Cross Sect. Area mm <sup>2</sup> | Yield Strength N/mm <sup>2</sup> | Tensile Strength N/mm <sup>2</sup> | Elongation % | Bend Test |
|--------|----------------------------------|----------------------------------|------------------------------------|--------------|-----------|
| 2      | 113.00                           | 638.00                           | 707.00                             | 12.30        | OK        |

Test Method: Spectrometric Analysis using ARL 3460 OES Instrument

### CHEMICAL PROPERTIES

| SR.NO. | C %  | Mn % | Si % | S %   | P %   | N %   | CEV % |
|--------|------|------|------|-------|-------|-------|-------|
| 3      | 0.24 | 0.71 | 0.20 | 0.027 | 0.022 | 0.007 | 0.39  |

Note:

1. On behalf of Al Tilal Steel, We verify that the material properties quoted meet the requirements of the stated standard.
2. The materials used for production of billets / rebars are free from Radio Active elements .

### HEAD OF QUALITY CONTROL



ISO 9001:2015  
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## Mill Test Certificates (MTCs)



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

HM/QCD/Mech/F-04

Mohatat Al-Karama, Al-Khumra Industrial Area, Block 19,  
P.O.Box 104086, Jeddah 21331, Saudi Arabia  
Tel: +966 126359000, Fax: +966 126085494

[www.tilalsteel.com](http://www.tilalsteel.com)

### MILL TEST CERTIFICATE

|                |                        |                              |  |
|----------------|------------------------|------------------------------|--|
| Certificate No | ATS/QCD/22/62129       | Date                         | 10.04.2022                             |
| Customer       | To Whom It May Concern | Specifications:              | SASO ASTM A615 / A615M + A1:2018 Gr-60 |
| Product        | Deformed Rebar         | Batch No                     | HM62129                                |
| Size           | 14 MM                  | CARES Dispensation Reference | -DL/118/20                             |

### DIMENSIONS

| SR.NO. | Nominal Size mm | Length M | Weight Kg/M | No of bars Per Bundle |
|--------|-----------------|----------|-------------|-----------------------|
| 1      | 14              | 12       | 1.21        | 138                   |

Test Method: ASTM A370

### MECHANICAL PROPERTIES

| SR.NO. | Cross Sect. Area mm <sup>2</sup> | Yield Strength N/mm <sup>2</sup> | Tensile Strength N/ mm <sup>2</sup> | Elongation % | Bend Test |
|--------|----------------------------------|----------------------------------|-------------------------------------|--------------|-----------|
| 2      | 154.00                           | 629.00                           | 727.00                              | 13.40        | OK        |

Test Method: Spectrometric Analysis using ARL 3460 OES Instrument

### CHEMICAL PROPERTIES

| SR.NO. | C%   | Mn % | Si % | S %   | P %   | N %   | CEV % |
|--------|------|------|------|-------|-------|-------|-------|
| 3      | 0.25 | 0.75 | 0.25 | 0.032 | 0.026 | 0.008 | 0.43  |

#### Note:

1. On behalf of Al Tilal Steel, We verify that the material properties quoted meet the requirements of the stated standard.
2. The materials used for production of billets / rebars are free from Radio Active elements .

### HEAD OF QUALITY CONTROL



ISO 9001:2015  
ISO 14001:2015  
Management System  
Valid until:  
13 Apr & 6 Jun 2024  
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## Mill Test Certificates (MTCs)



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

HM/QCD/Mech/F-04

Mohatat Al-Karama, Al-Khumra Industrial Area, Block 19,  
P.O.Box 104086, Jeddah 21331, Saudi Arabia  
Tel: +966 126359000, Fax: +966 126085494

[www.tilalsteel.com](http://www.tilalsteel.com)

### MILL TEST CERTIFICATE

|                |                        |                              |  |
|----------------|------------------------|------------------------------|--|
| Certificate No | ATS/QCD/22/62540       | Date                         | 26.04.2022                             |
| Customer       | To Whom It May Concern | Specifications:              | SASO ASTM A615 / A615M + A1:2018 Gr-60 |
| Product        | Deformed Rebar         | Batch No                     | HM62540                                |
| Size           | 16 MM                  | CARES Dispensation Reference | -DL/118/20                             |

### DIMENSIONS

| SR.NO. | Nominal Size<br>mm | Length<br>M | Weight<br>Kg/M | No of bars<br>Per Bundle |
|--------|--------------------|-------------|----------------|--------------------------|
| 1      | 16                 | 12          | 1.58           | 106                      |

Test Method: ASTM A370

### MECHANICAL PROPERTIES

| SR.NO. | Cross Sect.<br>Area mm <sup>2</sup> | Yield Strength<br>N/mm <sup>2</sup> | Tensile Strength<br>N/ mm <sup>2</sup> | Elongation<br>% | Bend Test |
|--------|-------------------------------------|-------------------------------------|--|-----------------|-----------|
| 2      | 201.00                              | 619.00                              | 716.00                                 | 13.30           | OK        |

Test Method: Spectrometric Analysis using ARL 3460 OES Instrument

### CHEMICAL PROPERTIES

| SR.NO. | C%   | Mn % | Si % | S %   | P %   | N %   | CEV % |
|--------|------|------|------|-------|-------|-------|-------|
| 3      | 0.26 | 0.72 | 0.16 | 0.033 | 0.028 | 0.007 | 0.42  |

Note:

1. On behalf of Al Tilal Steel, We verify that the material properties quoted meet the requirements of the stated standard.
2. The materials used for production of billets / rebars are free from Radio Active elements .

### HEAD OF QUALITY CONTROL



ISO 9001:2015  
ISO 14001:2015  
Management  
System  
Valid until:  
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## Mill Test Certificates (MTCs)



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

HM/QCD/Mech/F-04

Mohatat Al-Karama, Al-Khumra Industrial Area, Block 19,  
P.O.Box 104086, Jeddah 21331, Saudi Arabia  
Tel: +966 126359000, Fax: +966 126085494

[www.tilalsteel.com](http://www.tilalsteel.com)

### MILL TEST CERTIFICATE

|                |                        |                              |  |
|----------------|------------------------|------------------------------|--|
| Certificate No | ATS/QCD/22/57416       | Date                         | 25.09.2021                             |
| Customer       | To Whom It May Concern | Specifications:              | SASO ASTM A615 / A615M + A1:2018 Gr-60 |
| Product        | Deformed Rebar         | Batch No                     | HM57416                                |
| Size           | 18 MM                  | CARES Dispensation Reference | -DL/118/20                             |

### DIMENSIONS

| SR.NO. | Nominal Size<br>mm | Length<br>M | Weight<br>Kg/M | No of bars<br>Per Bundle |
|--------|--------------------|-------------|----------------|--------------------------|
| 1      | 18                 | 12          | 2              | 84                       |

Test Method: ASTM A370

### MECHANICAL PROPERTIES

| SR.NO. | Cross Sect.<br>Area mm <sup>2</sup> | Yield Strength<br>N/mm <sup>2</sup> | Tensile Strength<br>N/ mm <sup>2</sup> | Elongation<br>% | Bend Test |
|--------|-------------------------------------|-------------------------------------|--|-----------------|-----------|
| 2      | 255.00                              | 576.00                              | 696.00                                 | 14.00           | OK        |

Test Method: Spectrometric Analysis using ARL 3460 OES Instrument

### CHEMICAL PROPERTIES

| SR.NO. | C %  | Mn % | Si % | S %   | P %   | N %   | CEV % |
|--------|------|------|------|-------|-------|-------|-------|
| 3      | 0.22 | 0.63 | 0.23 | 0.042 | 0.029 | 0.008 | 0.38  |

#### Note:

1. On behalf of Al Tilal Steel, We verify that the material properties quoted meet the requirements of the stated standard.
2. The materials used for production of billets / rebars are free from Radio Active elements .

### HEAD OF QUALITY CONTROL



Validate with the  
CARES Cloud App



ISO 9001:2015  
ISO 14001:2015  
Management  
System  
Valid until:  
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## Mill Test Certificates (MTCs)



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

HM/QCD/Mech/F-04

Mohatat Al-Karama, Al-Khumra Industrial Area, Block 19,  
P.O.Box 104086, Jeddah 21331, Saudi Arabia  
Tel: +966 126359000, Fax: +966 126085494

[www.tilalsteel.com](http://www.tilalsteel.com)

### MILL TEST CERTIFICATE

|                |                        |                              |  |
|----------------|------------------------|------------------------------|--|
| Certificate No | ATS/QCD/22/62385       | Date                         | 20.04.2022                             |
| Customer       | To Whom It May Concern | Specifications:              | SASO ASTM A615 / A615M + A1:2018 Gr-60 |
| Product        | Deformed Rebar         | Batch No                     | HM62385                                |
| Size           | 20 MM                  | CARES Dispensation Reference | -DL/118/20                             |

### DIMENSIONS

| SR.NO. | Nominal Size mm | Length M | Weight Kg/M | No of bars Per Bundle |
|--------|-----------------|----------|-------------|-----------------------|
| 1      | 20              | 12       | 2.47        | 68                    |

Test Method: ASTM A370

### MECHANICAL PROPERTIES

| SR.NO. | Cross Sect. Area mm <sup>2</sup> | Yield Strength N/mm <sup>2</sup> | Tensile Strength N/ mm <sup>2</sup> | Elongation % | Bend Test |
|--------|----------------------------------|----------------------------------|-------------------------------------|--------------|-----------|
| 2      | 314.00                           | 629.00                           | 735.00                              | 12.50        | OK        |

Test Method: Spectrometric Analysis using ARL 3460 OES Instrument

### CHEMICAL PROPERTIES

| SR.NO. | C%   | Mn % | Si % | S %   | P %   | N %   | CEV % |
|--------|------|------|------|-------|-------|-------|-------|
| 3      | 0.26 | 0.73 | 0.19 | 0.040 | 0.031 | 0.009 | 0.42  |

Note:

1. On behalf of Al Tilal Steel, We verify that the material properties quoted meet the requirements of the stated standard.
2. The materials used for production of billets / rebars are free from Radio Active elements .

### HEAD OF QUALITY CONTROL



ISO 9001:2015  
ISO 14001:2015  
Management System  
Valid until:  
13 Apr & 6 Jun 2024  
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## Mill Test Certificates (MTCs)



Mohatat Al-Karama, Al-Khumra Industrial Area, Block 19,  
P.O.Box 104086, Jeddah 21331, Saudi Arabia  
Tel: +966 126359000, Fax: +966 126085494

HM/QCD/Mech/F-04

[www.tilalsteel.com](http://www.tilalsteel.com)

### MILL TEST CERTIFICATE

|                |                        |                              |  |
|----------------|------------------------|------------------------------|--|
| Certificate No | ATS/QCD/22/62820       | Date                         | 07.05.2022                             |
| Customer       | To Whom It May Concern | Specifications:              | SASO ASTM A615 / A615M + A1:2018 Gr-60 |
| Product        | Deformed Rebar         | Batch No                     | HM62820                                |
| Size           | 25 MM                  | CARES Dispensation Reference | -DL/118/20                             |

### DIMENSIONS

| SR.NO. | Nominal Size mm | Length M | Weight Kg/M | No of bars Per Bundle |
|--------|-----------------|----------|-------------|-----------------------|
| 1      | 25              | 12       | 3.85        | 44                    |

Test Method: ASTM A370

### MECHANICAL PROPERTIES

| SR.NO. | Cross Sect. Area mm <sup>2</sup> | Yield Strength N/mm <sup>2</sup> | Tensile Strength N/ mm <sup>2</sup> | Elongation % | Bend Test |
|--------|----------------------------------|----------------------------------|-------------------------------------|--------------|-----------|
| 2      | 491.00                           | 601.00                           | 715.00                              | 12.80        | OK        |

Test Method: Spectrometric Analysis using ARL 3460 OES Instrument

### CHEMICAL PROPERTIES

| SR.NO. | C%   | Mn % | Si % | S %   | P %   | N %   | CEV % |
|--------|------|------|------|-------|-------|-------|-------|
| 3      | 0.26 | 0.72 | 0.23 | 0.032 | 0.030 | 0.008 | 0.42  |

Note:

1. On behalf of Al Tilal Steel, We verify that the material properties quoted meet the requirements of the stated standard.
2. The materials used for production of billets / rebars are free from Radio Active elements .

### HEAD OF QUALITY CONTROL



ISO 9001:2015  
ISO 14001:2015  
Management System  
Valid until:  
13 Apr & 6 Jun 2024  
www.tuv.com  
ID 0000080513





## Mill Test Certificates (MTCs)



AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

HM/QCD/Mech/F-04

Mohatat Al-Karama, Al-Khumra Industrial Area, Block 19,  
P.O.Box 104086, Jeddah 21331, Saudi Arabia  
Tel: +966 126359000, Fax: +966 126085494

[www.tilalsteel.com](http://www.tilalsteel.com)

### MILL TEST CERTIFICATE

|                |                        |                              |  |
|----------------|------------------------|------------------------------|--|
| Certificate No | ATS/QCD/22/61406       | Date                         | 16.03.2022                             |
| Customer       | To Whom It May Concern | Specifications:              | SASO ASTM A615 / A615M + A1:2018 Gr-60 |
| Product        | Deformed Rebar         | Batch No                     | HM61406                                |
| Size           | 32 MM                  | CARES Dispensation Reference | -DL/118/20                             |

### DIMENSIONS

| SR.NO. | Nominal Size<br>mm | Length<br>M | Weight<br>Kg/M | No of bars<br>Per Bundle |
|--------|--------------------|-------------|----------------|--------------------------|
| 1      | 32                 | 12          | 6.31           | 26                       |

Test Method: ASTM A370

### MECHANICAL PROPERTIES

| SR.NO. | Cross Sect.<br>Area mm <sup>2</sup> | Yield Strength<br>N/mm <sup>2</sup> | Tensile Strength<br>N/ mm <sup>2</sup> | Elongation<br>% | Bend Test |
|--------|-------------------------------------|-------------------------------------|--|-----------------|-----------|
| 2      | 805.00                              | 556.00                              | 690.00                                 | 14.30           | OK        |

Test Method: Spectrometric Analysis using ARL 3460 OES Instrument

### CHEMICAL PROPERTIES

| SR.NO. | C %  | Mn % | Si % | S %   | P %   | N %   | CEV % |
|--------|------|------|------|-------|-------|-------|-------|
| 3      | 0.27 | 0.81 | 0.24 | 0.043 | 0.032 | 0.009 | 0.45  |

Note:

1. On behalf of Al Tilal Steel, We verify that the material properties quoted meet the requirements of the stated standard.
2. The materials used for production of billets / rebars are free from Radio Active elements .

### HEAD OF QUALITY CONTROL



ISO 9001:2015  
ISO 14001:2015  
Management  
System  
Valid until:  
13 Apr & 6 Jun 2024  
www.tuv.com  
ID 0000080513



# Modern Technology Laboratories

(Mechanical Testing & Chemical  
Analysis of Rebar)

## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

### Mechanical Test of Steel Products

|                       |                                |                      |            |
|-----------------------|--------------------------------|----------------------|------------|
| <b>Client</b>         | AL-TILAL STEEL COMPANY LIMITED | <b>Date Received</b> | 25-01-2022 |
| <b>Project</b>        | QUALITY TEST                   | <b>Date Tested</b>   | 25-01-2022 |
| <b>Location</b>       | JEDDAH                         | <b>Report Date</b>   | 26-01-2022 |
| <b>Test Method</b>    | ASTM A370                      | <b>Report No.</b>    | 6745-01    |
| <b>Work Order No.</b> | 6745                           | <b>Lab No. (ST)</b>  | 26059      |

|                         |              |                            |                 |    |
|-------------------------|--------------|----------------------------|-----------------|----|
| <b>Sample Condition</b> | SATISFACTORY | <b>Environment of Test</b> | <b>Temp. °C</b> | 23 |
|                         |              |                            | <b>RH %</b>     | 54 |

#### Sample Description: -

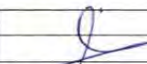
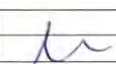
|                             |                                |                          |            |
|-----------------------------|--------------------------------|--------------------------|------------|
| <b>Material Description</b> | 32 mm STEEL REBAR              | <b>Sampling Date</b>     | 25-01-2022 |
| <b>Brand/Source</b>         | AL-TILAL STEEL COMPANY LIMITED | <b>Grade</b>             | 60         |
| <b>Supplier</b>             | AL-TILAL STEEL COMPANY LIMITED | <b>Batch/Packing No.</b> | N/G        |

| Sample No. →                          |                 | ST-26059            |
|---------------------------------------|-----------------|---------------------|
| Brand and Marking                     | -               | 32 mm STEEL REBAR   |
| Bar Designation (nominal size)        | mm              | 32                  |
| Original Gauge Length                 | mm              | 200                 |
| Gauge Length after Fracture           | kg/m            | 234                 |
| Stress Area                           | mm <sup>2</sup> | 804                 |
| Measured Weight per one Meter         | kg/m            | 6.114               |
| Under Nominal Weight per Meter run    | %               | 97                  |
| Load, Ultimate (Failure Tension Load) | kN              | 522.38              |
|                                       | kN              | 428.21              |
| Yield                                 | MPa             | 532.44              |
|                                       | MPa             | 649.53              |
| Stress, Ultimate (Tensile Strength)   | MPa             | 649.53              |
| Elongation                            | %               | 17.00               |
| <b>Type of Failure</b>                |                 | <b>BAR FRACTURE</b> |

#### Standard requirements

|  |              |
|--|--------------|
| Standard                                     | ASTM A615-20 |
| Grade  | 60           |
| Yield Strength, minimum (MPa)                | 420          |
| Tensile strength, minimum (MPa)              | 550          |
| Elongation, minimum (%)                      | 7            |
| Under Nominal Weight per Meter run % minimum | 94           |

|                |                                 |
|----------------|---------------------------------|
| <b>Remarks</b> | SAMPLE COMPLY TO SPECIFICATION. |
|----------------|---------------------------------|

|                  |   |                   |   |                    |  |
|------------------|---|-------------------|---|--------------------|--|
| <b>Tested By</b> |  | <b>Checked By</b> |  | <b>Verified By</b> |  |
| <b>Signature</b> |   | <b>Signature</b>  |   | <b>Signature</b>   |  |

Sample done by MTL.

Results relate only to the sample as received.

MTL management is not responsible about customer sample after 15 days of test date.

The test report shall NOT be reproduced without approval from the MTL management.

The laboratory follows simple acceptance with zero guard band as per ILAC G8.

-----x-----x end of test report x-----x-----



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

**MTL** مخبرات التقنية الحديثة  
MODERN TECHNOLOGY LABORATORIES  
Construction Materials Laboratory & Engineering Services

TM /03/506  
ISSUE 1  
Page1 of 1

### Mechanical Test of Steel Products

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM A370                      | Report No.    | 6745-02    |
| Work Order No. | 6745                           | Lab No. (ST)  | 26060      |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 54 |

#### Sample Description: -




|                      |                                |                   |            |
|----------------------|--------------------------------|-------------------|------------|
| Material Description | 25 mm STEEL REBAR              | Sampling Date     | 25-01-2022 |
| Brand/Source         | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier             | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Sample No. →                          |                 | ST-26060          |
|---------------------------------------|-----------------|-------------------|
| Brand and Marking                     | -               | 25 mm STEEL REBAR |
| Bar Designation (nominal size)        | mm              | 25                |
| Original Gauge Length                 | mm              | 200               |
| Gauge Length after Fracture           | kg/m            | 230               |
| Stress Area                           | mm <sup>2</sup> | 491               |
| Measured Weight per one Meter         | kg/m            | 3.735             |
| Under Nominal Weight per Meter run    | %               | 97                |
| Load, Ultimate (Failure Tension Load) | kN              | 330.92            |
| Yield                                 | kN              | 271.04            |
|                                       | MPa             | 552.16            |
| Stress, Ultimate (Tensile Strength)   | MPa             | 674.14            |
| Elongation                            | %               | 15.00             |
| Type of Failure                       |                 | BAR FRACTURE      |

#### Standard requirements

|  |              |
|--|--------------|
| Standard                                     | ASTM A615-20 |
| Grade  | 60           |
| Yield Strength, minimum (MPa)                | 420          |
| Tensile strength, minimum (MPa)              | 550          |
| Elongation, minimum (%)                      | 8            |
| Under Nominal Weight per Meter run % minimum | 94           |

|         |                                 |
|---------|---------------------------------|
| Remarks | SAMPLE COMPLY TO SPECIFICATION. |
|---------|---------------------------------|

|                        |   |                         |   |                          |   |
|------------------------|---|-------------------------|---|--------------------------|---|
| Tested By<br>Signature |  | Checked By<br>Signature |  | Verified By<br>Signature |  |
|------------------------|---|-------------------------|---|--------------------------|---|

Sample done by MTL.

Results relate only to the sample as received.

MTL management is not responsible about customer sample after 15 days of test date  
The test report shall NOT be reproduced without approval from the MTL management  
The laboratory follows simple acceptance with zero guard band as per ILAC G8.

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Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

مخبرات التقنية الحديثة

ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

هاتف: ٩٦٦-١٢-٢٨٨١٢١٥ + - فاكس: ٩٦٦-١٢-٢٨٨١٣٦٠ +



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

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Construction Materials Laboratory & Engineering Services

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ISSUE 1  
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### Mechanical Test of Steel Products

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM A370                      | Report No.    | 6745-03    |
| Work Order No. | 6745                           | Lab No. (ST)  | 26061      |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 54 |

|                       |                                |                   |            |
|-----------------------|--------------------------------|-------------------|------------|
| Sample Description: - |                                |                   |            |
| Material Description  | 20 mm STEEL REBAR              | Sampling Date     | 25-01-2022 |
| Brand/Source          | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier              | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Sample No. →                          |                 | ST-26061          |
|---------------------------------------|-----------------|-------------------|
| Brand and Marking                     | -               | 20 mm STEEL REBAR |
| Bar Designation (nominal size)        | mm              | 20                |
| Original Gauge Length                 | mm              | 200               |
| Gauge Length after Fracture           | kg/m            | 228               |
| Stress Area                           | mm <sup>2</sup> | 314               |
| Measured Weight per one Meter         | kg/m            | 2.356             |
| Under Nominal Weight per Meter run    | %               | 96                |
| Load, Ultimate (Failure Tension Load) | kN              | 221.68            |
|                                       | kN              | 177.89            |
| Yield                                 | MPa             | 566.24            |
|                                       | MPa             | 705.62            |
| Stress, Ultimate (Tensile Strength)   | MPa             | 705.62            |
| Elongation                            | %               | 14.00             |
| Type of Failure                       |                 | BAR FRACTURE      |

| Standard requirements                        |              |
|--|--------------|
| Standard                                     | ASTM A615-20 |
| Grade  | 60           |
| Yield Strength, minimum (MPa)                | 420          |
| Tensile strength, minimum (MPa)              | 550          |
| Elongation, minimum (%)                      | 9            |
| Under Nominal Weight per Meter run % minimum | 94           |

|         |                                 |
|---------|---------------------------------|
| Remarks | SAMPLE COMPLY TO SPECIFICATION. |
|---------|---------------------------------|

|           |            |             |
|-----------|------------|-------------|
| Tested By | Checked By | Verified By |
| Signature | Signature  | Signature   |

Sample done by MTL.

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---x---x end of test report x---x---



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مختبرات التقنية الحديثة

ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

هاتف: ٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: ٩٦٦-١٢-٢٨٨١٣٦٠ +



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

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Page1 of 1

### Mechanical Test of Steel Products

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM A370                      | Report No.    | 6745-04    |
| Work Order No. | 6745                           | Lab No. (ST)  | 26062      |

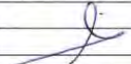


|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 54 |

|                       |                                |                   |            |
|-----------------------|--------------------------------|-------------------|------------|
| Sample Description: - |                                |                   |            |
| Material Description  | 18 mm STEEL REBAR              | Sampling Date     | 25-01-2022 |
| Brand/Source          | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier              | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

|                                       |                 |                   |
|---------------------------------------|-----------------|-------------------|
| Sample No. →                          |                 | ST-26062          |
| Brand and Marking                     | -               | 18 mm STEEL REBAR |
| Bar Designation (nominal size)        | mm              | 18                |
| Original Gauge Length                 | mm              | 200               |
| Gauge Length after Fracture           | kg/m            | 228               |
| Stress Area                           | mm <sup>2</sup> | 254               |
| Measured Weight per one Meter         | kg/m            | 1.867             |
| Under Nominal Weight per Meter run    | %               | 96                |
| Load, Ultimate (Failure Tension Load) | kN              | 177.09            |
|                                       | kN              | 148.19            |
| Yield                                 | MPa             | 582.35            |
|                                       | MPa             | 695.94            |
| Stress, Ultimate (Tensile Strength)   | MPa             | 695.94            |
| Elongation                            | %               | 14.00             |
| Type of Failure                       |                 | BAR FRACTURE      |

|  |              |
|--|--------------|
| Standard requirements                        |              |
| Standard                                     | ASTM A615-20 |
| Grade  | 60           |
| Yield Strength, minimum (MPa)                | 420          |
| Tensile strength, minimum (MPa)              | 550          |
| Elongation, minimum (%)                      | 9            |
| Under Nominal Weight per Meter run % minimum | 94           |

|         |                                 |
|---------|---------------------------------|
| Remarks | SAMPLE COMPLY TO SPECIFICATION. |
|---------|---------------------------------|

|           |   |            |   |             |   |
|-----------|---|------------|---|-------------|---|
| Tested By |  | Checked By |  | Verified By |  |
| Signature |   | Signature  |   | Signature   |   |

- Sample done by MTL.  
 Results relate only to the sample as received.

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-----x-----x end of test report x-----x-----



Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tele:00966-12-2881215 - Fax:00966-12-2881360

مخبرات التقنية الحديثة

ص.ب. ٤٨٦٩ جدة ٢١٤١٢

هاتف: +٩٦٦-١٢-٢٨٨١٣١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

### Mechanical Test of Steel Products

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM A370                      | Report No.    | 6745-05    |
| Work Order No. | 6745                           | Lab No. (ST)  | 26063      |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 54 |

#### Sample Description: -

|                      |                                |                   |            |
|----------------------|--------------------------------|-------------------|------------|
| Material Description | 16 mm STEEL REBAR              | Sampling Date     | 25-01-2022 |
| Brand/Source         | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier             | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Sample No. →                          |                 | ST-26063          |
|---------------------------------------|-----------------|-------------------|
| Brand and Marking                     | -               | 16 mm STEEL REBAR |
| Bar Designation (nominal size)        | mm              | 16                |
| Original Gauge Length                 | mm              | 200               |
| Gauge Length after Fracture           | kg/m            | 226               |
| Stress Area                           | mm <sup>2</sup> | 201               |
| Measured Weight per one Meter         | kg/m            | 1.518             |
| Under Nominal Weight per Meter run    | %               | 96                |
| Load, Ultimate (Failure Tension Load) | kN              | 147.74            |
|                                       | kN              | 127.00            |
| Yield                                 | MPa             | 631.64            |
|                                       | MPa             | 734.80            |
| Stress, Ultimate (Tensile Strength)   | MPa             | 734.80            |
| Elongation                            | %               | 13.00             |
| Type of Failure                       |                 | BAR FRACTURE      |

#### Standard requirements

|  |              |
|--|--------------|
| Standard                                     | ASTM A615-20 |
| Grade  | 60           |
| Yield Strength, minimum (MPa)                | 420          |
| Tensile strength, minimum (MPa)              | 550          |
| Elongation, minimum (%)                      | 9            |
| Under Nominal Weight per Meter run % minimum | 94           |

|         |                                 |
|---------|---------------------------------|
| Remarks | SAMPLE COMPLY TO SPECIFICATION. |
|---------|---------------------------------|

|           |            |             |
|-----------|------------|-------------|
| Tested By | Checked By | Verified By |
| Signature | Signature  | Signature   |

Sample done by MTL.

Results relate only to the sample as received.

MTL management is not responsible about customer sample after 15 days of test date  
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-----x-----x end of test report x-----x-----



Modern Technology Laboratories

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Tel:00966-12-2881215 - Fax:00966-12-2881360

مخبرات التقنية الحديثة

ص.ب. ٤٨٦٩ جدة ٢١٤١٢

هاتف: +٩٦٦-١٢-٢٨٨١٣١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

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ISSUE 1  
Page1 of 1

### Mechanical Test of Steel Products

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM A370                      | Report No.    | 6745-06    |
| Work Order No. | 6745                           | Lab No. (ST)  | 26064      |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 54 |

|                       |                                |                   |            |
|-----------------------|--------------------------------|-------------------|------------|
| Sample Description: - |                                |                   |            |
| Material Description  | 14 mm STEEL REBAR              | Sampling Date     | 25-01-2022 |
| Brand/Source          | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier              | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Sample No. →                          |                 | ST-26064          |
|---------------------------------------|-----------------|-------------------|
| Brand and Marking                     | -               | 14 mm STEEL REBAR |
| Bar Designation (nominal size)        | mm              | 14                |
| Original Gauge Length                 | mm              | 200               |
| Gauge Length after Fracture           | kg/m            | 225               |
| Stress Area                           | mm <sup>2</sup> | 154               |
| Measured Weight per one Meter         | kg/m            | 1.206             |
| Under Nominal Weight per Meter run    | %               | 97                |
| Load, Ultimate (Failure Tension Load) | kN              | 108.11            |
| Yield                                 | kN              | 93.49             |
|                                       | MPa             | 607.32            |
| Stress, Ultimate (Tensile Strength)   | MPa             | 702.33            |
| Elongation                            | %               | 12.50             |
| Type of Failure                       |                 | BAR FRACTURE      |

| Standard requirements                        |              |
|--|--------------|
| Standard                                     | ASTM A615-20 |
| Grade  | 60           |
| Yield Strength, minimum (MPa)                | 420          |
| Tensile strength, minimum (MPa)              | 550          |
| Elongation, minimum (%)                      | 9            |
| Under Nominal Weight per Meter run % minimum | 94           |

|         |                                 |
|---------|---------------------------------|
| Remarks | SAMPLE COMPLY TO SPECIFICATION. |
|---------|---------------------------------|

|                        |                         |                          |
|------------------------|-------------------------|--------------------------|
| Tested By<br>Signature | Checked By<br>Signature | Verified By<br>Signature |
|------------------------|-------------------------|--------------------------|

Sample done by MTL.

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The laboratory follows simple acceptance with zero guard band as per ILAC G8.

-----x-----x end of test report x-----x-----



Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

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ص.ب. ٤٨٦٩ جدة ٢١٤١٢

هاتف: +٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠





## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

**MTL** مختبرات التقنية الحديثة  
MODERN TECHNOLOGY LABORATORIES  
Construction Materials Laboratory & Engineering Services

TM /03/506  
ISSUE 1  
Page1 of 1

### Mechanical Test of Steel Products

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM A370                      | Report No.    | 6745-07    |
| Work Order No. | 6745                           | Lab No. (ST)  | 26065      |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 54 |

|                       |                                |                   |            |
|-----------------------|--------------------------------|-------------------|------------|
| Sample Description: - |                                |                   |            |
| Material Description  | 12 mm STEEL REBAR              | Sampling Date     | 25-01-2022 |
| Brand/Source          | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier              | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Sample No. →                          |                 | ST-26065          |
|---------------------------------------|-----------------|-------------------|
| Brand and Marking                     | -               | 12 mm STEEL REBAR |
| Bar Designation (nominal size)        | mm              | 12                |
| Original Gauge Length                 | mm              | 200               |
| Gauge Length after Fracture           | kg/m            | 222               |
| Stress Area                           | mm <sup>2</sup> | 113               |
| Measured Weight per one Meter         | kg/m            | 0.850             |
| Under Nominal Weight per Meter run    | %               | 96                |
| Load, Ultimate (Failure Tension Load) | kN              | 77.85             |
| Yield                                 | kN              | 67.82             |
|                                       | MPa             | 599.65            |
| Stress, Ultimate (Tensile Strength)   | MPa             | 688.33            |
| Elongation                            | %               | 11.00             |
| Type of Failure                       |                 | BAR FRACTURE      |

| Standard requirements                        |              |
|--|--------------|
| Standard                                     | ASTM A615-20 |
| Grade  | 60           |
| Yield Strength, minimum (MPa)                | 420          |
| Tensile strength, minimum (MPa)              | 550          |
| Elongation, minimum (%)                      | 9            |
| Under Nominal Weight per Meter run % minimum | 94           |

|         |                                 |
|---------|---------------------------------|
| Remarks | SAMPLE COMPLY TO SPECIFICATION. |
|---------|---------------------------------|

|           |            |             |
|-----------|------------|-------------|
| Tested By | Checked By | Verified By |
| Signature | Signature  | Signature   |

Sample done by MTL.

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Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

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MODERN TECHNOLOGY LABORATORIES  
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TM /03/506  
ISSUE 1  
Page1 of 1

### Mechanical Test of Steel Products

|                       |                                |                      |            |
|-----------------------|--------------------------------|----------------------|------------|
| <b>Client</b>         | AL-TILAL STEEL COMPANY LIMITED | <b>Date Received</b> | 25-01-2022 |
| <b>Project</b>        | QUALITY TEST                   | <b>Date Tested</b>   | 25-01-2022 |
| <b>Location</b>       | JEDDAH                         | <b>Report Date</b>   | 26-01-2022 |
| <b>Test Method</b>    | ASTM A370                      | <b>Report No.</b>    | 6745-08    |
| <b>Work Order No.</b> | 6745                           | <b>Lab No. (ST)</b>  | 26066      |

|                         |              |                            |                 |    |
|-------------------------|--------------|----------------------------|-----------------|----|
| <b>Sample Condition</b> | SATISFACTORY | <b>Environment of Test</b> | <b>Temp. °C</b> | 23 |
|                         |              |                            | <b>RH %</b>     | 54 |

|                              |                                |                          |            |
|------------------------------|--------------------------------|--------------------------|------------|
| <b>Sample Description: -</b> |                                |                          |            |
| <b>Material Description</b>  | 10 mm STEEL REBAR              | <b>Sampling Date</b>     | 25-01-2022 |
| <b>Brand/Source</b>          | AL-TILAL STEEL COMPANY LIMITED | <b>Grade</b>             | 60         |
| <b>Supplier</b>              | AL-TILAL STEEL COMPANY LIMITED | <b>Batch/Packing No.</b> | N/G        |

|  |                 |                          |
|--|-----------------|--------------------------|
| <b>Sample No. →</b>                          |                 | ST-26066                 |
| <b>Brand and Marking</b>                     | -               | <b>10 mm STEEL REBAR</b> |
| <b>Bar Designation (nominal size)</b>        | mm              | 10                       |
| <b>Original Gauge Length</b>                 | mm              | 200                      |
| <b>Gauge Length after Fracture</b>           | kg/m            | 220                      |
| <b>Stress Area</b>                           | mm <sup>2</sup> | 79                       |
| <b>Measured Weight per one Meter</b>         | kg/m            | 0.600                    |
| <b>Under Nominal Weight per Meter run</b>    | %               | 97                       |
| <b>Load, Ultimate (Failure Tension Load)</b> | kN              | 56.10                    |
| <b>Yield</b>                                 | kN              | 49.13                    |
|  | MPa             | 625.60                   |
| <b>Stress, Ultimate (Tensile Strength)</b>   | MPa             | 714.23                   |
| <b>Elongation</b>                            | %               | 10.00                    |
| <b>Type of Failure</b>                       |                 | <b>BAR FRACTURE</b>      |

|  |              |
|--|--------------|
| <b>Standard requirements</b>                 |              |
| Standard                                     | ASTM A615-20 |
| Grade  | 60           |
| Yield Strength, minimum (MPa)                | 420          |
| Tensile strength, minimum (MPa)              | 550          |
| Elongation, minimum (%)                      | 9            |
| Under Nominal Weight per Meter run % minimum | 94           |

|                |                                 |
|----------------|---------------------------------|
| <b>Remarks</b> | SAMPLE COMPLY TO SPECIFICATION. |
|----------------|---------------------------------|

|                  |  |                   |  |                    |  |
|------------------|--|-------------------|--|--------------------|--|
| <b>Tested By</b> |  | <b>Checked By</b> |  | <b>Verified By</b> |  |
| <b>Signature</b> |  | <b>Signature</b>  |  | <b>Signature</b>   |  |

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Modern Technology Laboratories  
P.O Box: 4869 Jeddah 21412  
Tel:00966-12-2881215 - Fax:00966-12-2881360

مختبرات التقنية الحديثة  
ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

هاتف: +٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing



TM /03/201  
ISSUE 1  
Page1 of 1

### Report of Chemical Analysis of Carbon Steel, Low-Alloy Steel Using Spectrolab Machine ASTM E415

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM E415                      | Report No.    | 6745-09    |
| Work Order No. | 6745                           | Lab No. (ST)  | 674509     |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 24 |

|                       |                                |                   |            |
|-----------------------|--------------------------------|-------------------|------------|
| Sample Description: - |                                |                   |            |
| Material Description  | STEEL REBAR 32MM               | Sampling Date     | 25-01-2022 |
| Brand/Source          | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier              | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Name of Elements | Symbol | Test Result (% Average) | Name of Elements | Symbol | Test Result (% Average) |
|------------------|--------|-------------------------|------------------|--------|-------------------------|
| Carbon           | C      | 0.23                    | Tungsten         | W      | 0.007                   |
| Silicon          | Si     | 0.21                    | Lead             | Pb     | 0.016                   |
| Manganese        | Mn     | 0.62                    | Tin              | Sn     | 0.016                   |
| Phosphorus       | P      | 0.046                   | Oxygen           | O      | <-0.022                 |
| Sulfur           | S      | 0.042                   | Calcium          | Ca     | 0.0002                  |
| Chromium         | Cr     | 0.10                    | Antimony         | Sb     | 0.009                   |
| Molybdenum       | Mo     | 0.011                   | Boron            | B      | 0.003                   |
| Nickel           | Ni     | 0.065                   | Nitrogen         | N      | 0.022                   |
| Aluminum         | Al     | <0.0005                 | Iron             | Fe     | 98.3                    |
| Copper           | Cu     | 0.26                    | Cobalt           | Co     | 0.007                   |
| Niobium          | Nb     | 0.001                   | Vanadium         | V      | 0.004                   |
| Titanium         | Ti     | 0.002                   | Cerium           | Ce     | 0.001                   |
| Zirconium        | Zr     | 0.0006                  | Bismuth          | Bi     | 0.003                   |
| Silver           | Ag     | 0.0004                  | Zinc             | Zn     | >-0.060                 |

|         |   |
|---------|---|
| Remarks | SAMPLE CONFORMS TO STANDARD SPECIFICATIONS. |
|---------|---|

|           |            |             |
|-----------|------------|-------------|
| Tested By | Checked By | Verified By |
| Signature | Signature  | Signature   |

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Modern Technology Laboratories

P,O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

مختبرات التقنية الحديثة

ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

هاتف: +٩٦٦-١٢-٢٨٨١٣١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠



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Page1 of 1

### Report of Chemical Analysis of Carbon Steel, Low-Alloy Steel Using Spectrolab Machine ASTM E415

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM E415                      | Report No.    | 6745-10    |
| Work Order No. | 6745                           | Lab No. (ST)  | 674510     |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 24 |

|                       |                                |                   |            |
|-----------------------|--------------------------------|-------------------|------------|
| Sample Description: - |                                |                   |            |
| Material Description  | STEEL REBAR 25MM               | Sampling Date     | 25-01-2022 |
| Brand/Source          | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier              | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Name of Elements | Symbol | Test Result (% Average) | Name of Elements | Symbol | Test Result (% Average) |
|------------------|--------|-------------------------|------------------|--------|-------------------------|
| Carbon           | C      | 0.22                    | Tungsten         | W      | 0.006                   |
| Silicon          | Si     | 0.22                    | Lead             | Pb     | 0.001                   |
| Manganese        | Mn     | 0.83                    | Tin              | Sn     | 0.013                   |
| Phosphorus       | P      | 0.036                   | Oxygen           | O      | <-0.030                 |
| Sulfur           | S      | 0.029                   | Calcium          | Ca     | <-0.0001                |
| Chromium         | Cr     | 0.12                    | Antimony         | Sb     | 0.006                   |
| Molybdenum       | Mo     | 0.010                   | Boron            | B      | 0.001                   |
| Nickel           | Ni     | 0.058                   | Nitrogen         | N      | 0.018                   |
| Aluminum         | Al     | <0.0005                 | Iron             | Fe     | 98.3                    |
| Copper           | Cu     | 0.19                    | Cobalt           | Co     | 0.008                   |
| Niobium          | Nb     | 0.002                   | Vanadium         | V      | 0.004                   |
| Titanium         | Ti     | 0.001                   | Cerium           | Ce     | 0.001                   |
| Zirconium        | Zr     | 0.0003                  | Bismuth          | Bi     | 0.003                   |
| Silver           | Ag     | 0.0005                  | Zinc             | Zn     | >0.042                  |

Remarks: SAMPLE CONFORMS TO STANDARD SPECIFICATIONS.

|                        |  |                         |  |                          |  |
|------------------------|--|-------------------------|--|--------------------------|--|
| Tested By<br>Signature |  | Checked By<br>Signature |  | Verified By<br>Signature |  |
|------------------------|--|-------------------------|--|--------------------------|--|

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-----x end of test report x-----



Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

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ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

هاتف: +٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing



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### Report of Chemical Analysis of Carbon Steel, Low-Alloy Steel Using Spectrolab Machine ASTM E415

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM E415                      | Report No.    | 6745-11    |
| Work Order No. | 6745                           | Lab No. (ST)  | 674511     |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 24 |

#### Sample Description: -

|                      |                                |                   |            |
|----------------------|--------------------------------|-------------------|------------|
| Material Description | STEEL REBAR 20MM               | Sampling Date     | 25-01-2022 |
| Brand/Source         | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier             | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Name of Elements | Symbol | Test Result (% Average) | Name of Elements | Symbol | Test Result (% Average) |
|------------------|--------|-------------------------|------------------|--------|-------------------------|
| Carbon           | C      | 0.24                    | Tungsten         | W      | 0.030                   |
| Silicon          | Si     | 0.23                    | Lead             | Pb     | 0.004                   |
| Manganese        | Mn     | 0.69                    | Tin              | Sn     | 0.021                   |
| Phosphorus       | P      | 0.042                   | Oxygen           | O      | <-0.034                 |
| Sulfur           | S      | 0.032                   | Calcium          | Ca     | 0.0008                  |
| Chromium         | Cr     | 0.14                    | Antimony         | Sb     | 0.007                   |
| Molybdenum       | Mo     | 0.015                   | Boron            | B      | 0.001                   |
| Nickel           | Ni     | 0.081                   | Nitrogen         | N      | 0.014                   |
| Aluminum         | Al     | <0.0005                 | Iron             | Fe     | 98.2                    |
| Copper           | Cu     | 0.26                    | Cobalt           | Co     | 0.009                   |
| Niobium          | Nb     | 0.001                   | Vanadium         | V      | 0.030                   |
| Titanium         | Ti     | 0.001                   | Cerium           | Ce     | 0.001                   |
| Zirconium        | Zr     | 0.0005                  | Bismuth          | Bi     | 0.003                   |
| Silver           | Ag     | 0.0003                  | Zinc             | Zn     | >0.037                  |

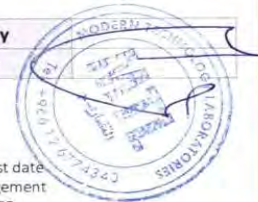
|         |   |
|---------|---|
| Remarks | SAMPLE CONFORMS TO STANDARD SPECIFICATIONS. |
|---------|---|

|           |            |             |
|-----------|------------|-------------|
| Tested By | Checked By | Verified By |
| Signature | Signature  | Signature   |

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Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

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ص.ب. ٤٨٦٩ جدة، فاكس: ٩٦٦-١٢-٢٨٨١٣٦٠

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TM /03/201  
ISSUE 1  
Page1 of 1

### Report of Chemical Analysis of Carbon Steel, Low-Alloy Steel Using Spectrolab Machine ASTM E415

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM E415                      | Report No.    | 6745-12    |
| Work Order No. | 6745                           | Lab No. (ST)  | 674512     |




|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 24 |

#### Sample Description: -

|                      |                                |                   |            |
|----------------------|--------------------------------|-------------------|------------|
| Material Description | STEEL REBAR 18MM               | Sampling Date     | 25-01-2022 |
| Brand/Source         | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier             | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Name of Elements | Symbol | Test Result (% Average) | Name of Elements | Symbol | Test Result (% Average) |
|------------------|--------|-------------------------|------------------|--------|-------------------------|
| Carbon           | C      | 0.23                    | Tungsten         | W      | 0.040                   |
| Silicon          | Si     | 0.24                    | Lead             | Pb     | 0.004                   |
| Manganese        | Mn     | 0.73                    | Tin              | Sn     | 0.020                   |
| Phosphorus       | P      | 0.037                   | Oxygen           | O      | <-0.034                 |
| Sulfur           | S      | 0.042                   | Calcium          | Ca     | <0.0000                 |
| Chromium         | Cr     | 0.14                    | Antimony         | Sb     | 0.006                   |
| Molybdenum       | Mo     | 0.012                   | Boron            | B      | 0.002                   |
| Nickel           | Ni     | 0.066                   | Nitrogen         | N      | 0.013                   |
| Aluminum         | Al     | <0.0005                 | Iron             | Fe     | 98.2                    |
| Copper           | Cu     | 0.26                    | Cobalt           | Co     | 0.011                   |
| Niobium          | Nb     | 0.001                   | Vanadium         | V      | 0.003                   |
| Titanium         | Ti     | 0.001                   | Cerium           | Ce     | 0.0009                  |
| Zirconium        | Zr     | 0.0004                  | Bismuth          | Bi     | 0.002                   |
| Silver           | Ag     | 0.0003                  | Zinc             | Zn     | >0.042                  |

|         |   |
|---------|---|
| Remarks | SAMPLE CONFORMS TO STANDARD SPECIFICATIONS. |
|---------|---|

|                        |   |                         |   |                          |   |
|------------------------|---|-------------------------|---|--------------------------|---|
| Tested By<br>Signature |  | Checked By<br>Signature |  | Verified By<br>Signature |  |
|------------------------|---|-------------------------|---|--------------------------|---|

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-----x-----x end of test report x-----x-----

Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

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ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

هاتف: +٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing



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### Report of Chemical Analysis of Carbon Steel, Low-Alloy Steel Using Spectrolab Machine ASTM E415

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM E415                      | Report No.    | 6745-13    |
| Work Order No. | 6745                           | Lab No. (ST)  | 674513     |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 24 |

#### Sample Description: -

|                      |                                |                   |            |
|----------------------|--------------------------------|-------------------|------------|
| Material Description | STEEL REBAR 16MM               | Sampling Date     | 25-01-2022 |
| Brand/Source         | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier             | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Name of Elements | Symbol | Test Result (% Average) | Name of Elements | Symbol | Test Result (% Average) |
|------------------|--------|-------------------------|------------------|--------|-------------------------|
| Carbon           | C      | 0.26                    | Tungsten         | W      | 0.004                   |
| Silicon          | Si     | 0.26                    | Lead             | Pb     | 0.15                    |
| Manganese        | Mn     | 0.81                    | Tin              | Sn     | 0.013                   |
| Phosphorus       | P      | 0.031                   | Oxygen           | O      | <0.036                  |
| Sulfur           | S      | 0.032                   | Calcium          | Ca     | 0.0004                  |
| Chromium         | Cr     | 0.12                    | Antimony         | Sb     | 0.005                   |
| Molybdenum       | Mo     | 0.010                   | Boron            | B      | 0.001                   |
| Nickel           | Ni     | 0.062                   | Nitrogen         | N      | 0.015                   |
| Aluminum         | Al     | <0.0005                 | Iron             | Fe     | 98.1                    |
| Copper           | Cu     | 0.23                    | Cobalt           | Co     | 0.008                   |
| Niobium          | Nb     | 0.001                   | Vanadium         | V      | 0.003                   |
| Titanium         | Ti     | 0.002                   | Cerium           | Ce     | 0.0008                  |
| Zirconium        | Zr     | 0.0003                  | Bismuth          | Bi     | 0.002                   |
| Silver           | Ag     | 0.0002                  | Zinc             | Zn     | >0.071                  |

Remarks: SAMPLE CONFORMS TO STANDARD SPECIFICATIONS.

|           |            |             |
|-----------|------------|-------------|
| Tested By | Checked By | Verified By |
| Signature | Signature  | Signature   |

- Sample done by MTL.  
 Results relate only to the sample as received.

MTL management is not responsible about customer sample after 15 days of test date  
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The laboratory follows sample acceptance with zero guard band as per ILAC G8.

-----x-----x end of test report x-----x-----



Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

مختبرات التقنية الحديثة

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هاتف: ٩٦٦-١٢-٢٨٨١٢١٥ + - فاكس: ٩٦٦-١٢-٢٨٨١٣٦٠



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

**MTL** مختبرات التقنية الحديثة  
MODERN TECHNOLOGY LABORATORIES  
Construction Materials Laboratory & Engineering Services

TM /03/201  
ISSUE 1  
Page1 of 1

### Report of Chemical Analysis of Carbon Steel, Low-Alloy Steel Using Spectrolab Machine ASTM E415

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM E415                      | Report No.    | 6745-14    |
| Work Order No. | 6745                           | Lab No. (ST)  | 674514     |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 24 |

#### Sample Description: -

|                      |                                |                   |            |
|----------------------|--------------------------------|-------------------|------------|
| Material Description | STEEL REBAR 14MM               | Sampling Date     | 25-01-2022 |
| Brand/Source         | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier             | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Name of Elements | Symbol | Test Result (% Average) | Name of Elements | Symbol | Test Result (% Average) |
|------------------|--------|-------------------------|------------------|--------|-------------------------|
| Carbon           | C      | 0.24                    | Tungsten         | W      | 0.005                   |
| Silicon          | Si     | 0.25                    | Lead             | Pb     | 0.004                   |
| Manganese        | Mn     | 0.76                    | Tin              | Sn     | 0.014                   |
| Phosphorus       | P      | 0.030                   | Oxygen           | O      | <0.028                  |
| Sulfur           | S      | 0.034                   | Calcium          | Ca     | 0.0001                  |
| Chromium         | Cr     | 0.099                   | Antimony         | Sb     | 0.006                   |
| Molybdenum       | Mo     | .011                    | Boron            | B      | 0.001                   |
| Nickel           | Ni     | 0.060                   | Nitrogen         | N      | 0.012                   |
| Aluminum         | Al     | <0.0005                 | Iron             | Fe     | 98.3                    |
| Copper           | Cu     | 0.22                    | Cobalt           | Co     | 0.008                   |
| Niobium          | Nb     | 0.001                   | Vanadium         | V      | 0.003                   |
| Titanium         | Ti     | 0.001                   | Cerium           | Ce     | 0.001                   |
| Zirconium        | Zr     | 0.0004                  | Bismuth          | Bi     | 0.003                   |
| Silver           | Ag     | 0.0003                  | Zinc             | Zn     | >0.036                  |

|         |   |
|---------|---|
| Remarks | SAMPLE CONFORMS TO STANDARD SPECIFICATIONS. |
|---------|---|

|                        |   |                         |   |                          |   |
|------------------------|---|-------------------------|---|--------------------------|---|
| Tested By<br>Signature |  | Checked By<br>Signature |  | Verified By<br>Signature |  |
|------------------------|---|-------------------------|---|--------------------------|---|

- Sample done by MTL.  
 Results relate only to the sample as received.

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The laboratory follows sample acceptance with zero guard band as per ILAC G8.

-----x-----x end of test report x-----x-----



Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

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## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing



TM /03/201  
ISSUE 1  
Page1 of 1

### Report of Chemical Analysis of Carbon Steel, Low-Alloy Steel Using Spectrolab Machine ASTM E415

|                       |                                |                      |            |
|-----------------------|--------------------------------|----------------------|------------|
| <b>Client</b>         | AL-TILAL STEEL COMPANY LIMITED | <b>Date Received</b> | 25-01-2022 |
| <b>Project</b>        | QUALITY TEST                   | <b>Date Tested</b>   | 25-01-2022 |
| <b>Location</b>       | JEDDAH                         | <b>Report Date</b>   | 26-01-2022 |
| <b>Test Method</b>    | ASTM E415                      | <b>Report No.</b>    | 6745-15    |
| <b>Work Order No.</b> | 6745                           | <b>Lab No. (ST)</b>  | 674515     |

|                         |              |                            |                 |    |
|-------------------------|--------------|----------------------------|-----------------|----|
| <b>Sample Condition</b> | SATISFACTORY | <b>Environment of Test</b> | <b>Temp. °C</b> | 23 |
|                         |              |                            | <b>RH %</b>     | 24 |

**Sample Description: -**

|                             |                                |                          |            |
|-----------------------------|--------------------------------|--------------------------|------------|
| <b>Material Description</b> | STEEL REBAR 12MM               | <b>Sampling Date</b>     | 25-01-2022 |
| <b>Brand/Source</b>         | AL-TILAL STEEL COMPANY LIMITED | <b>Grade</b>             | 60         |
| <b>Supplier</b>             | AL-TILAL STEEL COMPANY LIMITED | <b>Batch/Packing No.</b> | N/G        |

| Name of Elements | Symbol | Test Result (% Average) | Name of Elements | Symbol | Test Result (% Average) |
|------------------|--------|-------------------------|------------------|--------|-------------------------|
| Carbon           | C      | 0.23                    | Tungsten         | W      | 0.008                   |
| Silicon          | Si     | 0.26                    | Lead             | Pb     | 0.002                   |
| Manganese        | Mn     | 0.77                    | Tin              | Sn     | 0.012                   |
| Phosphorus       | P      | 0.035                   | Oxygen           | O      | <-0.022                 |
| Sulfur           | S      | 0.035                   | Calcium          | Ca     | 0.0007                  |
| Chromium         | Cr     | 0.10                    | Antimony         | Sb     | 0.008                   |
| Molybdenum       | Mo     | 0.012                   | Boron            | B      | 0.001                   |
| Nickel           | Ni     | 0.056                   | Nitrogen         | N      | 0.011                   |
| Aluminum         | Al     | <0.0005                 | Iron             | Fe     | 98.2                    |
| Copper           | Cu     | 0.19                    | Cobalt           | Co     | 0.007                   |
| Niobium          | Nb     | 0.001                   | Vanadium         | V      | 0.003                   |
| Titanium         | Ti     | 0.002                   | Cerium           | Ce     | 0.001                   |
| Zirconium        | Zr     | 0.0004                  | Bismuth          | Bi     | 0.004                   |
| Silver           | Ag     | 0.0003                  | Zinc             | Zn     | >0.081                  |

|                |   |
|----------------|---|
| <b>Remarks</b> | SAMPLE CONFORMS TO STANDARD SPECIFICATIONS. |
|----------------|---|

|                  |                   |                    |
|------------------|-------------------|--------------------|
| <b>Tested By</b> | <b>Checked By</b> | <b>Verified By</b> |
| Signature        | Signature         | Signature          |

- Sample done by MTL.  
 Results relate only to the sample as received.

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-----x-----x end of test report x-----x-----



Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

مختبرات التقنية الحديثة

ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

هاتف: +٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing



TM /03/201  
ISSUE 1  
Page1 of 1

### Report of Chemical Analysis of Carbon Steel, Low-Alloy Steel Using Spectrolab Machine ASTM E415

|                |                                |               |            |
|----------------|--------------------------------|---------------|------------|
| Client         | AL-TILAL STEEL COMPANY LIMITED | Date Received | 25-01-2022 |
| Project        | QUALITY TEST                   | Date Tested   | 25-01-2022 |
| Location       | JEDDAH                         | Report Date   | 26-01-2022 |
| Test Method    | ASTM E415                      | Report No.    | 6745-16    |
| Work Order No. | 6745                           | Lab No. (ST)  | 674516     |

|                  |              |                     |          |    |
|------------------|--------------|---------------------|----------|----|
| Sample Condition | SATISFACTORY | Environment of Test | Temp. °C | 23 |
|                  |              |                     | RH %     | 24 |

#### Sample Description: -

|                      |                                |                   |            |
|----------------------|--------------------------------|-------------------|------------|
| Material Description | STEEL REBAR 10MM               | Sampling Date     | 25-01-2022 |
| Brand/Source         | AL-TILAL STEEL COMPANY LIMITED | Grade             | 60         |
| Supplier             | AL-TILAL STEEL COMPANY LIMITED | Batch/Packing No. | N/G        |

| Name of Elements | Symbol | Test Result (% Average) | Name of Elements | Symbol | Test Result (% Average) |
|------------------|--------|-------------------------|------------------|--------|-------------------------|
| Carbon           | C      | 0.24                    | Tungsten         | W      | 0.006                   |
| Silicon          | Si     | 0.27                    | Lead             | Pb     | 0.001                   |
| Manganese        | Mn     | 0.79                    | Tin              | Sn     | 0.017                   |
| Phosphorus       | P      | 0.034                   | Oxygen           | O      | <-0.027                 |
| Sulfur           | S      | 0.041                   | Calcium          | Ca     | 0.0002                  |
| Chromium         | Cr     | 0.13                    | Antimony         | Sb     | 0.006                   |
| Molybdenum       | Mo     | 0.013                   | Boron            | B      | 0.001                   |
| Nickel           | Ni     | 0.060                   | Nitrogen         | N      | 0.023                   |
| Aluminum         | Al     | <0.0005                 | Iron             | Fe     | 98.2                    |
| Copper           | Cu     | 0.21                    | Cobalt           | Co     | 0.007                   |
| Niobium          | Nb     | 0.002                   | Vanadium         | V      | 0.004                   |
| Titanium         | Ti     | 0.002                   | Cerium           | Ce     | 0.001                   |
| Zirconium        | Zr     | 0.0004                  | Bismuth          | Bi     | 0.003                   |
| Silver           | Ag     | 0.0003                  | Zinc             | Zn     | >0.045                  |

|         |   |
|---------|---|
| Remarks | SAMPLE CONFORMS TO STANDARD SPECIFICATIONS. |
|---------|---|

|                        |  |                         |  |                          |  |
|------------------------|--|-------------------------|--|--------------------------|--|
| Tested By<br>Signature |  | Checked By<br>Signature |  | Verified By<br>Signature |  |
|------------------------|--|-------------------------|--|--------------------------|--|

- Sample done by MTL.  
 Results relate only to the sample as received.

MTL management is not responsible about customer sample after 15 days of test date  
The test report shall NOT be reproduced without approval from the MTL management  
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-----x-----x end of test report x-----x-----



Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

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هاتف: ٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: ٩٦٦-١٢-٢٨٨١٣٦٠ +



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing



Page 1 of 1

### Mechanical Test of Steel Products

|               |                                |             |            |
|---------------|--------------------------------|-------------|------------|
| Client        | AL-TILAL STEEL COMPANY LIMITED | Work Order  | 6745       |
| Project       | QUALITY TEST                   | Report No.  | 6745-17    |
| Test Method   | ASTM A615/A615M -09b           | Lab No.     | 6744517    |
| Test Date     | 25-01-2022                     | Report Date | 26/01/2022 |
| Received Date | 25/01/2022                     | Grade       | 60         |

#### Description of Sample, and Definition of test Method:

This test method describes the bending test of Steel bar, The bend-test specimen shall withstand being bent around a pin without cracking on the outside radius of the bent. The bend test shall be made on specimens of sufficient length to ensure free bending and with apparatus which provides ,Continuous and uniform application of force throughout the duration of the bending operation. Unrestricted movement of the specimen at point of contact with the apparatus and bending around a pin free to rotate close wrapping of the specimen around the pin during the bending operation.

#### SAMPLE DESCRIPTION

|            |        |
|------------|--------|
| Brand Name | N/G    |
| Diameter   | 32 mm  |
| Sampled By | CLIENT |

#### TESTING MACHINE

|            |               |
|------------|---------------|
| Brand Name | WALTER+BAI AG |
| Type       | SBM           |

#### TEST RESULTS

|               |                 |
|---------------|-----------------|
| After Bending | NO CRACKS SHOWN |
|---------------|-----------------|

#### Remarks

|         |  |
|---------|--|
| Remarks |  |
|---------|--|

|                        |  |                         |  |                          |  |
|------------------------|--|-------------------------|--|--------------------------|--|
| Tested by<br>Signature |  | Checked by<br>Signature |  | Verified by<br>Signature |  |
|------------------------|--|-------------------------|--|--------------------------|--|



- Sample done by MTL
- Results relate only to the sample as received

MTL management is not responsible about customer sample after 15 days of test date  
The test report shall NOT be reproduced without approval from the MTL management  
-----x-----x end of test report x-----x-----

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ص.ب ٤٨٦٩ جدة، ٢١٤١٢

Tel:00966-12-2881215 - Fax:00966-12-2881360

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## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing



Page 1 of 1

### Mechanical Test of Steel Products

|               |                                |             |            |
|---------------|--------------------------------|-------------|------------|
| Client        | AL-TILAL STEEL COMPANY LIMITED | Work Order  | 6745       |
| Project       | QUALITY TEST                   | Report No.  | 6745-18    |
| Test Method   | ASTM A615/A615M -09b           | Lab No.     | 6744518    |
| Test Date     | 25-01-2022                     | Report Date | 26/01/2022 |
| Received Date | 25/01/2022                     | Grade       | 60         |

#### Description of Sample, and Definition of test Method:

This test method describes the bending test of Steel bar, The bend-test specimen shall withstand being bent around a pin without cracking on the outside radius of the bent. The bend test shall be made on specimens of sufficient length to ensure free bending and with apparatus which provides ,Continuous and uniform application of force throughout the duration of the bending operation. Unrestricted movement of the specimen at point of contact with the apparatus and bending around a pin free to rotate close wrapping of the specimen around the pin during the bending operation.

#### SAMPLE DESCRIPTION

|            |        |
|------------|--------|
| Brand Name | N/G    |
| Diameter   | 25 mm  |
| Sampled By | CLIENT |

#### TESTING MACHINE

|            |               |
|------------|---------------|
| Brand Name | WALTER+BAI AG |
| Type       | SBM           |

#### TEST RESULTS

|               |                 |
|---------------|-----------------|
| After Bending | NO CRACKS SHOWN |
|---------------|-----------------|

#### Remarks

|         |  |
|---------|--|
| Remarks |  |
|---------|--|

|                        |  |                         |  |                          |  |
|------------------------|--|-------------------------|--|--------------------------|--|
| Tested by<br>Signature |  | Checked by<br>Signature |  | Verified by<br>Signature |  |
|------------------------|--|-------------------------|--|--------------------------|--|

- Sample done by MTL
- Results relate only to the sample as received

MTL management is not responsible about customer sample after 15 days of test date  
The test report shall NOT be reproduced without approval from the MTL management

-----x-----x end of test report x-----x-----



Modern Technology Laboratories

P.O Box: 4869 Jeddah 21412

Tel:00966-12-2881215 - Fax:00966-12-2881360

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## Modern Technology Laboratories (MTL)

### Chemical Analysis, Rebar Bending & Tensile Testing



Page 1 of 1

#### Mechanical Test of Steel Products

|               |                                |             |            |
|---------------|--------------------------------|-------------|------------|
| Client        | AL-TILAL STEEL COMPANY LIMITED | Work Order  | 6745       |
| Project       | QUALITY TEST                   | Report No.  | 6745-19    |
| Test Method   | ASTM A615/A615M -09b           | Lab No.     | 6744519    |
| Test Date     | 25-01-2022                     | Report Date | 26/01/2022 |
| Received Date | 25/01/2022                     | Grade       | 60         |

#### Description of Sample, and Definition of test Method:

This test method describes the bending test of Steel bar, The bend-test specimen shall withstand being bent around a pin without cracking on the outside radius of the bend. The bend test shall be made on specimens of sufficient length to ensure free bending and with apparatus which provides ,Continuous and uniform application of force throughout the duration of the bending operation. Unrestricted movement of the specimen at point of contact with the apparatus and bending around a pin free to rotate close wrapping of the specimen around the pin during the bending operation.

#### SAMPLE DESCRIPTION

|            |        |
|------------|--------|
| Brand Name | N/G    |
| Diameter   | 20 mm  |
| Sampled By | CLIENT |

#### TESTING MACHINE

|            |               |
|------------|---------------|
| Brand Name | WALTER+BAI AG |
| Type       | SBM           |

#### TEST RESULTS

|               |                 |
|---------------|-----------------|
| After Bending | NO CRACKS SHOWN |
|---------------|-----------------|

#### Remarks

|                        |  |                         |  |                          |  |
|------------------------|--|-------------------------|--|--------------------------|--|
| Tested by<br>Signature |  | Checked by<br>Signature |  | Verified by<br>Signature |  |
|------------------------|--|-------------------------|--|--------------------------|--|

- Sample done by MTL
- Results relate only to the sample as received

MTL management is not responsible about customer sample after 15 days of test date  
The test report shall NOT be reproduced without approval from the MTL management  
-----x-----x end of test report x-----x-----



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P.O Box: 4869 Jeddah 21412

ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

Tel:00966-12-2881215 - Fax:00966-12-2881360

هاتف: +٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠

## Modern Technology Laboratories (MTL)

Chemical Analysis, Rebar Bending & Tensile Testing



Page 1 of 1

### Mechanical Test of Steel Products

|               |                                |             |            |
|---------------|--------------------------------|-------------|------------|
| Client        | AL-TILAL STEEL COMPANY LIMITED | Work Order  | 6745       |
| Project       | QUALITY TEST                   | Report No.  | 6745-20    |
| Test Method   | ASTM A615/A615M -09b           | Lab No.     | 6744520    |
| Test Date     | 25-01-2022                     | Report Date | 26/01/2022 |
| Received Date | 25/01/2022                     | Grade       | 60         |

#### Description of Sample, and Definition of test Method:

This test method describes the bending test of Steel bar, The bend-test specimen shall withstand being bent around a pin without cracking on the outside radius of the bent. The bend test shall be made on specimens of sufficient length to ensure free bending and with apparatus which provides ,Continuous and uniform application of force throughout the duration of the bending operation. Unrestricted movement of the specimen at point of contact with the apparatus and bending around a pin free to rotate close wrapping of the specimen around the pin during the bending operation.

#### SAMPLE DESCRIPTION

|            |        |
|------------|--------|
| Brand Name | N/G    |
| Diameter   | 18 mm  |
| Sampled By | CLIENT |

#### TESTING MACHINE

|            |               |
|------------|---------------|
| Brand Name | WALTER+BAI AG |
| Type       | SBM           |

#### TEST RESULTS

|               |                 |
|---------------|-----------------|
| After Bending | NO CRACKS SHOWN |
|---------------|-----------------|

#### Remarks

|         |  |
|---------|--|
| Remarks |  |
|---------|--|

|                        |  |                         |  |                          |  |
|------------------------|--|-------------------------|--|--------------------------|--|
| Tested by<br>Signature |  | Checked by<br>Signature |  | Verified by<br>Signature |  |
|------------------------|--|-------------------------|--|--------------------------|--|



- Sample done by MTL
- Results relate only to the sample as received

MTL management is not responsible about customer sample after 15 days of test date  
The test report shall NOT be reproduced without approval from the MTL management

-----x-----x end of test report x-----x-----

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Tel:00966-12-2881215 - Fax:00966-12-2881360

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ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

هاتف: +٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: +٩٦٦-١٢-٢٨٨١٣٦٠

## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

### Mechanical Test of Steel Products

|               |                                |             |            |
|---------------|--------------------------------|-------------|------------|
| Client        | AL-TILAL STEEL COMPANY LIMITED | Work Order  | 6745       |
| Project       | QUALITY TEST                   | Report No.  | 6745-21    |
| Test Method   | ASTM A615/A615M -09b           | Lab No.     | 6744521    |
| Test Date     | 25-01-2022                     | Report Date | 26/01/2022 |
| Received Date | 25/01/2022                     | Grade       | 60         |

#### Description of Sample, and Definition of test Method:

This test method describes the bending test of Steel bar, The bend-test specimen shall withstand being bent around a pin without cracking on the outside radius of the bent. The bend test shall be made on specimens of sufficient length to ensure free bending and with apparatus which provides ,Continuous and uniform application of force throughout the duration of the bending operation. Unrestricted movement of the specimen at point of contact with the apparatus and bending around a pin free to rotate close wrapping of the specimen around the pin during the bending operation.

#### SAMPLE DESCRIPTION

|            |        |
|------------|--------|
| Brand Name | N/G    |
| Diameter   | 16 mm  |
| Sampled By | CLIENT |

#### TESTING MACHINE

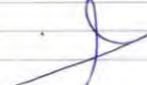


|            |               |
|------------|---------------|
| Brand Name | WALTER+BAI AG |
| Type       | SBM           |

#### TEST RESULTS

|               |                 |
|---------------|-----------------|
| After Bending | NO CRACKS SHOWN |
|---------------|-----------------|

#### Remarks

|         |  |
|---------|--|
| Remarks |  |
|---------|--|

|                        |   |                         |   |                          |   |
|------------------------|---|-------------------------|---|--------------------------|---|
| Tested by<br>Signature |  | Checked by<br>Signature |  | Verified by<br>Signature |  |
|------------------------|---|-------------------------|---|--------------------------|---|

- Sample done by MTL
- Results relate only to the sample as received

MTL management is not responsible about customer sample after 15 days of test date  
The test report shall NOT be reproduced without approval from the MTL management

-----x-----x end of test report x-----x-----



## Modern Technology Laboratories (MTL) Chemical Analysis, Rebar Bending & Tensile Testing

### Mechanical Test of Steel Products

|               |                                |             |            |
|---------------|--------------------------------|-------------|------------|
| Client        | AL-TILAL STEEL COMPANY LIMITED | Work Order  | 6745       |
| Project       | QUALITY TEST                   | Report No.  | 6745-22    |
| Test Method   | ASTM A615/A615M -09b           | Lab No.     | 6744522    |
| Test Date     | 25-01-2022                     | Report Date | 26/01/2022 |
| Received Date | 25/01/2022                     | Grade       | 60         |

#### Description of Sample, and Definition of test Method:

This test method describes the bending test of Steel bar, The bend-test specimen shall withstand being bent around a pin without cracking on the outside radius of the bent. The bend test shall be made on specimens of sufficient length to ensure free bending and with apparatus which provides ,Continuous and uniform application of force throughout the duration of the bending operation. Unrestricted movement of the specimen at point of contact with the apparatus and bending around a pin free to rotate close wrapping of the specimen around the pin during the bending operation.

#### SAMPLE DESCRIPTION

|            |        |
|------------|--------|
| Brand Name | N/G    |
| Diameter   | 14 mm  |
| Sampled By | CLIENT |




#### TESTING MACHINE

|            |               |
|------------|---------------|
| Brand Name | WALTER+BAI AG |
| Type       | SBM           |

#### TEST RESULTS

|               |                 |
|---------------|-----------------|
| After Bending | NO CRACKS SHOWN |
|---------------|-----------------|

#### Remarks

|                        |   |                         |   |                          |   |
|------------------------|---|-------------------------|---|--------------------------|---|
| Tested by<br>Signature |  | Checked by<br>Signature |  | Verified by<br>Signature |  |
|------------------------|---|-------------------------|---|--------------------------|---|

- Sample done by MTL
- Results relate only to the sample as received

MTL management is not responsible about customer sample after 15 days of test date  
The test report shall NOT be reproduced without approval from the MTL management

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## Modern Technology Laboratories (MTL)

### Chemical Analysis, Rebar Bending & Tensile Testing

#### Mechanical Test of Steel Products

|               |                                |             |            |
|---------------|--------------------------------|-------------|------------|
| Client        | AL-TILAL STEEL COMPANY LIMITED | Work Order  | 6745       |
| Project       | QUALITY TEST                   | Report No.  | 6745-23    |
| Test Method   | ASTM A615/A615M -09b           | Lab No.     | 6744523    |
| Test Date     | 25-01-2022                     | Report Date | 26/01/2022 |
| Received Date | 25/01/2022                     | Grade       | 60         |

#### Description of Sample, and Definition of test Method:

This test method describes the bending test of Steel bar, The bend-test specimen shall withstand being bent around a pin without cracking on the outside radius of the bent. The bend test shall be made on specimens of sufficient length to ensure free bending and with apparatus which provides ,Continuous and uniform application of force throughout the duration of the bending operation. Unrestricted movement of the specimen at point of contact with the apparatus and bending around a pin free to rotate close wrapping of the specimen around the pin during the bending operation.

#### SAMPLE DESCRIPTION

|            |        |
|------------|--------|
| Brand Name | N/G    |
| Diameter   | 12 mm  |
| Sampled By | CLIENT |




#### TESTING MACHINE

|            |               |
|------------|---------------|
| Brand Name | WALTER+BAI AG |
| Type       | SBM           |

#### TEST RESULTS

|               |                 |
|---------------|-----------------|
| After Bending | NO CRACKS SHOWN |
|---------------|-----------------|

|         |  |
|---------|--|
| Remarks |  |
|---------|--|

|                        |   |                         |   |                          |   |
|------------------------|---|-------------------------|---|--------------------------|---|
| Tested by<br>Signature |  | Checked by<br>Signature |  | Verified by<br>Signature |  |
|------------------------|---|-------------------------|---|--------------------------|---|

- Sample done by MTL
- Results relate only to the sample as received

MTL management is not responsible about customer sample after 15 days of test date  
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## Modern Technology Laboratories (MTL)

Chemical Analysis, Rebar Bending & Tensile Testing



Page 1 of 1

### Mechanical Test of Steel Products

|               |                                |             |            |
|---------------|--------------------------------|-------------|------------|
| Client        | AL-TILAL STEEL COMPANY LIMITED | Work Order  | 6745       |
| Project       | QUALITY TEST                   | Report No.  | 6745-24    |
| Test Method   | ASTM A615/A615M -09b           | Lab No.     | 6744524    |
| Test Date     | 25-01-2022                     | Report Date | 26/01/2022 |
| Received Date | 25/01/2022                     | Grade       | 60         |

#### Description of Sample, and Definition of test Method:

This test method describes the bending test of Steel bar, The bend-test specimen shall withstand being bent around a pin without cracking on the outside radius of the bent. The bend test shall be made on specimens of sufficient length to ensure free bending and with apparatus which provides continuous and uniform application of force throughout the duration of the bending operation. Unrestricted movement of the specimen at point of contact with the apparatus and bending around a pin free to rotate close wrapping of the specimen around the pin during the bending operation.

#### SAMPLE DESCRIPTION

|            |        |
|------------|--------|
| Brand Name | N/G    |
| Diameter   | 10 mm  |
| Sampled By | CLIENT |

#### TESTING MACHINE

|            |               |
|------------|---------------|
| Brand Name | WALTER+BAI AG |
| Type       | SBM           |

#### TEST RESULTS

|               |                 |
|---------------|-----------------|
| After Bending | NO CRACKS SHOWN |
|---------------|-----------------|

Remarks

|                        |  |                         |  |                          |  |
|------------------------|--|-------------------------|--|--------------------------|--|
| Tested by<br>Signature |  | Checked by<br>Signature |  | Verified by<br>Signature |  |
|------------------------|--|-------------------------|--|--------------------------|--|

- Sample done by MTL
- Results relate only to the sample as received

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Modern Technology Laboratories

مختبرات التقنية الحديثة

P.O Box: 4869 Jeddah 21412

ص.ب. ٤٨٦٩ جدة، ٢١٤١٢

Tel:00966-12-2881215 - Fax:00966-12-2881360

هاتف: ٩٦٦-١٢-٢٨٨١٢١٥ - فاكس: ٩٦٦-١٢-٢٨٨١٣٦٠ +

# Element Materials Technology ME Limited Abu Dhabi



Element Materials Technology ME Limited Abu Dhabi  
Plot 25, Umm Al Naar (Sas Al Nakhl),  
PO Box 9191, Abu Dhabi, United Arab Emirates

P: +971 (0)2 558 2345  
F: +971 (0)2 568 4515  
Info.abudhabi@element.com  
element.com

## Test Certificate

Client : **CARES-UK Certification Authority for Reinforcing St.**  
Pembroke House, 21 Pembroke Rd  
Sevenoaks, Kent TN13 1XR  
U.K.

**Element Ref: A 931493 Issue 1**

PO No: 29798  
Report No: 23805  
Date Tested: 13/04/22  
Date Reported: 14/04/22  
Page 1 of 2

Contact : Mr. Peter Roughley

Specification / Code : ASTM A615/A615M-20

Description: 14mm Diameter Reinforcement Rebar  
Supplier: Al Tital Steel Company Limited(Jeddah, Kingdom of Saudi Arabia)  
Cast No: HM61490; Reference No: 107701  
CARES Order No: 29798; Report No: 23805  
Sample Grade / Type: A615/A615M Grade 60  
Process: QST; Format: Bar

| Physical Parameters |                  |           |            | Test Method: ASTM A615/A615M-20 |           |
|---------------------|------------------|-----------|------------|---------------------------------|-----------|
| Mark No.            | Nominal Size(mm) | Mass (kg) | Length (m) | Mass/meter (Kg/m)               | Sample ID |
| 001                 | 14               | 0.707     | 0.604      | 1.171                           | 1         |
| 002                 | 14               | 0.706     | 0.602      | 1.173                           | 2         |
| 003                 | 14               | 0.707     | 0.601      | 1.176                           | 3         |
| 004                 | 14               | 0.706     | 0.601      | 1.175                           | 4         |
| 005                 | 14               | 0.707     | 0.606      | 1.167                           | 5         |
| 006                 | 14               | 0.706     | 0.605      | 1.167                           | 6         |
| 007                 | 14               | 0.702     | 0.603      | 1.164                           | 7         |
| 008                 | 14               | 0.697     | 0.607      | 1.148                           | 8         |
| 009                 | 14               | 0.703     | 0.606      | 1.160                           | 9         |
| 010                 | 14               | 0.706     | 0.607      | 1.163                           | 10        |

| Tensile Test       |              |                 | Test Method: ASTM A615/A615M-20 |           |                           |       |                   |      |           |
|--------------------|--------------|-----------------|---------------------------------|-----------|---------------------------|-------|-------------------|------|-----------|
| Mark No.           | Nominal Size | **Nominal Area  | IGL                             | YL        | YS                        | UTL   | UTS               | EL   | Sample ID |
|                    | mm           | mm <sup>2</sup> | mm                              | kN(0.2PS) | N/mm <sup>2</sup> (Rp0.2) | kN    | N/mm <sup>2</sup> | %    |           |
| 011                | 14           | 153.9           | 200                             | 87.4      | 568                       | 107.3 | 697               | 10   | 1         |
| 012                | 14           | 153.9           | 200                             | 83.1      | 540                       | 104.0 | 676               | 11   | 2         |
| 013                | 14           | 153.9           | 200                             | 88.3      | 574                       | 107.8 | 700               | 11   | 3         |
| 014                | 14           | 153.9           | 200                             | 85.9      | 558                       | 106.5 | 692               | 10   | 4         |
| 015                | 14           | 153.9           | 200                             | 83.4      | 542                       | 104.1 | 676               | 11   | 5         |
| 016                | 14           | 153.9           | 200                             | 87.3      | 567                       | 107.3 | 697               | 12   | 6         |
| 017                | 14           | 153.9           | 200                             | 78.2      | 508                       | 100.5 | 653               | 11   | 7         |
| 018                | 14           | 153.9           | 200                             | 89.0      | 578                       | 109.0 | 708               | 10   | 8         |
| 019                | 14           | 153.9           | 200                             | 87.4      | 568                       | 106.8 | 694               | 10   | 9         |
| 020                | 14           | 153.9           | 200                             | 89.1      | 579                       | 108.3 | 704               | 11   | 10        |
| Average            |              |                 |                                 | 85.9      | 558                       | 106.2 | 690               | 11   |           |
| Standard Deviation |              |                 |                                 | 3.43      | 22.29                     | 2.57  | 16.69             | 0.67 |           |



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Element Materials Technology ME Limited Abu Dhabi  
PO Box 9191, Abu Dhabi, United Arab Emirates  
T: +971 (0)2 558 2345 | F: +971 (0)2 568 4515

\*\*Reinforcing bar size is not designated in ASTM A615/A615M, hence area used to calculate stress values is based on the nominal diameter of the tested bar.

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**Element Materials Technology  
ME Limited Abu Dhabi**



Client : CARES-UK Certification Authority for Reinforcing St.  
14mm Diameter Reinforcement Rebar

**Element Ref: A 931493 Issue 1**

PO No: 29798

Page 2 of 2

| <b>Bend Test</b> |                   | <b>Test Method: ASTM A615/A615M-20</b> |            |            |           |  |
|------------------|-------------------|--|------------|------------|-----------|--|
| Mark No.         | Nominal Size (mm) | ***Former Diameter                     | Bend Angle | Results    | Sample ID |  |
| 021              | 14                | 3.5d                                   | 180        | Acceptable | 1         |  |
| 022              | 14                | 3.5d                                   | 180        | Acceptable | 2         |  |
| 023              | 14                | 3.5d                                   | 180        | Acceptable | 3         |  |

\*\*\*Reinforcing bar size is not designated in ASTM A615/A615M. The former diameter selected as most appropriate.

| <b>Chemical Analysis</b> |      |      |      |       |       |      |      |      |      |        |       |       |       |      | <b>Test Method: OES</b> |           |
|--------------------------|------|------|------|-------|-------|------|------|------|------|--------|-------|-------|-------|------|-------------------------|-----------|
| Mark No.                 | C%   | Si%  | Mn%  | P%    | S%    | Cr%  | Mo%  | Ni%  | Cu%  | V%     | N%    | Sn    | Al%   | CEV% | Comments                | Sample ID |
| 024                      | 0.25 | 0.26 | 0.70 | 0.027 | 0.032 | 0.11 | 0.01 | 0.06 | 0.20 | <0.005 | 0.007 | 0.014 | <0.01 | 0.41 | Nil                     | 1         |

| <b>Macro Examination</b> |                 | <b>Test Method: EMT-M-OP-MET-MD006A#</b> |           |  |
|--------------------------|-----------------|--|-----------|--|
| Mark No.                 | Type            | Results                                  | Sample ID |  |
| 025                      | Macro Etch Test | See attached macrograph                  | 1         |  |

| <b>Relative Rib Area</b> |                                | <b>Test Method: ASTM A615/A615M-20</b> |                                |        |              |                                  |                               |        |           |           |
|--------------------------|--------------------------------|--|--------------------------------|--------|--------------|----------------------------------|-------------------------------|--------|-----------|-----------|
| Mark No.                 | No. of Rows of Transverse Ribs | Spacing Between Transverse Ribs (mm)   | Height of Transverse Ribs (mm) |        |              | Angle of Transverse Ribs Degreee | Gap between deformations (mm) |        |           | Sample ID |
|                          |                                |  | 1st Quarter                    | Center | Last Quarter |                                  | Side 1                        | Side 2 | Summation |           |
| 026                      | 2                              | 9.460                                  | 0.617                          | 0.939  | 0.571        | 53                               | 1.79                          | 1.83   | 3.62      | 1         |

**Certificate Comments:**

- The reported test results are within the specified tolerance (whenever its applicable) limit in accordance with ASTM A615/A615M-20 Grade 60 .
- Conformity statement reported with no decision rule applied.
- Uncertainty of measurement is available on request.

Tested at: Umm Al Naar, Abu Dhabi

  
For and on authority of Element Materials Technology (Abu Dhabi)



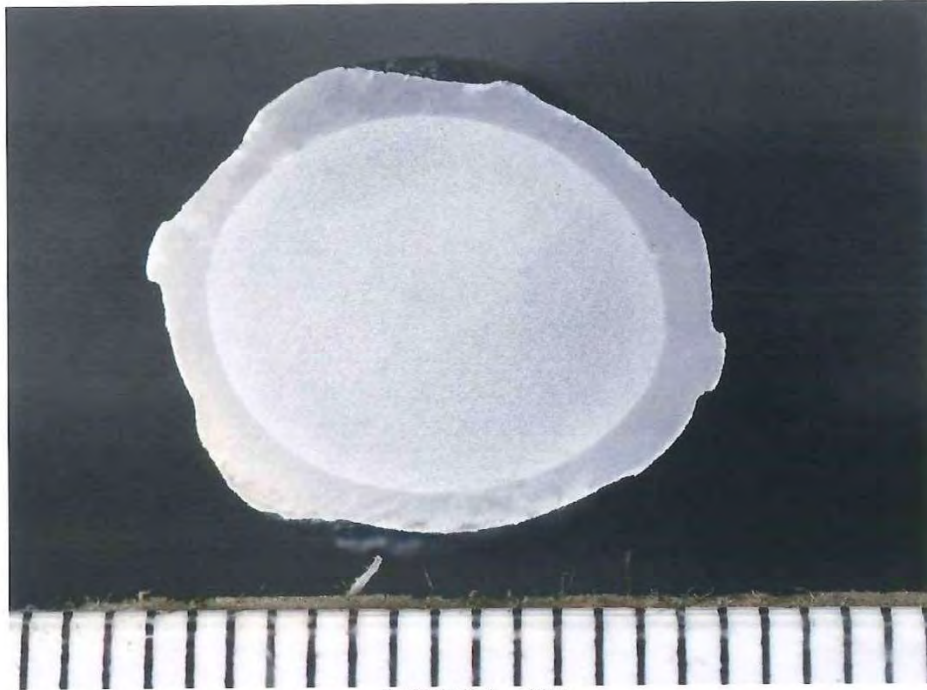
اليمنت ماتيريلز تكنولوجي ام اي ليمتد أبو ظبي  
Element Materials Technology ME Limited Abu Dhabi  
PO Box 9191, Abu Dhabi, United Arab Emirates  
T: +971 (0)2 558 2345 | F: +971 (0)2 558 4515





Report Number: A 931493 Issue 1

MACRO PHOTOGRAPH



A 931493 - 025

=====**End of Test Certificate**=====



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Element Materials Technology ME Limited Abu Dhabi  
PO Box 9191, Abu Dhabi, United Arab Emirates  
T: +971 (0)2 558 2345 | F: +971 (0)2 558 4515



Element Materials Technology ME Limited Abu Dhabi  
Plot 25, Umm Al Naar (Sas Al Nakhl),  
PO Box 9191, Abu Dhabi, United Arab Emirates

P: +971 (0)2 558 2345  
F: +971 (0)2 558 4515  
info.abudhabi@element.com  
element.com

## Test Certificate

Client : **CARES-UK Certification Authority for Reinforcing St.**  
Pembroke House, 21 Pembroke Rd  
Sevenoaks, Kent TN13 1XR  
U.K.

**Element Ref: A 931494 Issue 1**

PO No: 29798

Report No: 23805

Date Tested: 13/04/22

Date Reported: 14/04/22

Page 1 of 2

Contact : Mr. Peter Roughley

Specification / Code : ASTM A615/A615M-20

Description: 14mm Diameter Reinforcement Rebar  
Supplier: Al Tital Steel Company Limited(Jeddah, Kingdom of Saudi Arabia)  
Cast No: HM61466; Reference No: 107702  
CARES Order No: 29798; Report No: 23805  
Sample Grade / Type: A615/A615M Grade 60  
Process: QST; Format: Bar

| Physical Parameters |                  |           |            | Test Method: ASTM A615/A615M-20 |           |
|---------------------|------------------|-----------|------------|---------------------------------|-----------|
| Mark No.            | Nominal Size(mm) | Mass (kg) | Length (m) | Mass/meter (Kg/m)               | Sample ID |
| 001                 | 14               | 0.703     | 0.607      | 1.158                           | 11        |
| 002                 | 14               | 0.705     | 0.605      | 1.165                           | 12        |
| 003                 | 14               | 0.700     | 0.600      | 1.167                           | 13        |
| 004                 | 14               | 0.711     | 0.607      | 1.171                           | 14        |
| 005                 | 14               | 0.704     | 0.606      | 1.162                           | 15        |
| 006                 | 14               | 0.705     | 0.608      | 1.160                           | 16        |
| 007                 | 14               | 0.694     | 0.610      | 1.138                           | 17        |
| 008                 | 14               | 0.711     | 0.608      | 1.169                           | 18        |
| 009                 | 14               | 0.710     | 0.607      | 1.170                           | 19        |
| 010                 | 14               | 0.698     | 0.608      | 1.148                           | 20        |

| Tensile Test       |              |                 |     |           |                           |       |                   |      |           | Test Method: ASTM A615/A615M-20 |
|--------------------|--------------|-----------------|-----|-----------|---------------------------|-------|-------------------|------|-----------|---------------------------------|
| Mark No.           | Nominal Size | **Nominal Area  | IGL | YL        | YS                        | UTL   | UTS               | EL   | Sample ID |                                 |
|                    | mm           | mm <sup>2</sup> | mm  | kN(0.2PS) | N/mm <sup>2</sup> (Rp0.2) | kN    | N/mm <sup>2</sup> | %    |           |                                 |
| 011                | 14           | 153.9           | 200 | 90.1      | 585                       | 110.2 | 716               | 9    | 11        |                                 |
| 012                | 14           | 153.9           | 200 | 90.0      | 585                       | 110.2 | 716               | 10   | 12        |                                 |
| 013                | 14           | 153.9           | 200 | 85.9      | 558                       | 106.6 | 693               | 9    | 13        |                                 |
| 014                | 14           | 153.9           | 200 | 90.3      | 587                       | 109.2 | 710               | 12   | 14        |                                 |
| 015                | 14           | 153.9           | 200 | 84.9      | 552                       | 103.4 | 672               | 10   | 15        |                                 |
| 016                | 14           | 153.9           | 200 | 88.3      | 573                       | 107.8 | 700               | 11   | 16        |                                 |
| 017                | 14           | 153.9           | 200 | 87.8      | 570                       | 107.2 | 697               | 11   | 17        |                                 |
| 018                | 14           | 153.9           | 200 | 87.5      | 569                       | 108.1 | 702               | 12   | 18        |                                 |
| 019                | 14           | 153.9           | 200 | 82.4      | 535                       | 102.7 | 667               | 10   | 19        |                                 |
| 020                | 14           | 153.9           | 200 | 90.7      | 589                       | 109.9 | 714               | 11   | 20        |                                 |
| Average            |              |                 |     | 87.8      | 570                       | 107.5 | 699               | 11   |           |                                 |
| Standard Deviation |              |                 |     | 2.70      | 17.57                     | 2.68  | 17.38             | 1.08 |           |                                 |



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Element Materials Technology ME Limited Abu Dhabi  
PO Box 9191, Abu Dhabi, United Arab Emirates  
P: +971 (0)2 558 2345 | F: +971 (0)2 558 4515

\*\*Reinforcing bar size is not designated in ASTM A615/A615M, hence area used to calculate stress values is based on the nominal diameter of the tested bar.

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Client : CARES-UK Certification Authority for Reinforcing St.  
14mm Diameter Reinforcement Rebar

Element Ref: A 931494 Issue 1

PO No: 29798

Page 2 of 2

| Bend Test |                   |                    |            | Test Method: ASTM A615/A615M-20 |           |
|-----------|-------------------|--------------------|------------|---------------------------------|-----------|
| Mark No.  | Nominal Size (mm) | ***Former Diameter | Bend Angle | Results                         | Sample ID |
| 021       | 14                | 3.5d               | 180        | Acceptable                      | 11        |
| 022       | 14                | 3.5d               | 180        | Acceptable                      | 12        |
| 023       | 14                | 3.5d               | 180        | Acceptable                      | 13        |

\*\*\*Reinforcing bar size is not designated in ASTM A615/A615M. The former diameter selected as most appropriate.

| Chemical Analysis |      |      |      |       |       |      |      |      |      |        |       |       | Test Method: OES |      |          |           |  |
|-------------------|------|------|------|-------|-------|------|------|------|------|--------|-------|-------|------------------|------|----------|-----------|--|
| Mark No.          | C%   | Si%  | Mn%  | P%    | S%    | Cr%  | Mo%  | Ni%  | Cu%  | V%     | N%    | Sn    | Al%              | CEV% | Comments | Sample ID |  |
| 024               | 0.25 | 0.27 | 0.71 | 0.028 | 0.042 | 0.13 | 0.01 | 0.06 | 0.22 | <0.005 | 0.007 | 0.012 | <0.01            | 0.42 | Nil      | 11        |  |

| Macro Examination |                 | Test Method: EMT-M-OP-MET-MD006A# |           |
|-------------------|-----------------|-----------------------------------|-----------|
| Mark No.          | Type            | Results                           | Sample ID |
| 025               | Macro Etch Test | See attached macrograph           | 11        |

| Relative Rib Area |                                |                                      |                                | Test Method: ASTM A615/A615M-20 |              |                                  |                               |        |           |           |
|-------------------|--------------------------------|--------------------------------------|--------------------------------|---------------------------------|--------------|----------------------------------|-------------------------------|--------|-----------|-----------|
| Mark No.          | No. of Rows of Transverse Ribs | Spacing Between Transverse Ribs (mm) | Height of Transverse Ribs (mm) |                                 |              | Angle of Transverse Ribs Degreee | Gap between deformations (mm) |        |           | Sample ID |
|                   |                                |                                      | 1st Quarter                    | Center                          | Last Quarter |                                  | Side 1                        | Side 2 | Summation |           |
| 026               | 2                              | 9.670                                | 0.729                          | 0.933                           | 0.770        | 54                               | 1.87                          | 1.83   | 3.70      | 11        |

Certificate Comments:

The reported test results are within the specified tolerance (whenever its applicable) limit in accordance with ASTM A615/A615M-20 Grade 60 .  
Conformity statement reported with no decision rule applied.  
Uncertainty of measurement is available on request.

Tested at: Umm Al Naar, Abu Dhabi

For and on authority of Element Materials Technology (Abu Dhabi)

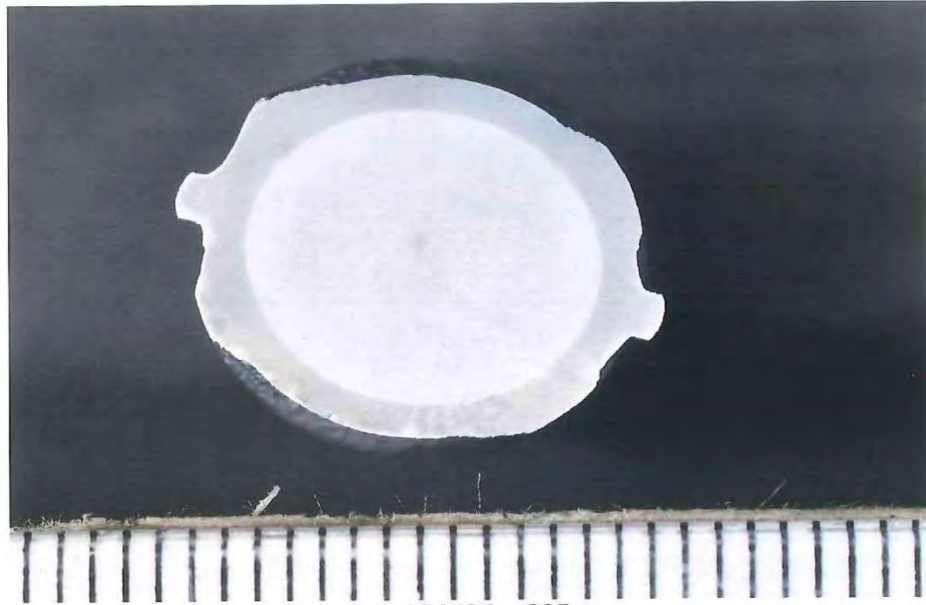
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element  
البيمنت ماتيريلز تكنولوجي ام اي ليمتد أبو ظبي  
Element Materials Technology ME Limited Abu Dhabi  
PO Box 9191, Abu Dhabi, United Arab Emirates  
T: +971 (0) 2 558 2345 | F: +971 (0) 2 558 4515





Report Number: A 931494 Issue 1

**MACRO PHOTOGRAPH**



A 931494 – 025

=====**End of Test Certificate**=====




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Element Materials Technology ME Limited Abu Dhabi  
PO Box 9191, Abu Dhabi, United Arab Emirates  
T: +971 (0)2 558 2345 | F: +971 (0)2 558 4515



# Arab Company for Laboratories & Soil (Physical & Chemical Testing of Rebar)

## Arab Company for Laboratories & Soil Physical & Chemical Testing of Rebar



**Partners for Quality Construction**

**Arab Company** الشركة العربية  
For Laboratories and Soil للمختبرات والتربة

Ref. : JMQ18001256  
Date : May 31<sup>st</sup>, 2018

**Client** : Hill Metals Est.

**Consultant** : N.P

**Project** : Private

**Subject** : Reinforcement Steel Testing (ISO 6935-2, 32mm B500 A-R)

**Manufacturer** : Hill Metals Est.

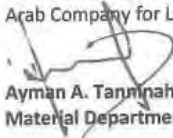
Dear Sir,

With reference to the above subject and referring to our proposal and your request no. JMQ18001256, ACES is pleased to submit herewith the reinforcement steel testing report as per ISO 6935-2 requirements for the above-mentioned project.

This report contains the test results of physical and chemical testing of reinforcement steel as per ISO 6935-2 requirements. All the test results of physical and chemical testing comply with ISO 6935-2 requirements.

We appreciate the opportunity to be of service to you on this project. Should we could be of any further assistance, or if you have any questions regarding this report, please contact our office.

Yours faithfully,  
Arab Company for Laboratories and Soil



**Ayman A. Tanninah**  
Material Departments Manager



س.ت ٤٠٢-١٥٧٥٨٦ رقم العضوية: ١-٦٩٢٤ ص.ب ١٣٢٩٠٥ جدة ٢١٣٨٢ هاتف ٩٦٦٦١٧٦٤٤٣ فاكس ٩٦٦١٣٦٦٥٤٨  
شركة ذات مسؤولية محدودة - رأس المال المدفوع ٥٦٦٢٥٠٠٠٠ ريال

C.R. 4030157586 J.C.C No.106934 - P.O.Box 132905, Jeddah 21382, Saudi Arabia.





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Physical & Chemical Testing of Rebar

### Evaluation of Test Results

The mean value,  $m_{15}$  (For  $n=15$ ) = 624.8 Mpa

Standard Deviation,  $s_{15}$  (For  $n=15$ ) = 16.45

### Condition As Per ISO 6935-2

$$m_{15} - 2.33 \times s_{15} \geq f_k$$

Where,  $f_k$  is the required Characteristic value

So,

$624.8 - 2.33 \times 16.45 = 586.5$  which is greater than specified value for Grade B500 A-R

### Tensile Requirements According to ISO6935-2

According to ISO6935-2, the following table shows the tensile requirements for Grades mention in the table below;

| Ductility Class | Steel Grade | Spec. Yield Strength $R_{eH}$ (Mpa) |         | Ductility Properties                         |  |               |
|-----------------|-------------|-------------------------------------|---------|--|--|---------------|
|                 |             | Minimum                             | Maximum | Spec. Characteristic Value of $R_{m}/R_{eH}$ | Spec. Characteristic Value of Elongation (%) |               |
|                 |             |                                     |         |  | Minimum                                      | $A_5$ Minimum |
| A               | B300 A-R    | 300                                 | ---     | 1.02   | 16   | 2             |
|                 | B400 A-R    | 400                                 | ---     |  | 14   |               |
|                 | B400 AWR    |                                     |         |  |  |               |
|                 | B500 A-R    |                                     |         |  |  |               |
|                 | B500 AWR    |                                     |         |  |  |               |
| B               | B300 B-R    | 300                                 | ---     | 1.08   | 16   | 5             |
|                 | B400 B-R    | 400                                 | ---     |  | 14   |               |
|                 | B400 BWR    |                                     |         |  |  |               |
|                 | B500 B-R    |                                     |         |  |  |               |
|                 | B500 BWR    |                                     |         |  |  |               |
| C               | B300 C-R    | 300                                 | ---     | 1.15   | 16   | 7             |
|                 | B400 C-R    | 400                                 | ---     |  | 14   |               |
|                 | B400 CWR    |                                     |         |  |  |               |
|                 | B500 C-R    |                                     |         |  |  |               |
|                 | B500 CWR    |                                     |         |  |  |               |
| D               | B300 D-R    | 300                                 | ---     | 1.25   | 17 <sup>b</sup>                              | 8             |
|                 | B300 DWR    |                                     |         |  |  |               |
|                 | B350 DWR    |                                     |         |  |  |               |
|                 | B400 DWR    |                                     |         |  |  |               |
|                 | B420 DWR    |                                     |         |  |  |               |
|                 | B500 DWR    |                                     |         |  |  |               |

### Conclusions

- As per tensile test results and according to ISO6935-2 Requirements, these samples satisfied the requirements of Grade B500 A-R Steel, in all items of tensile Test.

(Yield Strength, Elongation  $A_5$ )



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Page 2 of 3

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### SPECIFICATIONS REQUIREMENTS

#### Weight Requirements According to ISO 6935-2

According to ISO 6935-2, the requirements for applicable weight per unit length prescribed in the table below;

| Nominal Bar Dia.<br>(mm) | Nominal Area<br>(mm <sup>2</sup> ) | Requirement<br>(Kg/m) | Permissible Deviation<br>(%) | Weight Req. (Kg/m) |         |
|--------------------------|------------------------------------|-----------------------|------------------------------|--------------------|---------|
|                          |                                    |                       |                              | Minimum            | Maximum |
| 6                        | 28.3                               | 0.222                 | ±8                           | 0.204              | 0.240   |
| 8                        | 50.3                               | 0.395                 | ±8                           | 0.363              | 0.427   |
| 10                       | 78.5                               | 0.617                 | ±6                           | 0.580              | 0.654   |
| 12                       | 113                                | 0.888                 | ±6                           | 0.835              | 0.941   |
| 14                       | 154                                | 1.21                  | ±5                           | 1.150              | 1.271   |
| 16                       | 201                                | 1.58                  | ±5                           | 1.501              | 1.659   |
| 20                       | 314                                | 2.47                  | ±5                           | 2.347              | 2.594   |
| 25                       | 491                                | 3.85                  | ±4                           | 3.696              | 4.004   |
| 28                       | 616                                | 4.84                  | ±4                           | 4.646              | 5.034   |
| 32                       | 804                                | 6.31                  | ±4                           | 6.058              | 6.582   |
| 40                       | 1257                               | 9.86                  | ±4                           | 9.466              | 10.254  |
| 50                       | 1964                               | 15.42                 | ±4                           | 14.803             | 16.037  |

#### Conclusions

- As per the actual weight of steel bars and according to ISO6935-2 Requirements, these samples satisfied the requirements of weight.



Arab Company For Laboratories and Soil

Eng. Ayman A. Tanninah  
Material Department Manager

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Page 3 of 3



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Physical & Chemical Testing of Rebar

| Test Certificate  |   |
|---|---|
| Name of Company   | : HILL METALS EST   |
| Address   | : PRIVATE PROJECT   |
| To  | : JMQ18001256   |
| Address   | : JEDDAH  |
| Sample Identification   | : 32MM  |
| Machine   | : UMI Make Universal Testing Machine, 1000 kN   |
| Input Data  | : File Name : HILL METALS (32MM) S-1 , Record No. : 1 , Date : 29/05/2018<br>: Sample Type -- TMT , Area : 818.684 mm <sup>2</sup><br>: Length = 600.0 mm , Weight = 3.856 kg<br>: Gauge Length : 160 mm Final Gauge Length: 186 mm |
| Results of  | : Tension Test  |
| Maximum Force (Fm)  | : 578,950.000 N   |
| Yield Stress  | : 615.561 MPa   |
| Disp. at Fm   | : 57.400 mm   |
| YS/UTS Ratio  | : 0.870   |
| Max. Disp.  | : 73.600 mm   |
| Tensile Strength (Rm)   | : 707.172 MPa   |
| Elongation  | : 16.250 %  |
| Yield Load  | : 503,950.000 N   |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset |   |
| Graph   | : Load Vs Displacement  |
| <p>Y0=0.000 X0=0.000</p>  |   |
| For HILL METALS EST   |   |
|   |   |

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| Test Certificate  |   |
|---|---|
| Name of Company   | : HILL METALS EST   |
| Address   | : PRIVATE PROJECT   |
| To  | : JMQ18001256   |
| Address   | : JEDDAH  |
| Sample Identification   | : 32MM  |
| Machine   | : UMI Make Universal Testing Machine, 1000 kN   |
| Input Data  | : File Name : HILL METALS (32MM) S-2 , Record No. : 1 , Date : 29/05/2018<br>: Sample Type -- TMT , Area : 822.930 mm <sup>2</sup><br>: Length = 600.0 mm , Weight = 3.876 kg<br>: Gauge Length : 160 mm Final Gauge Length: 168 mm |
| Results of  | : Tension Test  |
| Maximum Force (Fm)  | : 582,000.000 N   |
| Yield Stress  | : 594.522 MPa   |
| Disp. at Fm   | : 60.400 mm   |
| YS/UTS Ratio  | : 0.841   |
| Max. Disp.  | : 51.100 mm   |
| Tensile Strength (Rm)   | : 707.229 MPa   |
| Elongation  | : 17,500 %  |
| Yield Load  | : 489,250.000 N   |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset |   |
| Graph   | : Load Vs Displacement  |
| <p>Y0=0.000 X0=0.000</p>  |   |
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|   |   |

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Physical & Chemical Testing of Rebar

| Test Certificate  |  |              |               |
|---|--|--------------|---------------|
| Name of Company   | : HILL METALS EST  |              |               |
| Address   | : PRIVATE PROJECT  |              |               |
| To  | : JMQ18001258  |              |               |
| Address   | : JEDDAH   |              |               |
| Sample Identification   | : 32MM   |              |               |
| Machine   | : UMI Make Universal Testing Machine, 1000 kN  |              |               |
| Input Data  | : File Name : HILL METALS (32MM) S-3 , Record No. : 1 , Date : 29/05/2018<br>: Sample Type - TMT , Area : 822.602 mm <sup>2</sup><br>: Length = 599.0 mm , Weight = 3.868 kg<br>: Gauge Length : 160 mm Final Gauge Length: 187 mm |              |               |
| Results of  | : Tension Test   |              |               |
| Maximum Force (Fm)  | : 575,450.000 N  | Yield Stress | : 588.863 MPa |
| Disp. at Fm   | : 58.700 mm  | YS/UTS Ratio | : 0.842       |
| Max. Disp.  | : 76.500 mm  |              |               |
| Tensile Strength (Rm)   | : 699.548 MPa  |              |               |
| Elongation  | : 16.875 %   |              |               |
| Yield Load  | : 484,400.000 N  |              |               |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset |  |              |               |
| Graph   | : Load Vs Displacement.  |              |               |
|   | <p>Y0=0.000<br/>X0=0.000</p>   |              |               |
| For HILL METALS EST   |  |              |               |
| <p>Arab Company<br/>للبيانات والتربة<br/>C.P. 4038</p>                          |  |              |               |



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Physical & Chemical Testing of Rebar

| Test Certificate   |   |
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| Name of Company  | : HILL METALS EST   |
| Address  | : PRIVATE PROJECT   |
| To   | : JMQ18001256   |
| Address  | : JEDDAH  |
| Sample Identification  | : 32MM  |
| Machine  | : UMI Make Universal Testing Machine, 1000 kN   |
| Input Data   | : File Name : HILL METALS (32MM) S-4 , Record No. : 1 , Date : 29/05/2018<br>: Sample Type -- TMT , Area : 821.326 mm <sup>2</sup><br>: Length = 599.0 mm , Weight = 3.862 kg<br>: Gauge Length : 160 mm Final Gauge Length: 185 mm |
| Results of   | : Tension Test  |
| Maximum Force (Fm)   | : 575,850.000 N   |
| Yield Stress   | : 605.058 MPa   |
| Disp. at Fm  | : 58.800 mm   |
| YS/UTS Ratio   | : 0.863   |
| Max. Disp.   | : 71.500 mm   |
| Tensile Strength (Rm)  | : 701.122 MPa   |
| Elongation   | : 15.625 %  |
| Yield Load   | : 496,950.000 N   |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset  |   |
| Graph  | : Load Vs Displacement  |
| <p>The graph displays the relationship between Load (N) on the vertical axis and Displacement (mm) on the horizontal axis. The vertical axis ranges from 0 to 600,000.000 N with major ticks every 60,000.000 N. The horizontal axis ranges from 0 to 80,000 mm with major ticks every 8,000 mm. The curve starts at the origin (0,0), rises steeply to a yield point at approximately 496,950 N and 58,800 mm, then continues to rise to a maximum force (Fm) of 575,850 N at 58,800 mm displacement. After reaching Fm, the curve shows a slight increase to a peak of approximately 580,000 N at around 64,000 mm displacement, followed by a sharp decline to approximately 450,000 N at 72,000 mm displacement.</p> |   |
| For HILL METALS EST  |   |
| <p>Arab Company for Laboratories and Soil<br/>شركة التلال للحديد المحدودة<br/>C.P. 4030 - JEDDAH - K.S.A.</p>  |   |

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|---|---|
| Name of Company   | : HILL METALS EST   |
| Address   | : PRIVATE PROJECT   |
| To :  | JMQ18001258   |
| Address :   | JEDDAH  |
| Sample Identification   | : 32MM  |
| Machine   | : UMI Make Universal Testing Machine, 1000 kN                             |
| Input Data  | : File Name : HILL METALS (32MM) S-5 , Record No. : 1 , Date : 29/05/2018 |
|   | : Sample Type -- TMT , Area : 821.114 mm <sup>2</sup>                     |
|   | : Length = 599.0 mm , Weight = 3.861 kg                                   |
|   | : Gauge Length : 160 mm Final Gauge Length: 188 mm                        |
| Results of  | : Tension Test  |
| Maximum Force (Fm)  | : 580,700.000 N   |
| Yield Stress  | : 591.513 MPa   |
| Disp. at Fm   | : 60.800 mm   |
| YS/UTS Ratio  | : 0.836   |
| Max. Disp.  | : 75.600 mm   |
| Tensile Strength (Rm)   | : 707.210 MPa   |
| Elongation  | : 17.500 %  |
| Yield Load  | : 485,700.000 N   |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset |   |
| Graph   | : Load Vs Displacement  |
| <p>Y0=0,000 X0=0,000</p>  |   |
| For HILL METALS EST   |   |
| <p>Arab Company<br/>شركة التلال للحديد المحدودة<br/>C.R. 403014786</p>          |   |

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Physical & Chemical Testing of Rebar

| Test Certificate  |  |
|---|--|
| Name of Company   | : HILL METALS EST  |
| Address   | : PRIVATE PROJECT  |
| To :  | JMQ18001256  |
| Address :   | JEDDAH   |
| Sample Identification   | : 32MM   |
| Machine   | : UMI Make Universal Testing Machine, 1000 kN  |
| Input Data  | : File Name : HILL METALS (32MM) S-6, Record No. : 1, Date : 29/05/2018<br>: Sample Type – TMT, Area : 822.798 mm <sup>2</sup><br>: Length = 597.0 mm, Weight = 3.856 kg<br>: Gauge Length : 160 mm Final Gauge Length: 188 mm |
| Results of  | : Tension Test   |
| Maximum Force (Fm)  | : 579,250.000 N  |
| Yield Stress  | : 590.303 MPa  |
| Disp. at Fm   | : 57.300 mm  |
| YS/UTS Ratio  | : 0.840  |
| Max. Disp.  | : 75.700 mm  |
| Tensile Strength (Rm)   | : 704.001 MPa  |
| Elongation  | : 17.500 %   |
| Yield Load  | : 485,700.000 N  |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset   |  |
| Graph   | : Load Vs Displacement   |
| <p>Y0=0.000 X0=0.000</p>  |  |
| For HILL METALS EST   |  |
| <p>الشركة للتجارب والتربة<br/>                 Arab Company<br/>                 For Laboratories and Soil<br/>                 C.R. 4030117-88</p> |  |

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Physical & Chemical Testing of Rebar

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| Name of Company   | : HILL METALS EST  |
| Address   | : PRIVATE PROJECT  |
| To  | : JMQ18001256  |
| Address   | : JEDDAH   |
| Sample Identification   | : 32MM   |
| Machine   | : UMI Make Universal Testing Machine, 1000 kN  |
| Input Data  | : File Name : HILL METALS (32MM) S-7 , Record No. : 1 , Date : 29/05/2018<br>: Sample Type – TMT , Area : 820.595 mm <sup>2</sup><br>: Length = 600.0 mm , Weight = 3.865 kg<br>: Gauge Length : 160 mm Final Gauge Length: 187 mm |
| Results of  | : Tension Test   |
| Maximum Force (Fm)  | : 580,600.000 N  |
| Yield Stress  | : 629.666 MPa  |
| Disp. at Fm   | : 53.000 mm  |
| YS/UTS Ratio  | : 0.890  |
| Max. Disp.  | : 69.200 mm  |
| Tensile Strength (Rm)   | : 707.536 MPa  |
| Elongation  | : 16.875 %   |
| Yield Load  | : 516,700.000 N  |
| * Note : Yield Calculated By Offset method as per ASTM E8 at 2 % Strain offset  |  |
| Graph   | : Load Vs Displacement   |
| <p>The graph displays the relationship between Load (N) on the vertical axis and Displacement (mm) on the horizontal axis. The vertical axis ranges from 0 to 600,000.000 N with major ticks every 60,000.000 N. The horizontal axis ranges from 0 to 70,000 mm with major ticks every 7,000 mm. The curve starts at the origin (0,0), rises steeply to a yield point at approximately 516,700 N and 53,000 mm, then continues to rise to a maximum force (Fm) of 580,600 N at 53,000 mm displacement. After the yield point, the curve exhibits a slight plateau and then a gradual decline, reaching a maximum displacement of 69,200 mm before dropping sharply.</p> |  |
| For HILL METALS EST   |  |
| <p>Logo of Arab Company for Laboratories &amp; Soil (ACES). The logo includes the company name in Arabic and English, and the phone number 011 403817786.</p>   |  |

## Arab Company for Laboratories & Soil

Physical & Chemical Testing of Rebar

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| Name of Company   | : HILL METALS EST   |              |               |
| Address   | : PRIVATE PROJECT   |              |               |
| To  | : JMQ18001256   |              |               |
| Address   | : JEDDAH  |              |               |
| Sample Identification   | : 32MM  |              |               |
| Machine   | : UMI Make Universal Testing Machine, 1000 kN                             |              |               |
| Input Data  | : File Name : HILL METALS (32MM) S-8 , Record No. : 1 , Date : 29/05/2018 |              |               |
|   | : Sample Type – TMT , Area : 821.677 mm <sup>2</sup>                      |              |               |
|   | : Length = 602.0 mm , Weight = 3.883 kg                                   |              |               |
|   | : Gauge Length : 160 mm Final Gauge Length: 188 mm                        |              |               |
| Results of  | : Tension Test  |              |               |
| Maximum Force (Fm)  | : 581,450.000 N   | Yield Stress | : 630.966 MPa |
| Disp. at Fm   | : 55.700 mm   | YS/UTS Ratio | : 0.892       |
| Max. Disp.  | : 70.100 mm   |              |               |
| Tensile Strength (Rm)   | : 707.638 MPa   |              |               |
| Elongation  | : 17.500 %  |              |               |
| Yield Load  | : 518,450.000 N   |              |               |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset   |   |              |               |
| Graph   | : Load Vs Displacement  |              |               |
| <p>Y0=0.000 X0=0.000</p>  |   |              |               |
| For HILL METALS EST   |   |              |               |
| <p>Arab Company - الشركة العربية<br/>For Laboratories and Soil - المختبرات والتربة<br/>C.R. 4030110556 - P.O. 147541<br/>جدة - الرياض</p> |   |              |               |

## Arab Company for Laboratories & Soil

Physical & Chemical Testing of Rebar

| Test Certificate   |   |
|--|---|
| Name of Company  | : HILL METALS EST   |
| Address  | : PRIVATE PROJECT   |
| To   | : JMQ18001256   |
| Address  | : JEDDAH  |
| Sample Identification  | : 32MM  |
| Machine  | : UMI Make Universal Testing Machine, 1000 kN   |
| Input Data   | : File Name : HILL METALS (32MM) S-9 , Record No. : 1 , Date : 30/05/2018<br>: Sample Type -- TMT , Area : 817.915 mm <sup>2</sup><br>: Length = 504.0 mm , Weight = 3.236 kg<br>: Gauge Length : 160 mm Final Gauge Length: 188 mm |
| Results of   | : Tension Test  |
| Maximum Force (Fm)   | : 588,350.000 N   |
| Yield Stress   | : 639.981 MPa   |
| Disp. at Fm  | : 48.800 mm   |
| YS/UTS Ratio   | : 0.890   |
| Max. Disp.   | : 63.300 mm   |
| Tensile Strength (Rm)  | : 719.329 MPa   |
| Elongation   | : 17.500 %  |
| Yield Load   | : 523,450.000 N   |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset  |   |
| Graph  | : Load Vs Displacement  |
| <p>Y0=0.000 X0=0.000</p>   |   |
| For HILL METALS EST  |   |
| <p>Arab Company for Laboratories and Soil<br/>الشركة العربية للتجارب والتربة<br/>C.P. 4030 Jeddah - K.S.A.   جدة - الرياض<br/>بالتفصيل</p> |   |

## Arab Company for Laboratories & Soil

Physical & Chemical Testing of Rebar

| Test Certificate   |  |
|--|--|
| Name of Company  | : HILL METALS EST  |
| Address  | : PRIVATE PROJECT  |
| To   | : JMQ18001256  |
| Address  | : JEDDAH   |
| Sample Identification  | : 32MM   |
| Machine  | : UMI Make Universal Testing Machine, 1000 kN  |
| Input Data   | : File Name : HILL METALS (32MM) S-10 , Record No. : 1 , Date : 30/05/2018<br>: Sample Type -- TMT , Area : 820.577 mm <sup>2</sup><br>: Length = 496.0 mm , Weight = 3.195 kg<br>: Gauge Length : 160 mm Final Gauge Length: 187 mm |
| Results of   | : Tension Test   |
| Maximum Force (Fm)   | : 589,150,000 N  |
| Yield Stress   | : 609.815 MPa  |
| Disp. at Fm  | : 50.400 mm  |
| YS/UTS Ratio   | : 0.849  |
| Max. Disp.   | : 65.600 mm  |
| Tensile Strength (Rm)  | : 717.970 MPa  |
| Elongation   | : 16.875 %   |
| Yield Load   | : 500,400,000 N  |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset  |  |
| Graph  | : Load Vs Displacement   |
| <p>Y0=0.000 X0=0.000</p>   |  |
| For HILL METALS EST  |  |
| <p>Arab Company<br/>                 الشركة العربية<br/>                 For Laboratories and Soil<br/>                 المختبرات والتربة<br/>                 C.R. 4030117488<br/>                 ج.م.ع. ٢٠١٨ ٥٨٦١<br/>                 جدة - المملكة العربية السعودية</p> |  |

## Arab Company for Laboratories & Soil

Physical & Chemical Testing of Rebar

| Test Certificate  |  |
|---|--|
| Name of Company   | : HILL METALS EST  |
| Address   | : PRIVATE PROJECT  |
| To  | : JMQ18001256  |
| Address   | : JEDDAH   |
| Sample Identification   | : 32MM   |
| Machine   | : UMI Make Universal Testing Machine, 1000 kN  |
| Input Data  | : File Name : HILL METALS (32MM) S-11 , Record No. : 1 , Date : 30/05/2018<br>: Sample Type -- TMT Area : 824.045 mm <sup>2</sup><br>: Length = 512.0 mm , Weight = 3.312 kg<br>: Gauge Length : 160 mm Final Gauge Length: 186 mm |
| Results of  | : Tension Test   |
| Maximum Force (Fm)  | : 584,900.000 N  |
| Yield Stress  | : 619.687 MPa  |
| Disp. at Fm   | : 51.300 mm  |
| YS/UTS Ratio  | : 0.873  |
| Max. Disp.  | : 70.100 mm  |
| Tensile Strength (Rm)   | : 709.792 MPa  |
| Elongation  | : 16.250 %   |
| Yield Load  | : 510,650.000 N  |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset |  |
| Graph   | : Load Vs Displacement   |
| <p>Y0=0.000 X0=0.000</p>  |  |
| For HILL METALS EST   |  |
|   |  |




## Arab Company for Laboratories & Soil

Physical & Chemical Testing of Rebar

| Test Certificate   |  |
|--|--|
| Name of Company  | : HILL METALS EST  |
| Address  | : PRIVATE PROJECT  |
| To   | : JMQ18001256  |
| Address  | : JEDDAH   |
| Sample Identification  | : 32MM   |
| Machine  | : UMI Make Universal Testing Machine, 1000 kN  |
| Input Data   | : File Name : HILL METALS (32MM) S-12 , Record No. : 1 , Date : 30/05/2018<br>: Sample Type -- TMT , Area : 820.080 mm <sup>2</sup><br>: Length = 505.0 mm , Weight = 3.251 kg<br>: Gauge Length : 160 mm Final Gauge Length: 187 mm |
| Results of   | : Tension Test   |
| Maximum Force (Fm)   | : 593,200.000 N  |
| Yield Stress   | : 626,708 MPa  |
| Disp. at Fm  | : 51.600 mm  |
| YS/UTS Ratio   | : 0.866  |
| Max. Disp.   | : 66.000 mm  |
| Tensile Strength (Rm)  | : 723.345 MPa  |
| Elongation   | : 16.875 %   |
| Yield Load   | : 513,950.000 N  |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset. |  |
| Graph  | : Load Vs Displacement   |
| <p>Y0=0.000 X0=0.000</p>   |  |
| For HILL METALS EST  |  |
|  |  |

## Arab Company for Laboratories & Soil

Physical & Chemical Testing of Rebar



### Test Certificate

Partners for Quality Construction

Name of Company : HILL METALS EST  
 Arab Company الشركة العربية PROJECT  
 For Laboratories and Soil المختبرات والتربة  
 No. 18001266  
 Address : JEDDAH  
 Sample Identification : 32MM  
 Machine : UMI Make Universal Testing Machine, 1000 kN

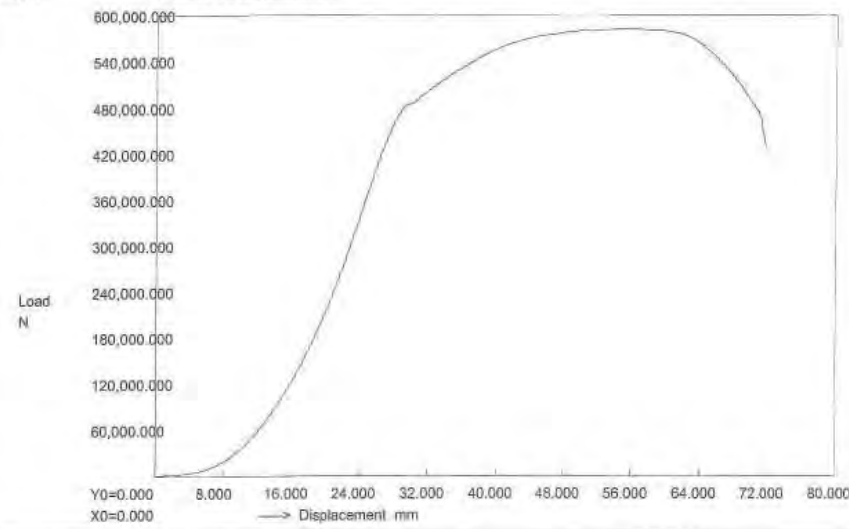
Input Data : File Name : HILL METALS (32MM) S-13 , Record No. : 1 , Date : 30/05/2018  
 : Sample Type -- TMT , Area : 820.526 mm<sup>2</sup>  
 : Length = 603.0 mm , Weight = 3.884 kg  
 : Gauge Length : 160 mm Final Gauge Length: 186 mm

Results of : Tension Test


|                                    |                            |
|------------------------------------|----------------------------|
| Maximum Force (Fm) : 581,400.000 N | Yield Stress : 613.631 MPa |
| Disp. at Fm : 54.800 mm            | YS/UTS Ratio : 0.866       |
| Max. Disp. : 71,700 mm             |                            |
| Tensile Strength (Rm): 708.570 MPa |                            |
| Elongation : 16.250 %              |                            |
| Yield Load : 503,500.000 N         |                            |

\* Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset

Graph : Load Vs Displacement



For HILL METALS EST



س.ت ٤٠٢-١٥٧٥٨٦ رقم العضوية ١٠٦٩٢٤ ص.ب ١٢٩٠-٥ جدة ٢١٢٨٢ هاتف ٩٦٦٦١٦٦٤٤٢٢ فاكس ٩٦٦٦٦٦٢٢٥٤٤  
 شركة ذات مسؤولية محدودة - رأس المال المدفوع ٥٦٦٢٥٠٠٠٠ ريال  
 C.R. 4030157586 J.C.C No.106934 - P.O.Box 132905, Jeddah 21382, Saudi Arabia.

## Arab Company for Laboratories & Soil

Physical & Chemical Testing of Rebar

| Test Certificate  |   |
|---|---|
| Name of Company   | : HILL METALS EST   |
| Address   | : PRIVATE PROJECT   |
| To  | : JMQ18001258   |
| Address   | : JEDDAH  |
| Sample Identification   | : 32MM  |
| Machine   | : UMI Make Universal Testing Machine, 1000 kN   |
| Input Data  | : File Name : HILL METALS (32MM) S-15 , Record No. : 1 , Date : 30/05/2018<br>: Sample Type – TMT , Area : 819,470 mm <sup>2</sup><br>: Length = 603.0 mm , Weight = 3.879 kg<br>: Gauge Length : 160 mm Final Gauge Length: 187 mm |
| Results of  | : Tension Test  |
| Maximum Force (Fm)  | : 576,350.000 N   |
| Yield Stress  | : 597.948 MPa   |
| Disp. at Fm   | : 53.400 mm   |
| YS/UTS Ratio  | : 0.850   |
| Max. Disp.  | : 69.400 mm   |
| Tensile Strength (Rm)   | : 703.321 MPa   |
| Elongation  | : 16.875 %  |
| Yield Load  | : 490,000.000 N   |
| * Note : Yield Calculated By Offset method as per ASTM E8 at .2 % Strain offset |   |
| Graph   | : Load Vs Displacement  |
| <p>Y0=0.000 X0=0.000</p>  |   |
| For HILL METALS EST   |   |
|   |   |

**Arab Company for Laboratories & Soil**  
Physical & Chemical Testing of Rebar



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For Laboratories and Soil للمختبرات والتربة

Partners for Quality Construction

**Bending Test**

|              |                 |                 |                         |
|--------------|-----------------|-----------------|-------------------------|
| Report No    | JMR18003832     | Report Date     | 29/May/2018             |
| Request No   | JMQ18001256     | Sample No.      | JMS18001478             |
| Client       | HILL METALS EST | Client Rep.     | Eng. Syed Abbas Hussain |
| Contractor   | HILL METALS EST | Contractor Rep. | Eng. Syed Abbas Hussain |
| Consultant   | N.P             | Consultant Rep. | N.P                     |
| Project      | Private         |                 |                         |
| Project Code | P20295          | Location        | N.P                     |

|                     |  |
|---------------------|--|
| Samples Description | Reinforcing Steel ISO 6935-2 - 32 B500 A-R |
| Sampled By          | Client's Rep.                              |
| Received By         | ACES' Rep.                                 |
| Date Received       | 29/May/2018                                |
| Test Description    | Bending Test of steel bar                  |
| Test Method         | ISO 15630-1                                |
| No. of Bars Tested  | 1  |
| Tested By           | ACES                                       |

| Specimen No | Diameter (mm) | Plunger Diameter (mm) | Load Position | Bending Angle (Degrees) | Remarks    |
|-------------|---------------|-----------------------|---------------|-------------------------|------------|
| 1           | 32            | 160                   | CENTER        | 180                     | Acceptable |

**SPECIFICATIONS REQUIREMENTS**

According to ISO 6935-2 standard, the test pieces should withstand being bent through 180 round a former of the diameter specified below. The specimens shall show no sign of fracture on visual examination when the samples are tested according to the following requirements:

| Nominal Diameter, d (mm) | Mandrel Diameter (Max) |
|--------------------------|------------------------|
| ≤ 16                     | 3d                     |
| 16 < d ≤ 32              | 6d                     |
| 32 < d ≤ 50              | 7d                     |

**Conclusions**

- As per bending test results and according to ISO 6935-2 Requirements, these samples satisfied the requirements of Grade B500 A-R Steel for bending test.



Arab Company for Laboratories and Soil

Eng. Ayman A. Tannmah  
Material Department Manager

Checked By: [Signature] Approved By: [Signature] Q.A. By: [Signature]

C.R. 4030157586 J.C.C No.106934 - P.O.Box 132905, Jeddah 21382, Saudi Arabia.



## Arab Company for Laboratories & Soil

Physical & Chemical Testing of Rebar



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Partners for Quality Construction

### Rebend Test

|              |                 |                 |                         |
|--------------|-----------------|-----------------|-------------------------|
| Report No    | JMR18003833     | Report Date     | 29/May/2018             |
| Request No   | JMQ18001256     | Sample No.      | JMS18001478             |
| Client       | HILL METALS EST | Client Rep.     | Eng. Syed Abbas Hussain |
| Contractor   | HILL METALS EST | Contractor Rep. | Eng. Syed Abbas Hussain |
| Consultant   | N.P             | Consultant Rep. | N.P                     |
| Project      | Private         |                 |                         |
| Project Code | P20295          | Location        | N.P                     |

|                     |  |
|---------------------|--|
| Samples Description | Reinforcing Steel ISO 6935-2 - 32 B500 A-R |
| Sampled By          | Client's Rep.                              |
| Received By         | ACES' Rep.                                 |
| Date Received       | 29/May/2018                                |
| Test Description    | Rebend Test of steel bar                   |
| Test Method         | ISO 15630-1                                |
| No. of Bars Tested  | 1  |
| Tested By           | ACES                                       |

| Specimen No | Diameter (mm) | Plunger Diameter (mm) | Load Position | Bending Angle (Degrees) | Remarks    |
|-------------|---------------|-----------------------|---------------|-------------------------|------------|
| 1           | 32            | 224                   | CENTER        | 180                     | Acceptable |

#### SPECIFICATIONS REQUIREMENTS

According to ISO 6935-2 standard, the test piece shall be bent over mandrel of the diameter specified in table below in accordance with ISO 15630-1:

| Nominal Diameter, d (mm) | Mandrel Diameter (Max) |
|--------------------------|------------------------|
| ≤ 16                     | 5d                     |
| 16 < d ≤ 25              | 8d                     |
| 25 < d ≤ 50              | 10d                    |

#### Conclusions

- As per rebend test results and according to ISO 6935-2 Requirements, these samples satisfied the requirements of Grade B500 A-R Steel for rebend test.



Arab Company for Laboratories and Soil

Eng. Ayman A. Tanniqah  
Material Department Manager

Checked By Approved By Q.A. By

C.R. 4030157586 J.C.C No.106934 - P.O.Box 132905, Jeddah 21382, Saudi Arabia.





## Arab Company for Laboratories & Soil

Physical & Chemical Testing of Rebar



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### TEST REPORT ON MEASUREMENT OF RIB PARAMETERS

Page 1 of 1

|                    |  |                  |               |
|--------------------|--|------------------|---------------|
| Client             | HILL METALS EST                            | Report No.       | JMR18003838   |
| Contractor         | HILL METALS EST                            | Date Reported    | 5/31/2018     |
| Consultant         | N.P  | Sample No.       | JMS18001478   |
| Project No.        | N.P  | Request No.      | JMQ18001256   |
| Project Name       | Private                                    | Client Reference | Verbal        |
| Sample Description | Reinforcing Steel ISO 6935-2 - 32 B500 A-R | Sampled By       | Client's Rep. |
| Manufacturer       | HILL METALS EST                            | Received By      | ACES' Rep.    |
| Batch No.          | N.P  | Date Received    | 5/29/2018     |
| No. of Tested Bars | 15   | Date Tested      | 5/29/2018     |
| Test Method        | ISO 15630-1                                | Tested By        | ACES          |

| Type of Test                               | Avg. Test Results | ISO 6935-2 Req. for Ribs of Uniform Height |
|--|-------------------|--|
| Rib Height, a (mm)                         | 3.3               | 1.6 mm Min.                                |
| Rib Spacing, c (mm)                        | 21                | 16 - 22.4 mm                               |
| Transverse-rib Inclination, $\beta$        | 50°               | 35° ≤ $\beta$ ≤ 90°                        |
| Transverse-rib Flank Inclination, $\alpha$ | 55°               | $\alpha$ ≥ 45°                             |
| Height of Longitudinal Ribs, (mm)          | 0.92              | 4.8 mm Max                                 |

#### Requirements For Rib As Per ISO 6935-2 (Table 3)

| Item Description                           | Nominal Dia. (mm)                  | Ribs of Uniform Height                             | Crescent-Shaped Ribs                               |
|--|------------------------------------|--|--|
| Rib Height, a (Minimum)                    | All                                | 0.05d  | 0.065d   |
| Rib Spacing, c (Range)                     | $\beta \leq d < 10$<br>$d \geq 10$ | $0.5d \leq c \leq 0.7d$<br>$0.5d \leq c \leq 0.7d$ | $0.5d \leq c \leq 1.0d$<br>$0.5d \leq c \leq 0.8d$ |
| Transverse-rib Inclination, $\beta$        | All                                | $35^\circ \leq \beta \leq 90^\circ$                | $35^\circ \leq \beta \leq 75^\circ$                |
| Transverse-rib Flank Inclination, $\alpha$ | All                                | $\alpha \geq 45^\circ$                             | $\alpha \geq 45^\circ$                             |
| Ribless Perimeter, $\Sigma f_i$ (Maximum)  | All                                | ---  | 0.25d <sub>r</sub>                                 |

Arab Company for Laboratories and Soil



Eng. Ayman Tannirah  
Material Department Manager

س.ت 4030157586 | رقم العضوية 106934 | ص.ب. 132905 جدة 21382 هاتف 49771771586 فاكس 49771770588  
شركة ذات مسؤولية محدودة - رأس المال للدفع 507700000 ريال

C.R. 4030157586 | C.C No.106934 - P.O.Box 132905, Jeddah 21382, Saudi Arabia.




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(UKCARES Independent Tests)



# MATIL

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|---|--|--|--|-------|--|
| <br>Çelik Test ve Araştırma Merkezi  | <b>MATİL Materials Testing &amp; Innovation Laboratories Co.</b>   |  |  |       |  |
| İstanbul Teknik Üniversitesi Ayazağa Yerleşkesi Reşitpaşa Mah. Katar Cad.<br>No:2 Maslak - Sarıyer / İSTANBUL   |  |  |  |       |  |
| <b>Test Report</b>  |  |  |  |       |  |
|   | <table border="1"> <tr><td>AB-1160-T</td></tr> <tr><td>N1902108</td></tr> <tr><td>02-19</td></tr> </table>                 | AB-1160-T  | N1902108   | 02-19 |  |
| AB-1160-T   |  |  |  |       |  |
| N1902108  |  |  |  |       |  |
| 02-19   |  |  |  |       |  |
| <b>Customer Name/ Address</b>   | Hill Metals Est.<br>Jeddah, Kingdom of Saudi Arabia  |  |  |       |  |
| <b>Certification Body</b>   | UK CARES<br>Pembroke House, 21, Pembroke Road, Sevenoaks, Kent, TN13 1XR   |  |  |       |  |
| <b>Project Number</b>   | -  |  |  |       |  |
| <b>Cares Report No</b>  | 19910  |  |  |       |  |
| <b>Purchase Order No / Date</b>   | 24511 / 11 <sup>th</sup> February 2019   |  |  |       |  |
| <b>Name and Identity of Test Item</b>   | Ø12mm Reinforcing Bar (GR60)   |  |  |       |  |
| <b>Sample Reference Number</b>  | 99197 (Cast No. HM32289), 99198 (Cast No. HM32290), 99199 (Cast No. HM32292)   |  |  |       |  |
| <b>Laboratory Test Item Code</b>  | N1902108-01 to N1902108-48   |  |  |       |  |
| <b>The Date of Receipt of Test Item</b>   | 15 <sup>th</sup> February 2019   |  |  |       |  |
| <b>Date of Test</b>   | 19 <sup>th</sup> February 2019   |  |  |       |  |
| <b>Applied Standard Method</b>  | ASTM A615 / A615M:2016, ASTM A370:2017   |  |  |       |  |
| <b>Page Number of the Report</b>  | 8  |  |  |       |  |
| <b>Remarks</b>  | Results belong to the corresponding cast numbers supplied on CARES Purchase Order. Samples are received in the laboratory. |  |  |       |  |
| MATİL A.Ş. accredited by TÜRKAK under AB-1160-T for TS EN ISO/IEC 17025:2017 as test laboratory<br>Turkish Accreditation Agency (TURKAK) is a signatory to the European co-operation for Accreditation (EA) Multilateral Agreement (MLA) and to the International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangement (MRA) for the recognition of test reports<br>The test and/or measurement results, the uncertainties (if applicable) with confidence probability and test methods are given on the following pages which are part of this report. |  |  |  |       |  |
| <b>Seal</b>   | <b>Date</b>  | <b>Person in Charge of Test</b>  | <b>Rewiever/Approved By</b>  |       |  |
|    | 19 <sup>th</sup> February 2019   | <br>Recep MENTE<br>Mechanic Lab.<br>Technician  | <br>Selahattin AKYOL<br>Mechanic Lab.<br>Technician       |       |  |
|   |  | <br>Muhammet SÖZER<br>Chemical Lab.<br>Resp.  | <br>Fatih AYDINOCAK<br>Microstructure Lab.<br>Technician |       |  |
|   |  |  | <br>Alper BAYRAK<br>Lab. Director                       |       |  |

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LFRM.22 / 24.12.2018-06

Page 1 / 8

# MATIL

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## Laboratory Test Results

AB-1160-T

N1902108

02-19

|                           |          |                       |       |
|---------------------------|----------|-----------------------|-------|
| <b>Matil Job Order No</b> | N1902108 |                       |       |
| <b>Cares Report No</b>    | 19910    | <b>Purchase Order</b> | 24511 |

|                                |  |
|--------------------------------|--|
| <b>Specimen Identification</b> | 3 sets of;   |
|                                | 10 Ø12mm reinforcing bar sample to ASTM A615 / A615M:2016 grade 60 identified by Cast Number HM32289 (Bar ID 1-10),  |
|                                | 10 Ø12mm reinforcing bar sample to ASTM A615 / A615M:2016 grade 60 identified by Cast Number HM32290 (Bar ID 11-20), |
|                                | 10 Ø12mm reinforcing bar sample to ASTM A615 / A615M:2016 grade 60 identified by Cast Number HM32292 (Bar ID 21-30), |

### Tests details;

Mechanical tests carried out as delivered condition according to ASTM A370:2017 test standard & ASTM A615 / A615M:2016

A<sub>200</sub> is measured manually according to ASTM A615 / A615M:2016

Bend tests carried out according to ASTM A615 / A615M:2016

Geometrical Properties measured by ECM according to ASTM A615 / A615M:2016

Product chemical analysis carried out by an optical spectrometer in accordance with ASTM E415:2017.

Macrostructure evaluation carried out according to Matil Metallographic sample preparation analysis instruction LSCT 08

# MATIL

(UKCARES Independent Tests)



MATIL Materials Testing & Innovation Laboratories Co.



AB-1160-T

N1902108

02-19

## Laboratory Test Results

### MECHANICAL TESTS

| <b>Date of Test</b>     |           |                                |                               | 19 <sup>th</sup> February 2019          |  |                                   |                                      |                               |
|-------------------------|-----------|--------------------------------|-------------------------------|---|--|-----------------------------------|--------------------------------------|-------------------------------|
| <b>Product Standard</b> |           | ASTM A615 / A615M:2016         |                               |   | <b>Test Standard</b>                     |                                   | ASTM A370:2017                       |                               |
| <b>Cast Number</b>      |           |                                |                               | HM32289                                 |  |                                   |                                      |                               |
| Specimen No             | Bar ID No | Weight Per Meter (Actual) kg/m | Area (Actual) mm <sup>2</sup> | 0.2% Proof Stress R <sub>p0.2</sub> MPa | Upper Yield Strength R <sub>eH</sub> MPa | Tensile Stress R <sub>m</sub> MPa | Ratio R <sub>m</sub> /R <sub>p</sub> | Elongation A <sub>200</sub> % |
| N1902108-01             | 1         | 0,835                          | 106,4                         | 520                                     | 520                                      | 650                               | 1,25                                 | 12,0                          |
| N1902108-02             | 2         | 0,854                          | 108,8                         | 557                                     | 576                                      | 686                               | 1,23                                 | 11,8                          |
| N1902108-03             | 3         | 0,838                          | 106,8                         | 530                                     | 530                                      | 651                               | 1,23                                 | 12,5                          |
| N1902108-04             | 4         | 0,840                          | 107,0                         | 566                                     | 574                                      | 697                               | 1,23                                 | 12,2                          |
| N1902108-05             | 5         | 0,852                          | 108,5                         | 570                                     | 571                                      | 691                               | 1,21                                 | 12,0                          |
| N1902108-06             | 6         | 0,839                          | 106,9                         | 574                                     | 575                                      | 705                               | 1,23                                 | 12,7                          |
| N1902108-07             | 7         | 0,854                          | 108,8                         | 514                                     | 519                                      | 656                               | 1,28                                 | 12,8                          |
| N1902108-08             | 8         | 0,846                          | 107,8                         | 567                                     | 566                                      | 698                               | 1,23                                 | 12,0                          |
| N1902108-09             | 9         | 0,836                          | 106,5                         | 558                                     | 559                                      | 693                               | 1,24                                 | 11,5                          |
| N1902108-10             | 10        | 0,852                          | 108,5                         | 498                                     | 505                                      | 643                               | 1,29                                 | 14,0                          |
| <b>Mean</b>             |           | <b>0,845</b>                   | <b>107,6</b>                  | <b>545</b>                              | <b>550</b>                               | <b>677</b>                        | <b>1,24</b>                          | <b>12,3</b>                   |
| <b>Std. Dev.</b>        |           | <b>0,008</b>                   | <b>1,00</b>                   | <b>27,33</b>                            | <b>27,66</b>                             | <b>23,94</b>                      | <b>0,024</b>                         | <b>0,71</b>                   |

| <b>Product Standard</b> |           | ASTM A615 / A615M:2016         |                               |   | <b>Test Standard</b>                     |                                   | ASTM A370:2017                       |                               |
|-------------------------|-----------|--------------------------------|-------------------------------|---|--|-----------------------------------|--------------------------------------|-------------------------------|
| <b>Cast Number</b>      |           |                                |                               | HM32290                                 |  |                                   |                                      |                               |
| Specimen No             | Bar ID No | Weight Per Meter (Actual) kg/m | Area (Actual) mm <sup>2</sup> | 0.2% Proof Stress R <sub>p0.2</sub> MPa | Upper Yield Strength R <sub>eH</sub> MPa | Tensile Stress R <sub>m</sub> MPa | Ratio R <sub>m</sub> /R <sub>p</sub> | Elongation A <sub>200</sub> % |
| N1902108-11             | 11        | 0,848                          | 108,0                         | 563                                     | 559                                      | 689                               | 1,22                                 | 11,8                          |
| N1902108-12             | 12        | 0,842                          | 107,3                         | 577                                     | 590                                      | 709                               | 1,23                                 | 13,1                          |
| N1902108-13             | 13        | 0,838                          | 106,8                         | 572                                     | 577                                      | 699                               | 1,22                                 | 12,7                          |
| N1902108-14             | 14        | 0,844                          | 107,5                         | 537                                     | 537                                      | 673                               | 1,25                                 | 13,0                          |
| N1902108-15             | 15        | 0,843                          | 107,4                         | 543                                     | 543                                      | 677                               | 1,25                                 | 14,0                          |
| N1902108-16             | 16        | 0,843                          | 107,4                         | 535                                     | 551                                      | 676                               | 1,26                                 | 13,5                          |
| N1902108-17             | 17        | 0,845                          | 107,6                         | 516                                     | 511                                      | 658                               | 1,28                                 | 14,0                          |
| N1902108-18             | 18        | 0,840                          | 107,0                         | 538                                     | 543                                      | 672                               | 1,25                                 | 12,5                          |
| N1902108-19             | 19        | 0,854                          | 108,8                         | 523                                     | 526                                      | 665                               | 1,27                                 | 13,0                          |
| N1902108-20             | 20        | 0,855                          | 108,9                         | 577                                     | 571                                      | 697                               | 1,21                                 | 13,5                          |
| <b>Mean</b>             |           | <b>0,845</b>                   | <b>107,7</b>                  | <b>548</b>                              | <b>551</b>                               | <b>681</b>                        | <b>1,24</b>                          | <b>13,1</b>                   |
| <b>Std. Dev.</b>        |           | <b>0,006</b>                   | <b>0,71</b>                   | <b>22,48</b>                            | <b>23,95</b>                             | <b>16,32</b>                      | <b>0,023</b>                         | <b>0,68</b>                   |

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LFRM.22 / 24.12.2018-06 Page 3 / 8

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MATIL Materials Testing & Innovation Laboratories Co.



AB-1160-T

N1902108

02-19

## Laboratory Test Results

| Product Standard |           | ASTM A615 / A615M:2016         |                               |  | Test Standard                            |                                   | ASTM A370:2017                       |                               |  |
|------------------|-----------|--------------------------------|-------------------------------|--|--|-----------------------------------|--------------------------------------|-------------------------------|--|
| Cast Number      |           |                                |                               |  | HM32292                                  |                                   |                                      |                               |  |
| Specimen No      | Bar ID No | Weight Per Meter (Actual) kg/m | Area (Actual) mm <sup>2</sup> | 0.2%Proof Stress R <sub>p0.2</sub> MPa | Upper Yield Strength R <sub>eH</sub> MPa | Tensile Stress R <sub>m</sub> MPa | Ratio R <sub>m</sub> /R <sub>p</sub> | Elongation A <sub>200</sub> % |  |
| N1902108-21      | 21        | 0,840                          | 107,0                         | 610                                    | 606                                      | 726                               | 1,19                                 | 12,5                          |  |
| N1902108-22      | 22        | 0,844                          | 107,5                         | 560                                    | 573                                      | 699                               | 1,25                                 | 13,5                          |  |
| N1902108-23      | 23        | 0,840                          | 107,0                         | 557                                    | 562                                      | 686                               | 1,23                                 | 12,0                          |  |
| N1902108-24      | 24        | 0,850                          | 108,3                         | 555                                    | 562                                      | 690                               | 1,24                                 | 13,0                          |  |
| N1902108-25      | 25        | 0,851                          | 108,4                         | 568                                    | 565                                      | 699                               | 1,23                                 | 12,5                          |  |
| N1902108-26      | 26        | 0,844                          | 107,5                         | 544                                    | 546                                      | 676                               | 1,24                                 | 13,0                          |  |
| N1902108-27      | 27        | 0,839                          | 106,9                         | 540                                    | 543                                      | 676                               | 1,25                                 | 13,0                          |  |
| N1902108-28      | 28        | 0,840                          | 107,0                         | 575                                    | 578                                      | 708                               | 1,23                                 | 13,5                          |  |
| N1902108-29      | 29        | 0,850                          | 108,3                         | 546                                    | 561                                      | 684                               | 1,25                                 | 13,5                          |  |
| N1902108-30      | 30        | 0,848                          | 108,0                         | 538                                    | 533                                      | 665                               | 1,24                                 | 12,5                          |  |
| <b>Mean</b>      |           | <b>0,845</b>                   | <b>107,6</b>                  | <b>559</b>                             | <b>563</b>                               | <b>691</b>                        | <b>1,24</b>                          | <b>12,9</b>                   |  |
| <b>Std. Dev.</b> |           | <b>0,005</b>                   | <b>0,61</b>                   | <b>21,48</b>                           | <b>20,48</b>                             | <b>17,77</b>                      | <b>0,018</b>                         | <b>0,52</b>                   |  |

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LFRM.22 / 24.12.2018-06

Page 4 / 8

# MATIL

(UKCARES Independent Tests)



MATIL Materials Testing & Innovation Laboratories Co.



AB-1160-T

N1902108

02-19

## Laboratory Test Results

### BEND - REBEND TEST

|                         |                                |                      |                |
|-------------------------|--------------------------------|----------------------|----------------|
| <b>Product Standard</b> | ASTM A615 / A615M:2016         | <b>Test Standard</b> | ASTM A370:2017 |
| <b>Date of Test</b>     | 19 <sup>th</sup> February 2019 |                      |                |

### Bend Result (3,5d former)

| Specimen No. | Cast Number | Bar ID | Bending Angle | Rebending Angle | Artificial Aging |               | Result |
|--------------|-------------|--------|---------------|-----------------|------------------|---------------|--------|
|              |             |        |               |                 | Temperature °C   | Duration min. |        |
| N1902108-31  | HM32289     | 1      | 180           | -               | -                | -             | OK     |
| N1902108-32  | HM32289     | 2      | 180           | -               | -                | -             | OK     |
| N1902108-33  | HM32289     | 3      | 180           | -               | -                | -             | OK     |

### Bend Result (3,5d former)

| Specimen No. | Cast Number | Bar ID | Bending Angle | Rebending Angle | Artificial Aging |               | Result |
|--------------|-------------|--------|---------------|-----------------|------------------|---------------|--------|
|              |             |        |               |                 | Temperature °C   | Duration min. |        |
| N1902108-34  | HM32290     | 11     | 180           | -               | -                | -             | OK     |
| N1902108-35  | HM32290     | 12     | 180           | -               | -                | -             | OK     |
| N1902108-36  | HM32290     | 13     | 180           | -               | -                | -             | OK     |

### Bend Result (3,5d former)

| Specimen No. | Cast Number | Bar ID | Bending Angle | Rebending Angle | Artificial Aging |               | Result |
|--------------|-------------|--------|---------------|-----------------|------------------|---------------|--------|
|              |             |        |               |                 | Temperature °C   | Duration min. |        |
| N1902108-37  | HM32292     | 21     | 180           | -               | -                | -             | OK     |
| N1902108-38  | HM32292     | 22     | 180           | -               | -                | -             | OK     |
| N1902108-39  | HM32292     | 23     | 180           | -               | -                | -             | OK     |

# MATIL

(UKCARES Independent Tests)



MATIL Materials Testing & Innovation Laboratories Co.



## Laboratory Test Results

AB-1160-T

N1902108

02-19

### PRODUCT CHEMICAL ANALYSIS

|                         |                                |                      |           |
|-------------------------|--------------------------------|----------------------|-----------|
| <b>Product Standard</b> | ASTM A615 / A615M:2016         | <b>Test Standard</b> | ASTM E415 |
| <b>Date of Test</b>     | 19 <sup>th</sup> February 2019 |                      |           |

| Specimen No.           | N1902108-40 | N1902108-41 | N1902108-42 |
|------------------------|-------------|-------------|-------------|
| <b>Cast Number</b>     | HM32289     | HM32290     | HM32292     |
| <b>Bar ID</b>          | 1           | 11          | 21          |
| Carbon <b>C</b> %      | 0,24        | 0,26        | 0,26        |
| Silicon <b>Si</b> %    | 0,22        | 0,26        | 0,24        |
| Manganese <b>Mn</b> %  | 0,58        | 0,66        | 0,67        |
| Phosphorus <b>P</b> %  | 0,029       | 0,026       | 0,032       |
| Sulphur <b>S</b> %     | 0,035       | 0,031       | 0,044       |
| Copper <b>Cu</b> %     | 0,25        | 0,25        | 0,33        |
| Nickel <b>Ni</b> %     | 0,07        | 0,07        | 0,08        |
| Chromium <b>Cr</b> %   | 0,15        | 0,14        | 0,22        |
| Molybdenum <b>Mo</b> % | 0,011       | 0,010       | 0,015       |
| Tin <b>Sn</b> %        | 0,011       | 0,011       | 0,028       |
| Vanadium <b>V</b> %    | 0,003       | 0,003       | 0,004       |
| Bor <b>B</b> %         | 0,00080     | 0,00081     | 0,00123     |
| Nitrogen <b>N</b> %    | 0,0080      | 0,0079      | 0,0084      |
| Aluminum <b>Al</b> %   | 0,0002      | 0,0001      | 0,0041      |
| Lead <b>Pb</b> %       | 0,0001      | 0,0001      | 0,0001      |

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Page 6 / 8

# MATIL

(UKCARES Independent Tests)



MATIL Materials Testing & Innovation Laboratories Co.



## Laboratory Test Results

AB-1160-T

N1902108

02-19

### RIB GEOMETRY

|                         |                                |                      |                        |
|-------------------------|--------------------------------|----------------------|------------------------|
| <b>Product Standard</b> | ASTM A615 / A615M:2016         | <b>Test Standard</b> | ASTM A615 / A615M:2016 |
| <b>Date of Test</b>     | 19 <sup>th</sup> February 2019 |                      |                        |

| Specimen No.                           | N1902108-43   |              |              |             | N1902108-44   |              |              |             | N1902108-45   |              |              |             |
|--|---------------|--------------|--------------|-------------|---------------|--------------|--------------|-------------|---------------|--------------|--------------|-------------|
| <b>Cast Number</b>                     | HM32289       |              |              |             | HM32290       |              |              |             | HM32292       |              |              |             |
| <b>Bar ID</b>                          | 1             |              |              |             | 11            |              |              |             | 21            |              |              |             |
| <b>Longitudinal rib height<br/>mm</b>  | 0,31          | 0,37         |              |             | 0,58          | 0,61         |              |             | 0,75          | 0,82         |              |             |
|  | Avg. 0,34     |              |              |             | Avg.0,60      |              |              |             | Avg.0,79      |              |              |             |
| <b>Rib height<br/>mm</b>               | <b>Center</b> | <b>(1/4)</b> | <b>(3/4)</b> | <b>Mean</b> | <b>Center</b> | <b>(1/4)</b> | <b>(3/4)</b> | <b>Mean</b> | <b>Center</b> | <b>(1/4)</b> | <b>(3/4)</b> | <b>Mean</b> |
|  | 0,77          | 0,53         | 0,56         | 0,63        | 0,79          | 0,47         | 0,59         | 0,62        | 0,80          | 0,50         | 0,63         | 0,64        |
| <b>Rib distance (c)<br/>mm</b>         | 8,3           |              |              |             | 8,3           |              |              |             | 8,4           |              |              |             |
| <b>Inclin. beta<br/>°</b>              | 54            |              |              |             | 55            |              |              |             | 56            |              |              |             |
| <b>Inclin. alpha<br/>°</b>             | 48            |              |              |             | 49            |              |              |             | 50            |              |              |             |
| <b>Row distance (maks. Gap)<br/>mm</b> | 1,84          |              |              |             | 1,84          |              |              |             | 1,94          |              |              |             |

**MATIL**  
(UKCARES Independent Tests)



MATIL Materials Testing & Innovation Laboratories Co.



**Laboratory Test Results**

|           |
|-----------|
| AB-1160-T |
| N1902108  |
| 02-19     |

**MACROSTRUCTURE**

|                               |   |                      |   |
|-------------------------------|---|----------------------|---|
| <b>Product Standard</b>       | ASTM A615 / A615M:2016  | <b>Test Standard</b> | - |
| <b>Date of Test</b>           | 19 <sup>th</sup> February 2019  |                      |   |
| <b>Macrostructure Comment</b> | Ø12mm Rebar, 1 sample from each heat has been etched to reveal macrostructure. All 3 structures are satisfactory. |                      |   |

|                     |             |                     |             |                     |             |
|---------------------|-------------|---------------------|-------------|---------------------|-------------|
| <b>Specimen No.</b> | N1902108-46 | <b>Specimen No.</b> | N1902108-47 | <b>Specimen No.</b> | N1902108-48 |
| <b>Cast Number</b>  | HM32289     | <b>Cast Number</b>  | HM32290     | <b>Cast Number</b>  | HM32292     |
| <b>Bar ID</b>       | 1           | <b>Bar ID</b>       | 11          | <b>Bar ID</b>       | 21          |



**Statements of compliance:**

The specimens tested comply with the requirements ASTM A615 / A615M:2016 Grade 60.

**End of report**





AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد

# Consultants Approvals

HHR-QF-SCA Rev. 2 FORM 15.100 Form 15.100

|  |  |                                    |
|--|--|------------------------------------|
| Al Haramain High Speed Rail<br>Phase 1 Package 1<br>Proj. No. : S08139 | <b>EMPLOYER :</b><br><br>المؤسسة العامة للخطوط الحديدية<br>Saudi Railways Organization | Request No.<br>HHR-PMO-SCA-0334-02 |
| <b>ENGINEER :</b><br><br>dar al-handasah<br>your and partners          | <b>CONTRACTOR :</b><br><br>Al Rajhi Alliance<br>for Haramain High Speed Rail Link      | Date<br>1-Oct-14                   |

**Supplier / Sub-Contractor's Approval**

1. Supplier / Sub-Contractor's Particulars  Supplier  Sub-Contractor

Company Name : **HILL Metals Est.**

Company Line or works : Manufacturer & Supplier of Reinforcing Steel Bar ASTM A615 Grade 60 Sizes from 12mm up to 32mm dia.

Address : Jeddah K.S.A. Tel: 02 6359000 Fax: 02 635494

The following prequalifying documents should be enclosed :

Commercial Register   
  Founding Contract   
  Summary of Experience   
  Financial Statements  
 Present works   
  Company Staff   
  MOT Approved   
  Company Equipment

2. Scope of Works

Section of the Works : HHR Alignment Project (Reinforcing Steel Bar ASTM A615 Grade 60 Sizes from 12mm up to 32mm dia. For All Structures)

BOQ Items : 50,201

Total Value of Supplier : In Contract Rates

Cumulative Value of Supplier : Contracted Works To Date 16 OCT 2014

Submitted by : Engr. Abdul Wahab Al-Shawaf Signator: Date: 1-Oct-14

3. Engineer's Representative comments
 

|  |
|--|
| <input type="checkbox"/> Approved (Code A)                     |
| <input checked="" type="checkbox"/> Approved As Noted (Code B) |
| <input type="checkbox"/> Revise & Resubmit (Code C)            |
| <input type="checkbox"/> Rejected (Code D)                     |

1- Hill Metals Est. can be used as an approved reinforcement steel Rebar source.

2- Material delivered to site are subjected to Physical and Chemical testing.





3- A copy of this approval and a copy of manufacturer's mill certificate should be attached with inspection request of material delivered to site.

Signature: Date: 16/10/2014

HHR-ACC-SCA-0142-01

| <b>THE KINGDOM TOWER, JEDDAH</b>  |  |  |                                      |                           |                   |
|---|--|--|--------------------------------------|---------------------------|-------------------|
| <b>Document Submittal Review Sheet</b>  |  |  |                                      |                           |                   |
| <b>Project No. S11081</b>   |  | <b>Jeddah Economic Company</b>   |                                      | <b>Date : 27-Jul-2015</b> |                   |
| <b>SECTION A - Submittal Details :</b>  |  |  |                                      |                           |                   |
| <b>Submittal Number :</b> P1227-DOC-CPQ-240 Rev.4   |  |  |                                      |                           |                   |
| <b>Submittal Title :</b> Steel Rebars of Grades and Sizes by Messrs Hill Metals   |  |  |                                      |                           |                   |
| <b>Submittal Category :</b> Pre-Qualification   |  |  |                                      |                           |                   |
| <b>Issuer :</b> Dar Al-Handasah (Shair and Partners)  |  |  |                                      |                           |                   |
| <b>Recipient :</b>  |  |  |                                      |                           |                   |
| <b>B.O.Q. Item(s) :</b>   |  |  | <b>Specs :</b> General               |                           |                   |
| <b>Drawing(s) Reference:</b> P1227-DOC-CPQ-240-R.04   |  |  | <b>Discipline:</b> SE - Structural   |                           |                   |
| <b>Area of Application :</b> PODIUM   |  |  | <b>Action Required:</b> For Approval |                           |                   |
|    |  |  |                                      |                           |                   |
| <b>SECTION B - Submittal History :</b>  |  |  |                                      |                           |                   |
| <b>Rev</b>  | <b>Description</b>                                 | <b>Trans. No</b>   | <b>Submission Date</b>               | <b>Reply Date</b>         | <b>Status</b>     |
| 04  | Steel Rebars of Grades and Sizes by Messrs Hill Me | 02255  | 02-Jul-2015                          | 27-Jul-2015               | Approved As Noted |
| 03  | Steel Rebars of Grades and Sizes by Messrs Hill Me | 01742  | 12-Apr-2015                          | 27-Apr-2015               | Revise & Resubmit |
| 02  | Steel Rebars of Grades and Sizes by Messrs Hill Me | 1622   | 18-Mar-2015                          | 26-Mar-2015               | Revise & Resubmit |
| 01  | Steel Rebars of Grades and Sizes by Messrs Hill Me | 01342  | 14-Jan-2015                          | 29-Jan-2015               | Revise & Resubmit |
| 00  | Steel Rebars of Grades and Sizes by Messrs Hill Me | 01288  | 31-Dec-2014                          | 04-Jan-2015               | Revise & Resubmit |
| <b>SECTION C - Submittal Review / Comments :</b>  |  |  |                                      |                           |                   |
| <p>The updated chemical analysis conducted at MTL laboratory for the rebars (14 to 25 mm diameters) are satisfactory and matching with the mill certificates. Thus Hill Metals can be an approved source for supplying reinforcing bars (Grade 60) to be used in the PODIUM AREA only. Before being used, samples from the first steel consignment delivered to Site are to be collected and tested in our presence for checking mechanical, physical (bending), and chemical properties. Routine testing of the steel reinforcement will be performed as Work progresses and in line with specified frequency and/or as agreed upon with the Contractor.</p> |  |  |                                      |                           |                   |
| <b>SECTION D - Reviewer Action Code :</b>   |  |  |                                      |                           |                   |
| <input type="checkbox"/> A - Approved   |  | <input type="checkbox"/> C - Revise and Resubmit   |                                      |                           |                   |
| <input checked="" type="checkbox"/> B - Approved As Noted   |  | <input type="checkbox"/> D - Rejected  |                                      |                           |                   |
| <b>SECTION E - Engineer Representative Approval For Submission :</b>  |  |  |                                      |                           |                   |
| <b>Name :</b> Jamal Sakr  | <b>Position :</b> Assistant Project Manager        | <b>Signature:</b>  | <b>Date :</b> 27-Jul-2015            |                           |                   |
| <p>Approval shall not relieve the Contractor of its obligation and liabilities under the Contract nor constitute authorization of any change to Contract Documents and therefore shall not imply any recognition whatsoever of additional time or cost to the contract.</p>   |  |  |                                      |                           |                   |
| Primavera Contract Management ©   |  | T1:02255 / Page 1 of 1   |                                      | P1227-DOC-CPQ-240 Rev.4   |                   |
| Form : ER0_F_1.01_JEC_03  |  |  |                                      |                           |                   |



|  |   |  |   |
|--|---|--|---|
| HHR-QF-SCA Rev. 1  |   | Form 15.100  |   |
| <b>Al Haramain High Speed Rail Tunnel</b><br>Proj. No. : <b>S08139</b>   |   | EMPLOYER:<br><br>المؤسسة العامة للخطوط الحديدية<br>Saudi Railways Organization | Request No.<br><b>HHR-T-SPA-CV-0008-R00</b> |
| ENGINEER :<br><br>dar al-handasah<br>when and partners  | CONTRACTOR :<br><br>almabani<br>GENERAL CONTRACTORS CO. | Date<br><b>31-Oct-16</b>   |   |
| <b>SUB-CONTRACTOR / SUPPLIER APPROVAL</b>  |   |  |   |
| <b>1. SUB-CONTRACTOR / SUPPLIER PARTICULARS</b>  |   |  |   |
| Company Name :   |   | HILL METALS ESTABLISHMENT  |   |
| Company Line or works :  |   | Steel Productions  |   |
| Address :  |   | Block 19, Al Khumra Industrial Area - Jeddah KSA   |   |
| The following prequalifying documents should be enclosed :   |   |  |   |
| <input checked="" type="checkbox"/>  | Commercial Register   | <input checked="" type="checkbox"/>  | Founding Contract                           |
| <input checked="" type="checkbox"/>  | Summary of Experience   | <input checked="" type="checkbox"/>  | Financial Status                            |
| <input checked="" type="checkbox"/>  | Present Works   | <input checked="" type="checkbox"/>  | Company Staff                               |
|  |   | <input checked="" type="checkbox"/>  | Company Equipment                           |
|   |   |  |   |
| <b>2. SUB-CONTRACTED WORKS</b>   |   |  |   |
| Section of the Works :   |   | Supply of Reinforcement Steel  |   |
| BOQ Items :  |   | 50201.00   |   |
| Total Value of Sub-Contract (in Contract Rates) :  |   | N/A  |   |
| Cumulative Value of Sub-Contracted works to-date (in Contract Rates) :   |   | N/A  |   |
| Submitted by : ENGR. SAMI SINDAHA  |   | Signature <i>Sindaha</i> 31.10.2016  |   |
| <b>3. ENGINEER'S COMMENTS</b>  |   |  |   |
| 1- Hill Metals Est. is an acceptable reinforcement steel supplier.<br>2- Prior to starting to import any product from this source, a submittal for approval of material should be submitted, this submittal should include an updated steel Mill certificate from the steel manufacturer's, and an updated test certificate from an independent lab on all proposed rebar sizes to be used from this source. |   | Approved (Code A)  |   |
|  |   | <input checked="" type="checkbox"/> Approved as Noted (Code B)   |   |
|  |   | Revise & resubmit (Code C)   |   |
|  |   | Rejected (Code D)  |   |
| Signature <i>Ali Khan</i>  |   | DATE: 2/11/2016  |   |

SALINE WATER CONVERSION CORPORATION  
JUBAIL RIYADH WATER TRANSMISSION SYSTEM  
CONTRACTOR NAME  
Project No. 30403



JACOBS ZATE



شركة الراشد للتجارة والمقاولات  
AL-RASHID TRADING & CONTRACTING CO.

APPLICATION FOR MATERIAL APPROVAL

| FROM |    |    |  |
|------|----|----|--|
| RR   | SR | EH |  |
| RF   | SF | ER |  |
| SH   | SW | EF |  |
| NH   |    |    |  |

| TO |    |    |  |
|----|----|----|--|
| RR | SR | EH |  |
| RF | SF | ER |  |
| SH | SW | EF |  |
|    |    |    |  |

- H - 0035

|                 |                |
|-----------------|----------------|
| DATE            | March 21, 2019 |
| YOUR REF. NO.   |                |
| MAT'L. REF. NO. | AMA-C-0004     |
| FILE NO.        | ZG31           |

|  |  |  |  |
|--|--|--|--|
| CONTRACTOR:                                |  | Al Rashid Trading and Contracting Co. (RTCC)   |  |
| DESCRIPTION OF MATERIAL                    |  | Reinforcement Steel  |  |
| PLACE OF APPLICATION/LOCATION              |  | Pipeline B1 & B2   |  |
| SUPPORTING DOCUMENTATION                   |  | PLACE OF ORIGIN OF MATERIAL  | <input checked="" type="checkbox"/> SAUDI ARABIA <input type="checkbox"/> OTHERS |
|  |  | PRODUCT TECHNICAL DATA   | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO              |
| NAME & ADDRESS OF SUPPLIER                 |  | Hill Metal Establishment<br>Bick 19, Al-Khumra Industrial Area, Jeddah 21331, K.S.A.   | TEL : +966 2 6359000/6086 785-86<br>FAX : +966 2 6085494                         |
| NAME & ADDRESS OF MANUFACTURER             |  | Hill Metal Establishment<br>Bick 19, Al-Khumra Industrial Area, Jeddah 21331, K.S.A.   | TEL : +966 2 6359000/6086 785-86<br>FAX : +966 2 6085494                         |
| VENDOR'S APPROVAL                          |  | <input type="checkbox"/> APPROVED BY S.W.C.C * <input checked="" type="checkbox"/> NOT REQUIRED  |  |
| CONTRACT SPECIFICATION No. :               |  | VOLUME & ARTICLE No.   | VOLUME IX-Specification C07  |
| REFERENCE                                  |  | TITLE  | Concrete and Reinforcement   |
| ATTACHMENT SUBMITTED                       |  | <input checked="" type="checkbox"/> REGISTERED CERTIFICATES <input checked="" type="checkbox"/> CATALOGUE <input type="checkbox"/> OTHER RELEVANT DRAWINGS<br><input checked="" type="checkbox"/> PHOTOGRAPHS <input checked="" type="checkbox"/> SAMPLE <input type="checkbox"/> OTHERS |  |
| CONTACT PERSON                             |  | Anas Saad  | TEL : +966 530941523<br>+966 11 416 4111 Ext.1586                                |
| CONTRACTOR :                               |  | SIGNATURE :  | DATE :   |
| Engr. Bashar Salah                         |  |  | March 21, 2019   |
| JACOBS                                     |  |  |  |
| CHECKED BY : Steve Gibson                  |  | FILE No. _____   | MATERIAL No. AMA-C-0004_A  |
| STATUS                                     |  | <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> APPROVED WITH COMMENTS AS STATED BELOW   |  |
|  |  | <input type="checkbox"/> DISAPPROVED FOR REASONS STATED BELOW  |  |
| ENGINEER'S COMMENTS :<br>Note is attached. |  |  |  |
| DATE : 01 April 2019                       |  |  |  |
| S.W.C.C.:                                  |  | <input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> APPROVED WITH COMMENTS<br><input type="checkbox"/> DISAPPROVED   |  |
| SWCC COMMENTS :<br>see Attached comments   |  |  |  |
| DATE :<br>M. Alamu                         |  |  |  |

\* Contractor is fully responsible for any deviation other than those declare above and approved by the client

|   |  |  |                          |
|---|--|--|--------------------------|
| Kingdom of Saudi Arabia<br>Security Planning and Development Agency - KAP4 Project  |  |  |                          |
| <br>Ministry of Interior   | <br>PROGER Engineering & Management | <br>Al Rashid Trading & Contracting                            | 23 2 111<br>10 - 1<br>44 |
| Project Name: Dormitories 2 <sup>nd</sup> Model (Jeddah)  |  | Submittal No. KAP4 - MAT - 118 - HCXX - CI - 0024  |                          |
| Project No.: 1400   |  | Rev. 0   |                          |
| To: Project Manager - Proger Head Office  |  | Date: 22-Feb-14  |                          |
| <b>Document / Material / Sub-Contractor / Supplier Submittal</b>  |  |  |                          |
| Discipline: ( CI ) <input type="checkbox"/> Document <input checked="" type="checkbox"/> Material <input type="checkbox"/> Sub-Contractor <input type="checkbox"/> Supplier / Manufacturer  |  |  |                          |
| Attachments: <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification<br><input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( ) |  |  |                          |
| Submitted for: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review & Comment <input type="checkbox"/> As Requested  |  |  |                          |
| Copies  | Document; Material / Manufacturer Supplier Sub-contractor Identification   | Description  | Reference Specs #        |
| 3   | Deformed Steel Bars dia 12mm to 32 mm  | Steel re-inforcement, de-formed steel bars accordance with ASTM 615 Gr. 60   | 03200                    |
|   |  |  | Reference BOQ #          |
|   |  |  | 03300                    |
| Manufacturer's / Supplier's Data:   |  | Supplier - 1   | Supplier - 2             |
| Name:   |  | M/s Hill Metals Est  |                          |
| Address:  |  | Jeddah-KSA   |                          |
| Phone:  |  | 012-635-9000   |                          |
| Fax:  |  | 012-608-5494   |                          |
| Other Information   |  | QC Contact # 059-656-0723  |                          |
| To be used for:   |  | <br>Engr. Mustafa Iqbal Nefthi, Procurement Division Manager |                          |
| Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.<br>Remarks: ① Provide documentation of the previous approval (samples)<br>② provide original copy of the catalogs.<br>Note: Refer to our letter No KAP4/N/RTCC/2013/TEC/0000020 dated 31/10/2013 and comply  |  |  |                          |
| <small>Directions or comments made in blue ink shall have the highest priority over all other comments of the contractor, consultant, or reviewer. Any comments or instructions that are not in blue ink shall be considered as advisory only and shall not be used for construction. The contractor is responsible for the provided specifications. This check is only for general review.</small>                 |  |  |                          |
| Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT<br><input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION ONLY <input type="checkbox"/> F RECEIVED, NO ACTION TAKEN   |  |  |                          |
| For Engineer's rep. Review By:  |  | Supervisor/Manager:  |                          |
| Name:    |  | Name / Title:   |                          |
| Signature:  |  | Signature / Stamp  |                          |
| Date: 26/2/14   |  | Date   |                          |
| Distribution:   |  |  |                          |
| KINGDOM OF SAUDI ARABIA<br>SECURITY PLANNING AND DEVELOPMENT AGENCY - KAP4 PROJECT<br>100012  |  |  |                          |



## KAP 5 –DOCUMENT TRANSMITAL

### Technical Report

Construction | Agency for Security Planning and Development



|  |  |  |  |
|--|--|--|--|
| Project Name                                     | <b>Custodian Of The Two Holy Mosques King Abdullah Bin Abdul-Aziz Project (KAP5)</b> |  |  |
| Project Reference                                | KAP5-CRCC-GIUV-MS-012  |  |  |
| Subject  | REQUEST FOR APPROVAL AS SUB CONTRACTOR/ SUPPLIER HILL METALS EST.                    |  |  |
| GIJV Document Nber.                              | 310-GIUV-KAP5-CRCC-GN-GN-GN-120515-TR-TM   | Date                                       | <b>12<sup>h</sup> of MAY. 2015</b> Pages: <b>1</b> |
| Main Contractor                                  | <b>CRCC</b>  | Issued by:                                 | M.ARIF KHAN  |
| <input checked="" type="checkbox"/> A - Approved | <input type="checkbox"/> B- Approved w/ Notes  | <input type="checkbox"/> C-Revise Resubmit | <input type="checkbox"/> D - Rejected              |

#### COMMENTS


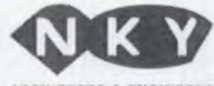

1. Contractor should be provide the all test result report at the time of supply the material.
2. Before supply should be approve the material.

M.ARIF KHAN



JV Gesbau – Italconsult P.O. Box 998 Riyadh 11421, Shahn Trading Center, King Fahad Road, Second Floor, Tel: (011) 2160010 – 2160020

Page | 1



|  |  |  |  |  |   |
|--|--|--|--|--|---|
|  <b>RTCC</b>  |  | مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب<br><b>King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2 C1</b> |  |  <b>NKY</b><br>ARCHITECTS & ENGINEERS |   |
| Al Rashid Trading & Contracting Co.<br>P.O. Box 307 Riyadh 11411<br>Tel: 011-416-4111 Fax: 011-416-4222  |  |  Kingdom of Saudi Arabia<br>وكالة التخطيط والتطوير الأمني                                       |  |  |   |
| <b>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</b>  |  |  |  |  |   |
| Site No/الموقع رقم   | General  | Site Name اسم  | General  | Project No./رقم المشروع  |   |
| Bldg. No./رقم المبنى   | General  | Bldg. Name/اسم المبنى  | General  | Location/المكان  | JAZAN & AL BAHA                                     |
| To/إلى : NKY - Architects & Engineers  |  |  | Submittal No./رقم التقديم : KAP-2C-MAT-ST-001E                         |  |   |
| Attention/عناية : Mr. Yalcin Tanir   |  |  | Date & Time/الوقت والتاريخ : Dec. 01, 2014                             |  |   |
| From/من : Engr. Mahmoud Hussein  |  |  | Request Return Date :  |  |   |
| <b>MATERIALS DETAILS / تفاصيل المادة المقدمة</b>   |  |  |  |  |   |
| Material Description/وصف المادة :  |  | STEEL REINFORCEMENT / WELDED WIREMESH ( ALL SIZES )  |  |  |   |
| Standard / Specifications/المواصفات  |  | ASTM A 615 , SSA 223 / Section 03200   |  |  |   |
| Supplier/Manufacturer/المصنع/المورد :  |  | HILL METAL ESTABLISHMENT   |  |  |   |
| Contact Person/المسؤول :   |  | Mr. Hussein Abdallah Saud  |  |  |   |
| Address Details/العنوان :  |  | P.O Box 104086 Jeddah 21331, KSA   |  |  |   |
| Local Agent/الوكيلة :  |  | HILL METAL ESTABLISHMENT   |  |  |   |
| Contact Person/المسؤول المحلي :  |  | Mr. Hussein Abdallah Saud  |  | Tel ; Mob: 055-574-7409  |   |
| Address Details/العنوان المحلي :   |  | P.O Box 104086 Jeddah 21331, KSA   |  |  |   |
| Availability/المصدر  | X  | Local/محلي   |  | Imported/مستورد  |   |
| Status / التوصيف   | X  | Specified/موصف   |  | Alternative/بديل   |   |
| <b>ENCLOSURES / المرفقات</b>   |  |  |  |  |   |
| X  | Catalogue / كاتالوج<br>Technical Data Sheet  |  | Sample / عينات   |  | List of Suppliers / قائمة موردين                    |
| X  | Product Verification / شهادة توثيق   | X  | Comparison Sheet / قائمة مقارنة  | X  | Other / أخرى  |
| <b>Contractor's Note / ملاحظات المقاول:</b>  |  |  |  |  |   |
| To be used as STEEL REINFORCEMENTS as shown on the approved drawings.  |  |  |  |  |   |
| Submitted for/العرض من التقديم : <input checked="" type="checkbox"/> Approval/الإعتماد <input type="checkbox"/> Information/المعلومية <input type="checkbox"/> Coordination/التنسيق                  |  |  |  |  |   |
| Contractor:(By completing the form the Contractor certifies that the document complies with contract specifications)<br>المقاول: عند ملء هذا النموذج يثبت المقاول أن الوثيقة تتطابق مع مواصفات العقد |  |  |  |  |   |
| Signature/التوقيع: M. I. Farooq  |  | Date/التاريخ: Dec. 01, 2014  |  | Signature/التوقيع: Engr. Mahmoud Hussein   |   |
| Material Eng. /مهندس المواد: Engr. Mustafa Iqbal Nasim   |  | Contractor's Representative/ممثل المقاول: Engr. Mahmoud Hussein  |  |  |   |
| <b>Engineer : (For Engineer's use only)</b>  |  |  |  |  |   |
| Received by<br>اسم المستلم:  |  | Received Date<br>تاريخ الاستلام:   |  | Received Time<br>وقت الاستلام:   |   |
| <b>Engineer Comments/توصيات المهندس :</b>  |  |  |  |  |   |
| Pl. Refer to attached Comments sheet. 16/12/2014<br>Muhammad Farooq, Material Specialist   |  |  |  |  |   |
| This approval does not relieve the contractor of his responsibility as per the contract.   |  |  |  |  |   |
| Engineer Signature<br>توقيع المهندس: <i>Steven Fulwider</i>  |  | Title: Technical Manager<br>الوظيفة: Steven Fulwider   |  | Date<br>التاريخ: 16-12-2014  |   |
| <b>Result:</b>   |  |  |  |  |   |
| <input type="checkbox"/> A-Approved<br>يعتمد   | <input checked="" type="checkbox"/> B-Approved as Noted<br>يعتمد بملاحظات<br>Return Clear Copy | <input type="checkbox"/> C- Revise & Resubmit<br>يراجع ويعاد التقديم   | <input type="checkbox"/> D-Received for information<br>استلم للمعلومية | <input type="checkbox"/> E- Rejected<br>مرفوض  | <input type="checkbox"/> F- No Action<br>إجراء بدون |
| Distribution Copy نسخة <input type="checkbox"/> MOI <input type="checkbox"/> NKY <input type="checkbox"/> CONTRACTOR <input type="checkbox"/> S/C <i>STAFIQ</i>                                      |  |  |  |  |   |

|   |   |  |                            |
|---|---|--|----------------------------|
|  |   | 16/Dec/14  |                            |
| <b>Client:</b>  | Ministry Of Interior - MOI  | <b>Project Name:</b>   | KAP2 -C1                   |
| <b>Engineer:</b>  | NKY Architects & Engineers - NKY  | <b>Reference Submittal / Transmittal:</b>  | KAP-2C-1-MAT-ST-001E       |
| <b>Contractor:</b>  | El Seif Engineering Contracting Co. - ESEC  | <b>Document Subject:</b>   | Hill Metal - Establishment |
| <b>Project Title:</b>   | Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project   | <b>Received Date:</b>  | 10-Dec-14                  |
|   |   |  |                            |
| <b>COMMENT SHEET</b>  |   |  |                            |
| <b>Ref.</b>   | <b>Comments</b>   |  |                            |
| 1   | Material submittal for "Hill Metal Establishment" submitted by RTCC contractor for prequalification (Jazan and Al BAHA) KAP2-C1. Following observations were noted.   |  |                            |
| 2   | Company resgistration information is submitted , Valid CR certificate is submitted. Invalid Zakat certificate is attached. GOSI Certificate need to be submitted  |  |                            |
| 3   | Client list include only MOI at KAP4. Saudization certificate is need to be submitted.  |  |                            |
| 4   | Company profile information is attached, however employees resume are not available. Quality control tests report are attached but did not mentioned about testing frequency. Poor specification compliance sheet is submitted.                             |  |                            |
| 5   | Invalid chamber of commerce certificate is attached. Company started business in 2005 and having 9years of experience in KSA. Head office is located at Jeddah, Financial information is need to be submitted. SASO certificate need to be submitted        |  |                            |
| 6   | Valid ISO 9001-2008 certificate is attached with the documents. Technical data sheet of reinforcement is attached which belong to mechanical, physical and chemical properties and composition of rebar. Thickness of rebar and weight is mentioned in TDS. |  |                            |
| 7   | Approved as noted "Hill Metal establishment" for prequalification.  |  |                            |
|   |    |  |                            |
| <b>Issued By:</b>   |   |  |                            |
| <u>Name, Surname</u>  | <u>Title</u>  | <u>Signature</u>   | <u>Date</u>                |
| M. Farooq   | Material Specialist   |  | 16/12/2014                 |
| NKYSA-PMN-GEN-COS-01  |   |  |                            |

**SAPL**  
 SAUDI ARABIAN PARSONS LTD  
 شركة بارسونز العربية السعودية المحدودة

## Subcontractor Prequalification Submittal Form (SPQ)

|                 |  |             |                                 |       |            |
|-----------------|--|-------------|---------------------------------|-------|------------|
| Submittal Ref.: | SPQ-S-012-P1435-15-CI-0038                         | Revision:   | 00                              | Date: | 10-06-2015 |
| Project:        | P1435/15 Khamis M. Infrastructure                  |             |                                 |       |            |
| Client:         | Ministry of Housing in the Kingdom of Saudi Arabia |             |                                 |       |            |
| Engineer:       | Saudi Arabian Parsons Ltd.(SAPL)                   | Contractor: | Bin Jarallah Holding Co. - BJHC |       |            |

**Discipline:**


Architecture     Civil     Mechanical     Electrical     Information Technology  
 Landscape     Quality     Safety     Project Controls     Construction Management

**Supplier Details:**


Supplier Name: Pre Qualification - Hill Metals Est.

Trade: Steel Bar      Supplier Location:  Local     Overseas

**Contractor PM:**

Name: HATEM MATAR      Signature:       Date: 10-06-2015

**Received by SAPL:**


Name: Shahzaman      Signature:       Date: 10-06-2015

**Engineering Review:**

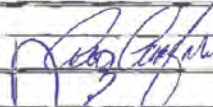
Status:     A- Approved     B- Approved as Noted     C- Revised and Resubmit     D- Rejected

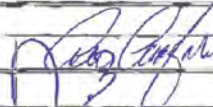
**Comments:**

1. Subject to compliance with the comments on attached Findings Sheet.




**Engineering:**





Reviewer Name: Ali Alkofahi      Signature:       Date: 13-6-2015

Approver Name: Shukri Ahmad      Signature:       Date: 13-6-2015

**Contractor:**

Name:      Signature:      Date:

|                         |  |  |                                 |    |    |      |
|-------------------------|--|--|---------------------------------|----|----|------|
| <b>Program /Project</b> | MOH Program - Khamis Mashweh Housing Project Infrastructure Works      | <br><b>SAPL</b><br>SAUDI ARABIAN PARSONS LTD<br>شركة ارامكو السعودية المحدودة | Date                            | 13 | 06 | 2015 |
| <b>Client</b>           | Ministry of Housing ( MOH ) - Kingdom of Saudi Arabia                  |  | <b>Compliance by Contractor</b> |    |    |      |
| <b>Consultant</b>       | Saudi Arabian Parsons Limited - ( SAPL )                               |  | Discp.                          |    |    |      |
| <b>Contractor</b>       | Bin Jirafiah Holding Company for Trading and Contracting - ( B.J.HCO ) |  |                                 |    |    |      |
| <b>Submittal Ref.</b>   | SPQ-S-012-P1435-15-C1-0038 Rev. 00                                     |  |                                 |    |    |      |
| <b>Subject</b>          | PRE QUALIFICATION - HILL METALS Est. ( Steel Bar )                     |  |                                 |    |    |      |
| <b>SN</b>               | <b>Findings / Comments by SAPL's / KMHP Staff</b>                      |  |                                 |    |    |      |

|                                     |   |                                  |               |  |             |
|-------------------------------------|---|----------------------------------|---------------|--|-------------|
| <b>A. BASIC FINDINGS :</b>          |   |                                  |               |  |             |
| A.1                                 | Submit updated Third Party tests certificates for the calibration period of testing equipment and state the heat number on the certificates.                                | QM                               |               |  |             |
| A.2                                 | The M/S Hill Metals Est. has been approved by SAPL for the Job Contract No. : 19/05/2/001/0320/00/00/4, Project No: B4 - 13008. Photocopy of approval is attached herewith. | QM                               |               |  |             |
| <b>B. OTHER RELEVANT FINDINGS :</b> |   |                                  |               |  |             |
| B.1                                 | No other relevant findings.   |                                  |               |  |             |
| <b>Action By</b>                    | <b>Name</b>   | <b>Title</b>                     | <b>Discp.</b> | <b>Signature</b>   | <b>Date</b> |
| <b>Project Controls</b>             | Emad Ahmed  | Senior Project Controls Engineer | PC            |   | 13 06 2015  |
| <b>Reviewed By</b>                  | Mohammad Abodi  | QA / QC Engineer                 | QM            |   | 13 06 2015  |
| <b>Reviewed By</b>                  | Rizwan Qureshi  | Senior QA / QC Engineer          | QM            |   | 13 06 2015  |
| <b>Checked By</b>                   | Ali Alkafahi  | Construction Manager - Concrete  | CM            |  | 13 06 2015  |

Abbreviations: Architectural - AR, Civil - CI, Mechanical - ME, Electrical - EL, Information Technology - IT, Landscape - LS, Quality - QM, Safety - HSE, Project Controls - PC, Construction Management - CM, Contracts Management - CT, Quantity Surveying - QS - Form No. KMHP-013 Submittal Findings Sheet Rev. 03, 03-05-2015

SUPPLIER PREQUALIFICATION SUBMITTAL REVIEW FORM

| <b>DISCIPLINE</b><br><input checked="" type="checkbox"/> BT-Bridge & Tunnels<br><input type="checkbox"/> RH-Roads & Highways<br><input type="checkbox"/> BF-Building & Facilities<br><input type="checkbox"/> ME-Mechanical & Electrical<br><input type="checkbox"/> LP-Landscape & Park |   | Pre-qualification of RMC, METALS Etc. Manufacturer of steel<br>Job/Contract No: 19/05/2/001/0320/00/00/4      Project No.: B4-13008<br>Transmittal/Doc. No.: AC : 362<br>Date: 18-11-2014<br>Status: <input type="checkbox"/> Open <input type="checkbox"/> Closed |                     |
|--|---|--|---------------------|
|  |   | *Please prepare permanent submittal into with proper index, use necessary folder.*<br>*Please see the below SAPL comments, if it is red colour, Contractor must rectify all necessary items for during next submission or final submission*                        |                     |
| No   | Spec. Div/Sec/Clause No. Ref.   | SAPL Comments  | Contractor response |
| 1  | Company Profile   | Provided acceptable  |                     |
| 2  | List of Material to be supplied   | Provided acceptable  |                     |
| 3  | Organizational Chart  | Provided acceptable  |                     |
| 4  | Commercial Documents Government Registrations                                       | Provided acceptable  |                     |
| 4.1  | Company Registration  | Provided acceptable  |                     |
| 4.2  | Industrial License  | Provided acceptable  |                     |
| 4.3  | ZAKAT certificate   | Provided acceptable  |                     |
| 4.4  | Chamber of commerce   | Provided acceptable  |                     |
| 4.5  | GDSI  | Provided acceptable  |                     |
| 5  | ISO or other Quality Certificate 9001:2008  | Provided acceptable  |                     |
| 6  | Customers List  | Provided acceptable  |                     |
| 7  | List of Machinery/Tools/Equipments (Supporting with valid Third Party Certificates) | Provided acceptable  |                     |
| 8  | Previous Approvals  | Provided acceptable  |                     |
| 9  | Completed Project References  | Provided acceptable  |                     |
| 10   | Others (As directed in contract)  | Final approval is subjected to the acceptance of Employer.   |                     |

Notes: 1. The contractor shall provide all the documents in original and shall be ready to provide permanent records.  
 2. Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.  
**Instructions**

1. If in case of submittal is incomplete during internal review, Contractor shall refer that comments to SAPL/PMIP. Please return Copies to contractor.

Reviewed & Approved by: Materials Engineer : ... Mohammad Basharat      Sign: *[Signature]*      Date: 18-11-2014

For SAPL/PMIP:  
*Mohd. / Albedi, SAPL Engr.*  
 13/06/2015

**SAPL**  
SAUDI ARABIAN PARSONS LTD  
شركة بارسونز العربية السعودية المحدودة

أمانة  
جدة

SUPPLIER PREQUALIFICATION SUBMITTAL REVIEW FORM

| <b>DISCIPLINE</b>                                       |  | Pre-Qualification of HILL METALS EST. Manufacturer of steel.   |                        |
|---|--|--|------------------------|
| <input checked="" type="checkbox"/> BT-Bridge & Tunnels |  | Job/Contract No: 19/05/2/001/0320/00/00/4  | Project No.: B4 -13008 |
| <input type="checkbox"/> RH-Roads & Highways            |  | Transmittal/Doc. No.: AC : 362   |                        |
| <input type="checkbox"/> BF-Building & Facilities       |  | Date: 18-11-2014   |                        |
| <input type="checkbox"/> ME-Mechanical & Electrical     |  | Status: Approved as noted  |                        |
| <input type="checkbox"/> LP-Landscape & Parks           |  | *please prepare standard submittal and with proper index ,use necessary folder *   |                        |
|   |  | *Please see the below SAPL comments ,if it is red colour, contractor must rectify all necessary item for during next submission or final submission* |                        |
| No  | Spec. Div/Sec/Clause No. Ref.  | SAPL Comments  | Contractor response    |
| 1   | Company Profile  | Provided acceptable  |                        |
| 2   | List of Material to be Supplied  | Provided acceptable  |                        |
| 3   | Organizational Chart   | Provided acceptable  |                        |
| 4   | Commercial Documents/Government Registrations  | Provided acceptable  |                        |
| 4.1   | Company Registrations  | Provided acceptable  |                        |
| 4.2   | Industrial License   | Provided acceptable  |                        |
| 4.3   | ZAKAT certificate  | Provided acceptable  |                        |
| 4.4   | Chamber of commerce  | Provided acceptable  |                        |
| 4.5   | GOSI   | Not provided   |                        |
| 5   | ISO or other Quality Certification: 9001 :2008   | Provided acceptable  |                        |
| 6   | Customers List   | Provided acceptable  |                        |
| 7   | List of Machineries/Products/Equipments (Supporting with valid Third Party Calibration Certificates) | Provided acceptable  |                        |
| 8   | Previous Approvals   | Provided acceptable  |                        |
| 9   | Completed Project Reference  | Provided acceptable  |                        |
| 10  | Others (As deemed necessary)   | Final approval is subjected to the acceptance of CM(SAPL).   |                        |

Notes. 1. This form shall remain attached to the submittal throughout its review and shall be kept as permanent record.  
2. Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

Instructions

1. If in case of submittal is incomplete during material submittal verification (like see that comments REVISE & RESUBMIT) please return Copies to contractor.

Reviewed & Approved by: Materials Engineer :-... Mohammad Basharat Sign: *M. Basharat* Date: 18-11-2014

PARSONS LTD  
شركة پارسونز العربیة

**Document Submittal Form**

Arab contractors (Osman Ahmed Osman & Co.)  
/5, Riyadh 11561, K.S.A."  
No. : 19/05/2/001/0320/00/00/4

Project No. : B4 - 13008

Name: PRINCE MAJED/ BANI MALEK intersection Project

Ref. No.: AC : 362

Location: Intersection between Prince Majed & Bani Malek street

Date: 16-Nov-14

Please check appropriate box:

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> As Built                | <input type="checkbox"/> Inspection Report            | <input type="checkbox"/> Product Data                  |
| <input type="checkbox"/> Bill of Quantities      | <input type="checkbox"/> Job Order                    | <input type="checkbox"/> Report                        |
| <input type="checkbox"/> Bank Warranty           | <input type="checkbox"/> Letter                       | <input type="checkbox"/> Request for Information (RFI) |
| <input type="checkbox"/> Certificate             | <input type="checkbox"/> Material Sample              | <input type="checkbox"/> Schedule                      |
| <input type="checkbox"/> Drawing                 | <input type="checkbox"/> Manual                       | <input type="checkbox"/> Shop Drawing                  |
| <input type="checkbox"/> Engineering Calculation | <input checked="" type="checkbox"/> Pre-qualification | <input type="checkbox"/> Test Reports                  |
| <input type="checkbox"/> GIS/CAD                 | <input type="checkbox"/> Procedure/Methodology        | <input type="checkbox"/> Others (please specify)       |

Purpose:

- For Your Information       For Your Review & Approval       As Requested

Subject : Pre-Qualification for HILL METALS EST as a manufacturer of steel .

Document Description:

| Sr. No. | Document No. | Document Name  | Rev. | Hard Copy | Soft Copy |
|---------|--------------|--|------|-----------|-----------|
| 1       |              | Pre-Qualification for HILL METALS EST as a manufacturer of steel . | 0    | 3         | 1         |

SAPI Review & Approval Status

- Approved (work may proceed)  
 Approved as Noted (work may proceed Subject To Incorporation of Comments).  
 Revise and Resubmit . work may not proceed .

GIS/CAD Approval

Name :  
Sign :  
Date :

Comments :

SEE ATTACHED SUBMITTAL REVIEW COMMENTS

Contractor Project Manager  
 Name : *Osman Ahmed Osman*  
 Sign : *[Signature]*  
 Date : 16-Nov-14  
 For Engineering Submittals Only

Received by:

Name :  
Sign :  
Date :




SAPL Department Manager

Name : *[Signature]*  
 Sign : *[Signature]*  
 Date : 16-11-14

**KING FAISAL SPECIALIST HOSPITAL-JEDDAH, KSA**  
**DOCUMENT SUBMITTAL SHEET**

| Issue Status Legend |                          |
|---------------------|--------------------------|
| FA                  | For Approval             |
| A                   | Approved                 |
| FI                  | For Information & Record |

|   |                                      |  |                        |
|---|--------------------------------------|--|------------------------|
| Project Ref.<br><b>CN1169</b>   | Contractor<br><b>HILL METALS EST</b> | No.<br>DS/CN1169P01/000216   | Rev<br><b>2</b>        |
| To: SAUDI DIYAR CONSULTANTS<br>Document Control (4 Copies)<br>SBG Document Control (1 Copies)   |                                      | Sheet 1 of 2   |                        |
| <b>SUBMITTAL CONTENTS DESCRIPTION</b>   |                                      | Submittal Issue Date:  | Response Requested By: |
| <b>Pre-Qualification Steel Supplier</b>   |                                      | 22-02-2015   | 05-03-2015             |
| We confirm that the Shop drawing / Enclosure hereby submitted is suitable for the conditions of use and conforms with the contract specifications and all applicable codes, standards and statutory requirements. We confirm that no variation in the contract sum is implied or claimed by this submittal sheet. Acceptance of this material submittal does not alter in any way whatsoever our contractual or common obligations and responsibilities. Where the submittal is in any way in variance with the specification, such variations must be identified and brought to the attention of the Contractor on this form. The Engineer's acceptance will be invalidated if such variations are not identified. |                                      | Enclosure<br><input type="checkbox"/> Drawing<br><input type="checkbox"/> Literature<br><input checked="" type="checkbox"/> Other<br><input type="checkbox"/> Calculation<br><input type="checkbox"/> Schedule |                        |
| Signed<br><br><b>Eng. Mussa Kikia</b><br>22.02.2015   |                                      | Contract Specification Clause Ref.:<br><b>030500</b>   |                        |


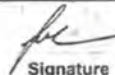
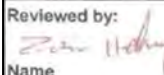

| ITEM | DOCUMENT REF. NO.   | REV | DATE       | TITLE                                   | STATUS |
|------|---------------------|-----|------------|---|--------|
| 1    | DS-CN1169P01-000216 | 2   | 22.02.2015 | <b>Pre-Qualification Steel Supplier</b> | FA     |

Refer to comments on Rev 0  
- carry out tests on actual steel deliveries  
Other points on Rev 1. noted

DIYAR  
22 FEB 2015  
RECEIVED

|                                  |                      |  |   |
|----------------------------------|----------------------|--|---|
| Main Contractor<br>DATE RECEIVED | SIGNATURE            | RETURNED TO CONTRACTOR: DOCUMENT STATUS  |   |
|                                  |                      | A: Work may proceed  | C: Revise and Resubmit Work may not proceed   |
| DISTRIBUTION:                    | SBG-PBAD KFESH 2, RC | B: Revise and resubmit work may proceed subject to incorporation of changes indicated  | D: For Information Only - Review not required |
|                                  |                      | <b>IMPORTANT:</b> Permission to proceed does not constitute acceptance of design details calculations analyses test methods or materials developed or selected by the contractor / supplier and does not relieve contractor / supplier from full compliance with contractual obligations<br>Main contractor<br>Signature:  Date:  |   |



| CONSULTANT  |  | CLIENT<br>EMAAR  |  | CONTRACTOR<br>ACC<br>ARABIAN CONSTRUCTION CO.  |               |
|---|--|--|--|--|---------------|
| <b>Transmittal To SDC ( Material Submittals )</b>   |  |  |  |  |               |
| <input checked="" type="checkbox"/> Submittal<br><input type="checkbox"/> Resubmittal<br><input type="checkbox"/> Others  |  |  |  |  |               |
| <b>Date</b><br>15-Aug-16  | <b>Project Code</b><br>SDC JE-1401<br>Contr. | <b>Project Title</b><br>JEDDAH GATE DEVELOPMENT LOT E05  | <b>Trans. No.</b><br>MT-CL-00-12-0058-R00  | <b>Department</b><br>AR CE/SE ME EE LA   |               |
| <b>To</b><br><input checked="" type="checkbox"/> Resident Engineer<br><input type="checkbox"/> Head Office<br><input type="checkbox"/> Others   |  |  | <b>From</b><br>Saudi Arabian Construction Co.  |  |               |
| <b>Contractor Use</b>   |  |  |  |  |               |
| Item No.  | Division                                     | Item Description<br>(Name, Type, Size, Capacity, Specific Use, Etc.)   | Manufacturer or designer   | Dwg. No, Catalog No.,<br>Brochure No./ Other   | No. Of Copies |
| 1   | Div: 03                                      | Material Approval for Reinforcement Steel Bar  | Manufacturer - Al-Tilal Saudi Steel  |  | 3             |
| <b>Submitted by</b><br>Ahmed Abdul Baki<br>Name   |  | <br>Project Manager<br>Title |  | Enclosures:<br>Signature: <br>Items: |               |
| <b>Saudi Diyar Use</b>  |  |  |  |  |               |
| Item #  | 1  |  |  |  |               |
| Code  | B  |  |  |  |               |
| Reviewed By   | En   |  |  |  |               |
| <b>Action Code</b>  |  |  | <b>Remarks:</b>  |  |               |
| 1. No Objection to Proceed, no Exceptions Taken<br>2. No Objection to proceed subject to Engineer's Comments<br>3. Revise and Resubmit<br>4. Rejected<br>5. For information only<br>See Remarks   |  |  | a) Installation shall only proceed when Action Code is 1 or 2.<br>b) Action Code 3, shall be resubmitted within time limit set in the contract.<br>c) The Engineer review does not relieve the Contractor from Responsibility of Compliance with all requirements of Contract documents. |  |               |
| <b>Special Instructions</b>   |  |  |  |  |               |
| 1) The diameters which are requested = T22 > T25 > T28 > T18 > T16 > T14 > T12<br>2) contractor is requested to test samples for each diameter according to approved ITP when reached the quantity that is mentioned in approved ITP Plan.  |  |  |  |  |               |
| <b>Reviewed by:</b><br><br>Name  |  | SR Civil Engineer<br>Title   |  | <b>Date</b><br>17-8-2016   |               |
| <b>Signed off by:</b><br>A. Asman<br>Name   |  | RE<br>Title  |  | <br>Signature                       |               |
| 17-Aug-16   |  |  |  |  |               |
| Any Indications or request to changes marked on shop drawing submittal do not constitute an authorization for any increase in the contract price/qty or time for completion. Any notations by DIYAR which may increase contract cost/Qty or time of completion shall be brought to Client attention before proceeding with works. Otherwise, any claim regarding this subject matters will not be considered. |  |  |  |  |               |

طلب اعتماد عينة

|   |   |   |
|---|---|---|
| المقاول : شركة دروة العيرات<br>للمقاولات العامة |  | المملكة العربية السعودية<br>وزارة المياه والكهرباء<br>المديرية العامة للمياه بمنطقة المدينة المنورة<br>إدارة الفروع |
|---|---|---|

|                                      |   |
|--------------------------------------|---|
| منطقة - المدينة المنورة (محافظة بدر) | مشروع : حرات مياه الخزانات الأولية الضخ |
|--------------------------------------|---|

|                 |                                       |
|-----------------|---------------------------------------|
| المصنع : التلال | اسم العينة : حديد التلال              |
| العنوان : حدة   | نوع العينة : حديد تسليح               |
| الرمز البريدي : | بلد المنشأ : المملكة العربية السعودية |
| فاكس :          | مكان الاستخدام : مشروع حزان الخزانات  |

|                 |                       |
|-----------------|-----------------------|
| الوكيل :        | المواصفات طبقاً للعقد |
| العنوان :       | أقطار ( ١٤م إلى ٣٤م ) |
| الرمز البريدي : |                       |
| فاكس :          |                       |

|                                     |   |
|-------------------------------------|---|
| توقيع المقاول<br>اسم :<br>التوقيع : | سعادة المهندس المشرف :<br>يرجاء اعتماد العينة المذكور حسب المواصفات عالية |
|-------------------------------------|---|

|  |  |
|--|--|
| توقيع مهندس المكتب الفني الاستشاري<br>اسم :<br>التوقيع : | ملاحظات المكتب الفني الاستشاري :<br>الالتزام بالمواصفات الموجودة بالعينة المقدمة للمديرية .<br>التوصيات : <input checked="" type="checkbox"/> موافق <input type="checkbox"/> موافق مع ملاحظات <input type="checkbox"/> مرفوض |
|--|--|

|  |  |
|--|--|
| توقيع المهندس المشرف بالفروع<br>المهندس :<br>التوقيع : | ملاحظات المالك :<br>- لا اعتماد لهذه عينة من تاريخ الاعتماد<br>- الاعتماد من تاريخ ردها لاجراء المزيد<br>- لنا كبر من مطابقة المواصفات<br>التوصيات : <input type="checkbox"/> موافق <input type="checkbox"/> موافق مع ملاحظات <input type="checkbox"/> مرفوض |
|--|--|

|  |  |
|--|--|
|  | اعتماد المديرية :<br>اسم : مهندس / حسين بن محسن الحازمي<br>التوقيع : |
|--|--|

DCC-MI-DC-SP-F-0005a\_04

Consultant: **Manens-Tifs** INGENIERIA  
 Owner: **Ministry of Interior, KSA**  
 Contractor: **ABV ROCK GROUP**

Project Name: Security Forces Medical Center Ref. No: **MI-AA-B0-B00.00-S0-SQ-030** 00 01 A  
 Contract No.: 1/52/202 Location: **PKB - Jeddah**  
 Bldg Name: General Site Office Date: **07 APR 2016**

**SUPPLIER/VENDOR APPROVAL**

New Submittal Submittal No. \_\_\_\_\_ Submittal Date: \_\_\_\_\_  
 Resubmittal Submittal Date: \_\_\_\_\_ Prev Subm. Date: \_\_\_\_\_  
 Issue for Construction Submittal No. \_\_\_\_\_ Submittal Date: \_\_\_\_\_

PURPOSE OF SUBMITTAL  For Information  For Comments  For Approval  
 Previous Action Code  Action Code

DISCIPLINE  Architecture  Civil  Structural  Mechanical  Electrical  Medical Eqpt  Others

ATTACHMENT  Catalogue  Drawing  Certificate  Sample  Tech. Data  Calculation

MECHANICAL EQPT Note: Please use the attachment in case items are more than the provided space.

Remarks: \_\_\_\_\_

| SN | Name and Description                             | Origin | Manufacturer / Supplier | Spec. Ref. | Standard | Approval |
|----|--|--------|-------------------------|------------|----------|----------|
| 1  | Supply of Reinforcement Bars<br>Non-Epoxy Coated | KSA    | Hill Metals Est.        | See Flap B |          |          |



Contractor's Remarks We clarify that above submittal is strictly adhered with contract Specification except otherwise as stated below.

Exceptions \_\_\_\_\_  
 Contract's Representative:  
 Name: **PP Parvinder Singh**  
 Signature: \_\_\_\_\_ Date: **06-Apr-2016**  
 Position: **Head of Package Management**

Client's Comments:  
**See Attachment No.1 (2 Pages)**

CLIENT'S REPRESENTATIVE  
 Name: **Egidio Roncon** Position: **Site Manager**  
 Signature: \_\_\_\_\_ Date: **14 April 2016**  
 MOI-SECURITY FORCES MEDICAL CENTER  
 Date: \_\_\_\_\_

Approval Status:  
 Approved **B - APPROVED AS NOTED**  Resubmit for Approved (Resubmittal Required)  
 Aymen Sammour, 4/14/2016, 9:42:01 am  
 Signature: \_\_\_\_\_ Name / Signature: \_\_\_\_\_

Received by Client (In) Stamp: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Received by Contractor (Out) Stamp: \_\_\_\_\_  
 Name: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Date: \_\_\_\_\_

Client: Copy with Stamp Contractor: Original





**Security Forces - Medical Center Project  
Riyadh - Jeddah  
PKB - JEDDAH SITE**



Prot. 0849/2016 - XP028  
Date: 14/04/2016

|                |   |
|----------------|---|
| ATTACHMENT No. | 1 |
|----------------|---|

Ref. No.: MI-AA-B0-B00.00-S0-SQ-030-00-01-A  
Received on 10/04/2016

Manufacturer/Supplier: Hill Metals Est.

Comments: PkB - Construction

| No. | Contractor's Document Reference | Comments  | Contractual Doc. Ref.                                      |
|-----|---------------------------------|---|--|
| 1   | General                         | Vendor is submitted only as Supplier of Reinforcement Bars, Deformed (Non-Epoxy Coated).  |  |
| 2   | General                         | The Contractor shall be responsible for the LEED requirements.  |  |
| 3   | Commercial Documents            | Provide all required valid legal certificates before commencement of supplying materials.   |  |
| 4   | Quality                         | Submit updated Mill certificates and Independent/Third Party Laboratory test reports stating the Heat Number for products before commencement of supplying materials. Third Party Laboratory equipment calibration have to be periodically updated-verified following but not limited to the approved ABV's Project Quality Plan. | ABV Rock Project Quality Plan                              |
| 5   | General                         | A copy of the manufacturer's test certificate for ultimate strength, elongation and cold bending, together with the chemical analysis of the steel shall  | SECTION 03300 - CAST-IN-PLACE CONCRETE<br>PART 1 - GENERAL |

*[Handwritten signatures and initials]*



**Security Forces - Medical Center Project  
Riyadh - Jeddah**



**PKB - JEDDAH SITE**

|   |         |   |   |
|---|---------|---|---|
|   |         | be submitted to the Engineer for each consignment of reinforcing steel delivered to the Project site. | 1.4 SUBMITTALS<br>H.3 Material Certificates                       |
| 6 | General | Material must be submitted for approval before commencement of work according to the specific scope.  | SECTION 03300 - CAST-<br>IN-PLACE CONCRETE<br>1.4/A. Product Data |
| 7 | Quality | Provide Valid Accreditation of Saudi Standards, Metrology and Quality Organization (SASO).            |   |

Status Code: B- Approved as Noted

**B - APPROVED AS NOTED**







Ayman.Sammour , 4/14/2016, 9:06:29 am




Ayman Sammour  
Sr. Site Engineer Structural



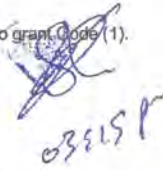

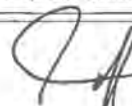
Zubair Khan  
Site Manager Infrastructure

Egidio Roncon  
Site Manager Medical




|   |  |   |   |   |  |
|---|--|---|---|---|--|
| <b>المقاول / ACTOR</b><br><br><b>DESIGN CONSULTANT</b><br>استشاري التصميم<br> |  | مشروع خادم الحرمين الشريفين الملك عبدالله بن عبدالعزيز<br>لتطوير المقرات الأمنية - المرحلة الثانية ب<br><b>King Abdullah Ibn Abdulaziz Project For Development<br/>                 of the Security Facilities for MOI KAP-2C2</b><br><br>Kingdom of Saudi Arabia<br>وكالة التخطيط والتطوير الأمني |   | <b>المهندس / THE ENGINEER</b><br><br><b>ARCHITECTS &amp; ENGINEERS</b> |  |
| <b>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</b>   |  |   |   |   |  |
| Site No./رقم الموقع: General  |  | Site Name/أسم الموقع: General   |   | Project No./رقم المشروع: KAP2-C2  |  |
| Bldg. No./رقم المبنى: General   |  | Bldg. Name/أسم المبنى: General  |   | Location/المكان: Abha/Najran  |  |
| To/إلى: NKY - Architects & Engineers  |  |   | Submittal No./رقم التقديم: K2C-000-0000-AA-DS-MP-0106 |   |  |
| Attention/عناية: Yalcin Tanir - NKY Site Manager  |  |   | Date & Time / الوقت: 21-Jan-2016 09:00 Hrs            |   |  |
| From/من: Hisham Al-Khalfah - Contractor's PD  |  |   | Request Return Date:                                  |   |  |
| <b>MATERIALS DETAILS / تفاصيل المادة المقدمة</b>  |  |   |   |   |  |
| Material Description/وصف المادة: Reinforcement Steel Bars   |  |    |   |   |  |
| Standard / Specifications/المواصفات: Division 03 (Section 03200)  |  |   |   |   |  |
| Supplier/Manufacturer/المصنع/المورد: Hill Metals Est.   |  | Tel: No. (+966) 12-6359000 Ext.269 Fax: (+966) 12-6085494 Mob: (+966) 58 244 6066   |   |   |  |
| Address Details/العنوان: P.O. Box 104086 Jeddah 21331 Kingdom of Saudi Arabia   |  |    |   |   |  |
| Local Agent/الوكيل: Hill Metals Est.  |  | Tel: No. (+966) 12-6359000 Ext.269 Fax: (+966) 12-6085494 Mob: (+966) 58 244 6066   |   |   |  |
| Contact Person/المسؤول المحلي: Syed Abbas Hussain   |  | P.O. Box 104086 Jeddah 21331 Kingdom of Saudi Arabia  |   |   |  |
| Availability/المصدر: Local/محلي   |  | Imported/مستورد   |   |   |  |
| Status/التوصيف: Specified/موصف  |  | Alternative/بديل  |   |   |  |
| <b>ENCLOSURES / المرفقات</b>  |  |   |   |   |  |
| Catalogue/كتالوج: Technical Data Sheet  |  | Sample/عينة   |   |   |  |
| Product Verification/شهادة توثيق  |  | Comparison Sheet/قائمة مقارنة   |   |   |  |
| Contractor's Note/ملاحظات المقاول:  |  |   |   |   |  |
| Submitted for/الغرض من التقديم: <input checked="" type="checkbox"/> Approval/للاعتدال <input type="checkbox"/> Information/للمعلومية <input type="checkbox"/> Coordination/للتسيق   |  |   |   |   |  |
| Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications).  |  |   |   |   |  |
| Signature/التوقيع: MATS ANDERSSON   |  | Signature/التوقيع: MOHAMMAD AL-ABBALI   |   | Signature/التوقيع: HISHAM AL-KHALFAH  |  |
| Date/التاريخ: 20/1/16   |  | Date/التاريخ: 21 JAN 2016   |   | Date/التاريخ: 26/1/16   |  |
| Prepared by/المهندس المسؤول   |  | Documentation Control Center  |   | Project Manager   |  |
| Engineer: (For Engineer's use only)   |  |   |   |   |  |
| Received by/أسم المستلم   |  | Received Date/تاريخ الإستلام  |   | Received Time/وقت الإستلام  |  |
| Engineer Comments/توصيات الإستشاري:<br><i>pl refer to attached comments sheet.</i>  |  |   |   |   |  |
| This approval does not relieve the contractor of his responsibility as per the contract.  |  |   |   |   |  |
| Engineer Signature/توقيع الإستشاري  |  | Title/الوظيفة: Material Specialist  |   | Date/التاريخ: 24/1/2016   |  |
| Result:   |  |   |   |   |  |
| <input type="checkbox"/> A- Approved/يعتمد  |  | <input checked="" type="checkbox"/> B- Approved as Noted/يعتمد بملاحظات   |   | <input type="checkbox"/> C- Revise & Resubmit/يراجع ويعاد التقديم   |  |
| <input type="checkbox"/> E- Rejected/مرفوض  |  | <input type="checkbox"/> F- No Action/بدون إجراء  |   | <input type="checkbox"/> D- Received for information/استلم للمعلومية  |  |
| Document no. BU1-D-FM-04 rev. 0   |  |   | DCC-K2C-DC-MP-F-0006_01                               |   | Date: 21-1-2016/ File Name: Material Approval Form |

|   |  |  |
|---|--|--|
| <br>ZULHAIR FAYEZ PARTNERSHIP  | PROJECT<br><br>SAUDI NEW FLIGHT OPERATION BUILDING IN<br>KAIA NEW TERMINAL<br>CONTRACT NO.: J15-03300   | CONTRACTOR<br><br>almabani<br>GENERAL CONTRACTORS CO. |
| <b>PRE-QUALIFICATION FILE SUBMITTAL FORM</b>  |  |  |
| SUBJECT: <u>PRE-QUALIFICATION FILE FOR HILL METAL EST.</u>  |  |  |
| Specs. Code & Ref.<br><br>N/A   | B.O.Q. Code Ref.<br><br>N/A  | Drawing No.<br><br>N/A   |
|   |  | Submittal No. <u>FOB-DCS-SUP-S-0001-R00</u><br>Date Submitted: <u>02-08-2017</u><br>Date Returned: _____                                 |
| Sub-contractor<br>Name: _____ Address: _____<br>Address: _____ Phone: _____ Telex: _____  |  |  |
| Manufacturer: <u>HILL METALS EST.</u> Supplier/ Agent<br>Name: <u>JEDDAH 21331, KSA</u> Name: _____<br>Address: <u>+96626359000</u> Address: _____<br>Phone: <u>+96626085494</u> Phone: _____<br>Fax: _____ Telex: _____ Fax: _____ Telex: _____            |  |  |
| Information submitted and attached:   |  |  |
| Certificates <input type="checkbox"/><br>Technical Brochure <input type="checkbox"/><br>Manufacturer's Data & Specs. <input type="checkbox"/><br>Shop Drawings <input type="checkbox"/><br>Samples <input type="checkbox"/><br>Contractor's Comments: _____ | Operation & Maintenance Manual <input type="checkbox"/><br>Spare Parts List <input type="checkbox"/><br>As Built Drawings <input type="checkbox"/><br>Warranty <input type="checkbox"/><br>Others (specify) <input type="checkbox"/><br>See Attachment <input checked="" type="checkbox"/>   |  |
| Note: This review does not relieve the contractor of his responsibilities under the terms of the contract nor authorize additional compensation.  |  |  |
| Signature: _____<br>Date: _____   |  |  |
| Consultant's Comments: <i>for 12mm fabric</i> <i>approved</i> <i>Grade 60 rebar</i> <i>Hot Rolled</i> <i>dis</i>  |  |  |
| See Attachment <input type="checkbox"/>   |  |  |
| Status:<br>1 Approved <input checked="" type="checkbox"/><br>2 Approved as noted <input type="checkbox"/><br>3 Revise and submit <input type="checkbox"/><br>4 Rejected <input type="checkbox"/>  | Discipline<br><input type="checkbox"/> Arch<br><input type="checkbox"/> Civil<br><input type="checkbox"/> Mech<br><input type="checkbox"/> Plumb<br><input type="checkbox"/> Fire Fig<br><input type="checkbox"/> Ele.<br><input type="checkbox"/> Low Cur<br><input type="checkbox"/> Telecom<br><input checked="" type="checkbox"/> Stru | Sign & Date<br>Resident Engineer<br>Sign: _____<br>Date: _____   |


|  |   |   |   |  |  |
|--|---|---|---|--|--|
| THE EMPLOYER:<br><br>الهيئة العامة للطيران المدني<br>General Authority of Civil Aviation  |   | King Abdulaziz International Airport<br>Development Project<br>(Phase I)<br>Jeddah, KSA |   | THE CONSTRUCTION MANAGER:<br> |  |
| <b>The CM's Reply to Submittals (CRS)</b>  |   |   |   |  |  |
| Submittal Ref. No.   | : 422- MTS - C- 03336-03  | Date:   | 17 September 2017   |  |  |
| Submittal Title:   | : Deformed Steel Rebars (By Hill Metals Est.) Al Mabani   |   |   |  |  |
| Contractor's Name  | : Saudi Binladin Group  |   |   |  |  |
| Contract No./Title   | : J-10-422-PF-0 - Aprons, Taxiways, Roads, Tunnels, Bridges, Load Centers and Infrastructure, Transportation Center and Supporting Facilities |   |   |  |  |
| Action Code (tick as appropriate):<br><input type="checkbox"/> 1. Approved, work may proceed.<br><input checked="" type="checkbox"/> 2. Approved as noted, work may proceed subject to incorporation of comments and resubmit to grant Code (1).<br><input type="checkbox"/> 3. Revise and resubmit, work may not proceed.<br><input type="checkbox"/> 4. Rejected.<br><input type="checkbox"/> 5. Review not required.<br><input type="checkbox"/> For Drawing/Design Submittals, please refer to the attached DDS List for detailed status code. |   |   |   |  |  |
| Signature:    |   |   |   |  |  |
| <b>Review Comments:</b> <ul style="list-style-type: none"> <li>• Upon delivery of HILL Metals steel bars to site , the samples of each diameter of bars shall be collected for full quality test as per the ASTM 615/615M , the approved ITL tests report shall also be comprised the requirements of ASTM615/A615M clauses 7, 8 and 11</li> <li>• Manufacturer report regarding welding of steel is noted.</li> <li>• The third party MTL test report is noted</li> </ul>   |   |   |   |  |  |
| Code (2)   |   |   |   |  |  |
| The Construction Manager's approval shall not in anyway relieve the Contractor from full compliance with contractual obligations.  |   |   |   |  |  |
| Commented by:<br><br>Mumtaz Qureshi<br>Initial/Signature Over Printed Name  |   |   | Issued by:<br><br>Kifah Ghraizi<br>Deputy Project Manager |  |  |
| 18 September 2017  |   |   | 18 September 2017   |  |  |
| Date   |   |   | Date  |  |  |




|   |  |   |
|---|--|---|
| <p>THE CONSTRUCTION MANAGER:</p>  | <p>King Abdulaziz International<br/>Airport Development Project<br/>(Phase I) Jeddah, KSA</p>        | <p>THE CONTRACTOR:</p> <p>مجموعة بن لادن السعودية<br/>SAUDI BINLADIN GROUP</p>                          |
| <b>MATERIAL SUBMITTALS (MTS)</b>  |  |   |
| Submittal Ref. No. : 422-MTS-C-03336  | Rev. : 03  | Date: 17/09/2017 <span style="float: right;">dt</span>  |
| Submittal Title: Deformed Steel Rebars  |  |   |
| <p>Contractor Name: Saudi Binladin Group</p> <p>Contract No. / Title: J-10-422-PF-0 Aprons, Taxiways, Roads, Tunnels, Bridges, Load Centers and Infrastructure, Transportation Center and Supporting Facilities</p> <p>Subcontractor's Name: Mabani</p> <p>Specification Clause No. : 033000</p> <p>Drawing Ref. No. : NA</p> <p>Standard Ref. : ASTM A 615 Gr. 60</p> <p>Manufacturer's Name: Hill Metal Est.</p> <p>Country of Origin: SA - SAUDI ARABIA</p> <p>Supplier Name: Hill Metal Est.</p> <p>Supplier's Address: Makhata't Al-Karama Block 19, Al- Khumra Ind. Area, Jeddah 21331, KSA</p> <p>LEED Compliance: NA</p> <p>Area of Application: A000 - Master Plan</p> |  |   |
| <p>Description of Content :</p> <p>Deformed Steel Rebars (By: Hill Metal Est.)</p> <p style="margin-top: 20px;"><i>H.M.E.</i></p>   |  |   |
| <p>Attachment:</p> <p>No. of copy + original = <input type="text" value="3"/> Material sample included in the submission <input type="text" value="NA"/></p> <p>No. of softcopy (CD) = <input type="text" value="1"/> Others : NA</p>   |  |   |
| <p>Purpose of Submission:</p> <p><input checked="" type="checkbox"/> For Review &amp;&amp; Approval <input type="checkbox"/> For Information &amp;&amp; Records</p>   |  |   |
| <p>We certify that the above submitted items have been reviewed in details and are correct and in strict conformity with the Contract except as otherwise stated hereon.</p>  |  |   |
| <p>Prepared By (Doc. Originator):</p> <p><i>M. S. S. S. S.</i><br/>Name/Sign</p> <p>14.9.2017<br/>Date</p>  | <p>Reviewed By (QA Manager):</p> <p><i>Ousama Abbas</i><br/>Name/Sign</p> <p>14-09-2017<br/>Date</p> | <p>Approved By (Project Manager):</p> <p><i>[Signature]</i><br/>Name/Sign</p> <p>16.9.2017<br/>Date</p> |
| <p>F_SJB_01<br/>422/DAR/SBG/FRM/002-01; 03-Apr-11</p>   |  |   |



Takatuf Holding Group LLC



MORGANTI KSA



شركة العرب للمقاولات  
Al Arraby Contracting Co

**PROJECT: AQUA RAFFLES 5 STAR HOTEL, JEDDAH, KSA**

|                             |                                 |               |                             |
|-----------------------------|---------------------------------|---------------|-----------------------------|
| CLIENT                      | TAKATUF HOLDING L.L.C.          | DATE          | 28-Nov-17                   |
| PRINCIPLE DESIGN CONSULTANT | DSA                             | SUBMITTAL NO. | ACC-MGSA-PRQ-SE-CO-GE-00047 |
| SUPERVISION CONSULTANT      | MORGANTI KSA - MGSA             | REV           | 0                           |
| MAIN CONTRACTOR             | AL ARRABY CONTRACTING CO. - ACC | SHEET         | 1 OF 2                      |
| SUB-CONTRACTOR              |                                 |               |                             |

### TECHNICAL SUBMITTAL (T.S)

WE ARE FORWARDED HERewith  UNDER SEPARATE COVER  , THE MATERIAL LISTED BELOW:-

THIS SUBMITTAL IS INTENDED FOR (TICK AS APPROPRIATE)

|  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> APPROVAL COMMENT | <input type="checkbox"/> INFORMATION RECORD           | <input type="checkbox"/> AS PER YOUR REQUEST |
| TYPE: <input type="checkbox"/> GUARANTEE             | <input type="checkbox"/> CERTIFICATES                 | <input type="checkbox"/> TEST REPORT         |
| <input type="checkbox"/> METHOD STATEMENT            | <input checked="" type="checkbox"/> PRE-QUALIFICATION | <input type="checkbox"/> OTHERS              |

| ITEM NO. | SPEC/B.O.Q OR TEST REPORT                           | GENERAL DESCRIPTION & REVISION DETAILS  | COPIES                    | APPROVAL STATUS (CODE) |
|----------|---|---|---------------------------|------------------------|
| 1        | Project Structural Specs<br>12128-STR-SPC-SE-001-00 | Prequalification Supplier/manufacturer<br>HILL METALS EST (AL TILAL)<br>for Reinforcement Steel ASTM A615 Grade 60<br>Size from 12mm to 32 mm dia<br>Jeddah KSA | 1 Soft Copy + 1 Hard Copy | B                      |

ALTERNATE PROPOSAL: YES  NO

THE CONTRACTOR:  
We Certify that the data submitted herewith have been reviewed or done and are in strict conformance with the Contract Drawings and Specifications unless otherwise stated.

**INCOMING RECEIPTS:**

|  |  |   |
|--|--|---|
| ISSUED BY (CONTRACTOR)<br>NAME: <i>[Signature]</i><br>SIGNATURE: <i>[Signature]</i><br>STAMP: <i>[Stamp]</i><br>DATE: 28-11-17 | CHECKED BY (CONTRACTOR)<br>NAME: <i>[Signature]</i><br>SIGNATURE: <i>[Signature]</i><br>STAMP: <i>[Stamp]</i><br>DATE: | RECEIVED BY: MGSA<br>NAME:<br>SIGNATURE:<br>STAMP:<br>DATE: |
|--|--|---|

TO: CONTRACTOR. YOUR SUBMITTAL HAVE BEEN REVIEWED AND GIVEN THE APPROVAL CATEGORY AS NOTED ABOVE:-  
 FOR DETAILS OF OUR COMMENTS, REFER TO THE ATTACHED CONSULTANT COMMENTS  TICK IF ATTACHED

REMARKS: *Approved of materials are subject to!*

- 1) Chemical and Mechanical tests must be applied by approved Independent Laboratory as per the project specification and standard codes for all sizes.
- 2) Batch plant reference number must be attached with HTC for each delivery.

Contractor in comments made with in this submittal during reviews, does not relieve the Contractor from compliance with the requirements of the contract conditions, drawings and specifications. This check is only for review or general conformance with the design concept of the project and compliance with the information given in the contract documents. The Contractor is responsible for confirming and controlling all dimensions, selecting fabrication process and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner.

**OUTGOING RECEIPTS:**





|   |   |
|---|---|
| CONSULTANT - MGSA<br>NAME: _____ STAMP: _____<br>SIGNATURE: _____ | CONTRACTOR - ACC<br>NAME: _____ STAMP: _____<br>SIGNATURE: <i>[Signature]</i> |
|---|---|



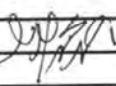

APPROVAL STATUS CODE:  A APPROVED  B APPROVED AS NOTED  C REVISE & RESUBMIT  D REJECTED

CC: *3) See the comments in the attached check list.* 29-11-17 *[Signature]*

*4) Sizes of steel reinforcement are: 12, 14, 16, 18, 20, 25, 32*



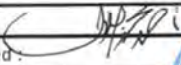



PG-PRQ-FRM-01 Rev. 02  
 TECHNICAL SUBMITTAL (T.S)




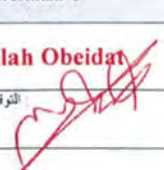

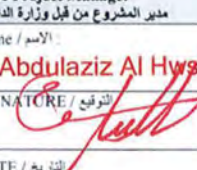
| <br>Takatuf Holding Group LLC | <br>MORGANTI KSA<br>A SINE SINCE | <br>شركة العرب للمقاولات<br>Al Arrab Contracting Co. |  |                                     |                |
|--|---|---|--|-------------------------------------|----------------|
| <b>PROJECT: AQUA RAFFLES 5 STAR HOTEL, JEDDAH, KSA</b>   |   |   |  |                                     |                |
| CLIENT : TAKATUF HOLDING L.L.C.  | SUBMITTAL NO.: ACC-MGSA-PRQ-SE-CO-GE-00047  |   |  |                                     |                |
| PRINCIPLE DESIGN CONSULTANT : DSA  | DATE: 28-11-17  |   |  |                                     |                |
| SUPERVISION CONSULTANT : MORGANTI KSA - MGSA   | Rev.: 0   |   |  |                                     |                |
| MAIN CONTRACTOR : AL ARRAB CONTRACTING CO. - ACC   | Sheet: 2 of 2   |   |  |                                     |                |
| SUB- CONTRACTOR/SUPPLIER : HILL METALS EST   |   |   |  |                                     |                |
| <b>PREQUALIFICATION - CHECK LIST (PRQ.C.L)</b>   |   |   |  |                                     |                |
| The contractor shall provide the following items:  |   |   |  |                                     |                |
| No.  | DESCRIPTION   | YES   | NO   | N.R                                 | COMMENTS       |
| 1  | Company Profile - including but not limited to:   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | ✓              |
| 1.1  | Management and staff organization chart   | <input type="checkbox"/>  | <input checked="" type="checkbox"/>            | <input type="checkbox"/>            | To be provided |
| 1.2  | List of the Projects done by the Company with date  | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | To be provided |
| 1.3  | Photos of Projects done by the Company-If available   | <input type="checkbox"/>  | <input type="checkbox"/>                       | <input checked="" type="checkbox"/> |                |
| 1.4  | Method Statement of all departments - If required   | <input type="checkbox"/>  | <input type="checkbox"/>                       | <input checked="" type="checkbox"/> |                |
| 1.5  | List of Equipment and Tools   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | ✓              |
| 2  | Company Visit As Per (FVR) - if required  | <input type="checkbox"/>  | <input type="checkbox"/>                       | <input checked="" type="checkbox"/> |                |
| 3  | Previous approvals from other consultants   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | ✓              |
| 4  | International / Local certificates As Per Project Specs   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | ✓              |
| 5  | Customer Testimonial  | <input type="checkbox"/>  | <input type="checkbox"/>                       | <input checked="" type="checkbox"/> | ✓              |
| 6  | Inspection Test Plan (ITP) - If required  | <input type="checkbox"/>  | <input type="checkbox"/>                       | <input checked="" type="checkbox"/> |                |
| 7  | Products Catalogue  | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | ✓              |
| 8  | QA / QC plan - if required  | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            |                |
| 9  | HSE PLAN - if required  | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            |                |
| 10   | Technical Support Department  | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | To be provided |
| 11   | Company Legal Status - including but not limited to:  |   |  |                                     |                |
| 11.1   | Commercial Registration   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | ✓              |
| 11.2   | Chamber of Commerce and Industry Membership Certificate   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | ✓              |
| 11.3   | Zakat Financial Certificate   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | ✓              |
| 11.4   | Social Insurance Certificate (GOSI)   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | To be renewed  |
| 11.5   | Saudization Certificate   | <input checked="" type="checkbox"/>   | <input type="checkbox"/>                       | <input type="checkbox"/>            | To be provided |
| Check By:  | Signature:                     |   | Date:  |                                     |                |
| This Form to be Attached with the PRQ Technical Submittal Form PM-PMT-FRM11 REV 02                             |   |   | DOC. NO. ACC-IARP-PF-05<br>Rev. 02/ 19-11-2017 |                                     |                |

|  |   |  |                                   |
|--|---|--|-----------------------------------|
| The Employer<br>  |   | The Contractor<br>   |                                   |
| Project:-  |   | Prj id:-   | As-13                             |
| <b>Material Submittal</b>  |   | Sl.no.:-   | AS-13-001                         |
|  |   | Ref.:-   | AS-MT-ST-001                      |
| Originator of submittal:-  | <b>Material For The steel</b>                   | Date & Sign:-  | 5/12/2015                         |
| Location of material to be used :-   | <b>Main CIVIL</b>                               | <b>List of Enclosure</b>   |                                   |
| Item description :-  | Material For The steel ( 12,14,16,18,20,25,32MM | <input type="checkbox"/>   | Compliance statement              |
| Ref.(spec/boq/drwg):-  |   | <input type="checkbox"/>   | Vendor's technical literature     |
| Material specified:-   | <b>Material for The steel For All Floors</b>    | <input type="checkbox"/>   | Copy of the related specification |
| Material proposed:-  |   | <input type="checkbox"/>   | Previous test result              |
| Manufacturer / local supplier :-   | ( مؤسسة التلال الحديثة لصناعة المعادن )         | <input type="checkbox"/>   | List of previous project done     |
| Reason for alternative:-   |   | <input type="checkbox"/>   | Others (specify)                  |
| <b>Main Contractor Statement:-</b> we certify that the material submitted herewith has been reviewed in details and in compliance with the contract drawing & specifications except as otherwise stated here above .   |   |  |                                   |
| Contractor stamp & sign :-   |   |   |                                   |
| Consultant received data:-   |   |    |                                   |
| <b>Architectural Eng . Comments</b>  |   |  |                                   |
| <p>- على أرضية من الطابق الأول وكونها مستعدة لاستخدامها في الأعمال اليومية<br/>         للاختبار بعد الانتهاء من (التجهيز، الـ yield) والاعتماد عليها كـ ASTM<br/>         - يتم تقديم نتائج اختبارها في يوم الثلاثاء الموافق (12/5/2015)<br/>         - لم يتم إرسالها مع عمل قبل تقديمها اعتماداً على نتائج الاختبار المطلوب.</p>            |   |  |                                   |
| Sign & date :-   |   |  |                                   |
| <b>Resident Engineer (Project Manager's) comments :-</b>   |   | <input type="checkbox"/> APP-APPROVED<br><input checked="" type="checkbox"/> AAN-APPROVED AS NOTED<br><input type="checkbox"/> Revise and Re- Submit<br><input type="checkbox"/> NA-NOT APPROVED |                                   |
| Sign & date :-   |   |  |                                   |
| NOTE:- corrections or comments made relative to submittal during this review do not relieve the contractor from compliance with the contract requirements & specifications . This check is only for review of general conformance with the design concept of the project & general compliance with information given in the contract documents |   |  |                                   |

3:00 PM

وارد  
 5/12/2015  


|   |   |  |                  |
|---|---|--|------------------|
| The Employer  |   | The Contractor   |                  |
|    |   |    |                  |
| Project:-   |   | Prj id:-   | AS-13-Sam-CIV-04 |
| <b>Sample Tag</b>   |   | Ref.:-   | 0                |
|   |   | Date:-   | 5/12/2015        |
| Originator of submittal :-  | مؤسسة التلال الحديثة لصناعة المعادن     | Date &   |                  |
| Authorized sign :-  |   |  |                  |
| Sample details :-   |   |  |                  |
| Item description :-   | عينات حديد بعرض (12,14,16,18,20,25,32م) |  |                  |
| Area of use :-  | All Floors                              |  |                  |
| <p><b>Main Contractor Statement:</b> we certify that the material submitted herewith is a specimen of the material which to be used in the areas described above , and in compliance with the contract drawing and specifications except as otherwise stated on the related material submittal form</p> |   |  |                  |
| Main Contractor Sign :-   |   |   |                  |
| Abdulelah Al Mohanna Engrs. received :-   |   |   |                  |
| Civil / MEP / Engineer's Comment :-   |   |  |                  |
| <p>استان ان بقدمه لضم رقم 005-AT-MT-AS سار 15/10/15</p>   |   |  |                  |
| Sign & date :-  |   |  |                  |
| Resident Engineer's (Project Manager's) Comments :-   |   | <input type="checkbox"/> ACC - ACCEPTED<br><input checked="" type="checkbox"/> AAN - ACCEPTED AS NOTED<br><input type="checkbox"/> Revise and Re-Resubmit<br><input type="checkbox"/> NA - NOT ACCEPTED  |                  |
| <p>فقط البورد<br/>                 التاريخ 15/10/15<br/>                 بالتوقيع<br/>                 15/10/15</p>    |   |  |                  |
| Date & sign :-  |   |  |                  |
| The Employer : Mr   | Sign & date :                           |  |                  |
| The Employer representative Mr :  | Sign & date :                           |  |                  |
| Contractor received :   | Sign & date :                           | <p>وارد<br/>                 مشري لبيداويد<br/>                 التاريخ 15/10/15<br/>                 بالتوقيع</p>  |                  |

|   |   |   |   |   |     |
|---|---|---|---|---|-----|
|  المالك :<br>وزارة الداخلية<br>وكلية الوزارة للتخطيط والتطوير الامني   |   | الاستشاري / CONSULTANT :<br>                       |   | المقاول / CONTRACTOR :<br> شركة الراشد للتجارة والمقاولات<br>AL-RASHID TRADING & CONTRACTING CO.<br>رأس مال مسجل (10) مليون ريال سعودي<br>02022 0017000 039999 PAID CAPITAL 50 MILLIONS \$ R |     |
| PROJECT NO / رقم المشروع  | 1480  | PROJECT NAME اسم المشروع  | INTEGRATED PUBLIC SECURITY OPERATION - IPSO   |   |     |
| Work Package / حزمة الأعمال   | GENERAL                                       | Area  | GENERAL   |   |     |
| Location / الموقع   | GENERAL                                       | Discipline  | Civil   |   |     |
| <b>تقديم مواد / MATERIAL SUBMITTAL</b>  |   |   |   |   |     |
| INTEGRATED PUBLIC SECURITY OPERATION - IPSO   |   |   |   |   |     |
| Ref. No / رقم المرجع  | IPSO-MAT-GEN-CIV-0002(B)                      |   | Rev. No.  | 00  |     |
| Sub. To / التقديم الى   | ARCHEN  | Date / التاريخ  | 25 DEC. 2016  | Contract No / رقم العقد   | N/A |
| Material Description (One Item only per each form) / ( مادة واحدة لكل نموذج )   |   |   |   |   |     |
| Prequalification & Material submittal for Reinforcement Steel.  |   |   | <input checked="" type="checkbox"/> As Specification / حسب المواصفات<br><input type="checkbox"/> Alternative / بديل |   |     |
| Drawing Ref / مرجع المخطط   | N/A   | B.O.Q Ref No / المرجع في جدول الكميات   | N/A   |   |     |
| Specification Ref / مرجع المواصفات  | SECTION: 03200                                | Standards, BS, DIN / المعايير   | SASO, ASTM  |   |     |
| <i>(Attach all relevant technical literature marked to identify descriptions, current test certificate, etc.)<br/>( ارفق كافة البيانات الفنية لايضاح الوصف وشهادات الاختبارات و خلائجه )</i>  |   |   |   |   |     |
| MANUFACTURE / SUPPLIER / المصنع / المورد  |   |   |   |   |     |
| Company Name / اسم الشركة :<br>Hill Metals EST.   |   | Local Manufactured / مُصنِع محلي : Hill Metals EST.<br>C.C.A.S.G Manufactured / مُصنِع خليجي : N/A                                  |   |   |     |
| Address / العنوان : Riyadh -KSA   |   | Production Period / مدة الانتاج :<br>Delivery Ex-Works / تسليم الاعمال السابقة : N/A<br>Total Delivery Time / مجموع الوقت للتسليم : |   |   |     |
| Local Agent / الوكيل المحلي :<br>Hill Metals EST.   |   | Overland / الشحن البري : N/A<br>Sea Freight / الشحن البحري : N/A<br>Total Freight / مجموع مدة الشحن : N/A                           |   |   |     |
| Programmed Date material required on site: As per Site Request.<br>التاريخ المبرمج للمادة لتتواجد بالموقع :   |   | Expected date of arrival on site: 10 days After Site Request.<br>التاريخ المتوقع للمادة لتتواجد بالموقع                             |   |   |     |
| Contractor's Authorized Manager<br>توقيع المدير المسؤول من قبل المقاول  |   | Name / الاسم : <u>Engr. M. Ibrahim Siddiqui</u>   | SIGNATURE / التوقيع :   |   |     |
|   |   | Position / الوظيفة : Procurement Manager-Civil  | DATE / التاريخ : 25 DEC. 2016   |   |     |
| Consultant's Comments / ملاحظات الاستشاري :<br><i>(An approval does not relieve the Contractor of his obligations under the Contract and he shall be liable for all acts, defaults and negligence by the subcontractor)</i><br><i>( الاعتماد لا يعفي المقاول من التزاماته بموجب العقد وسوف يكون مسؤولا عن جميع الاعمال والاعدادات الافتراضية والاهمال من جانب المقاول من الباطن )</i> |   |   |   |   |     |
| <b>This approval is subjected to factory visit and witnesses of mill certificates, please see our further comments in the attached sheet</b>  |   |   |   |   |     |
| Status / الحالة   | <input type="checkbox"/> A - APPROVED<br>معتد | <input checked="" type="checkbox"/> B - APPROVED AS NOTED<br>معتد بملاحظات  | <input type="checkbox"/> C - REVISE & RESUBMIT<br>اعادة تقديم بملاحظات  | <input type="checkbox"/> D - REJECTED<br>مرفوض  |     |
| Consultant's Representative<br>ممثل الاستشاري   |   | Consultant Project Manager<br>مدير المشروع من قبل الاستشاري   |   | MOI Project Manager<br>مدير المشروع من قبل وزارة الداخلية   |     |
| Name / الاسم :<br><b>Eng. Abdullah Obeidat</b>  |   | Name / الاسم :<br><b>Eng. Faisal Saleh</b>  |   | Name / الاسم :<br><b>Abdulaziz Al Hwshan</b>  |     |
| SIGNATURE / التوقيع :<br>  |   | SIGNATURE / التوقيع :<br>                        |   | SIGNATURE / التوقيع :<br>  |     |
| DATE / التاريخ :  |   | DATE / التاريخ :  |   | DATE / التاريخ :  |     |
| INCOMING / وارد   |   | OUTGOING / صادر   |   |   |     |
| DATE / التاريخ :  |   | DATE / التاريخ :  |   |   |     |
| SIGNATURE / التوقيع :   |   | SIGNATURE / التوقيع :   |   |   |     |



## Integrated Public Security Operation (IPSO)



### Material Approval submittal IPSO-MAT- -GEN- CIV -0002 (B)

In response to RTCC's submittal IPSO-MAT-GEN-CIV-0002 (B) - Revision 00 – released on: Jan 15, 2017 pertaining to the **Prequalification and Material for: Reinforcement steel by M/S Hill Metals Est.**, please be advised that the submittal has been reviewed and given the status **"B" Approved**, with the following comments:

#### Consultant's Comments:

1. Approval is subject to compliance with the contract documents and satisfactory performance throughout the contract.
2. Application will be as per manufacturer instruction.
3. All government certificates should be valid during the project cycle,
4. Contractor has to submit in a separate and specific submittal any material later on before delivery to site, and
5. Manufacturing facility will be visited by the consultant before starting any activity

RTCC has the right to submit further Suppliers as deemed necessary.

Code **"B" Approved as noted**, does not relieve the Contractor of his obligations under the Contract and he shall be liable for all acts, defaults and negligence.



This is for M/S. RTCC records.



Project: Construction of the Skeleton Works for Aljawhara Mall - Jeddah, KSA

| From: Nesma Trading Co. Ltd.  |                           | Zone #           |   | Transmittal No. JMP/NTC/AC/TR-2019-019 |  | Rev.: 00              |          |
|---|---------------------------|------------------|---|--|--|-----------------------|----------|
| To: ARCH CENTRE Consulting Architects & Engineers   |                           |                  |   | Date: 1-Jul-19                         |  |                       |          |
| Subject: Material Submittal   |                           |                  |   | SUBMITTED FOR * 1                      |  | CODE                  |          |
|   |                           |                  |   | APPROVAL                               |  | 1                     |          |
|   |                           |                  |   | YOUR INFORMATION                       |  | 2                     |          |
|   |                           |                  |   |  |  | 3                     |          |
| Type #  |                           | Lot #            |   | Discipline: CIVIL                      |  | ACTION **             |          |
|   |                           |                  |   |  |  | APPROVED A            |          |
|   |                           |                  |   |  |  | APPROVED AS NOTED B ✓ |          |
|   |                           |                  |   |  |  | REVISE & RE-SUBMIT C  |          |
|   |                           |                  |   |  |  | REJECTED D            |          |
|   |                           |                  |   |  |  | FOR INFORMATION R     |          |
| WE ARE SENDING HERewith, THE DOCUMENT(S) AS LISTED BELOW  |                           |                  |   |  |  |                       |          |
| QTY   | DRWS., SPEC. OR BOQ. REF. | ITEM REF. NUMBER | DESCRIPTION   | TYPE                                   | CODE   |                       |          |
| 1   |                           |                  | Material Submittal for Steel Reinforcement                              | MD                                     | Submittal 1  | Action 1              | B        |
|   |                           |                  | Manufacturer/Supplier: Hill Metals Est.                                 |  |  |                       |          |
|   |                           |                  |   |  |  |                       |          |
| COPIES  |                           |                  |   |  |  |                       |          |
|   |                           |                  |   | FOR CONTRACTOR                         | Karim Mirza - Project Manager  | DATE                  | 1-Jul-19 |
| <b>REMARKS:</b><br>CONSULTANT'S COMMENTS<br><p style="font-size: 1.2em; color: blue;">* should be do tensile test For some different random steel Rebars prior to cut &amp; bend &amp; installation</p>   |                           |                  |   |  |  |                       |          |
| COPIES  |                           |                  |   | Eng. M. F. Babbichi                    |  | DATE: 1/07/2019       |          |
|   |                           |                  |   | FOR CONSULTANT                         |  |                       |          |
| <small>Corrections or comments made relative to submittals during this review do not relieve the contractor from compliance with the requirements of the drawings and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions selecting fabrication processes and techniques of construction; coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner.</small> |                           |                  |   |  |  |                       |          |
| ROUTING   | DATE                      | SIGN             | * Code to be entered by Contractor; ** Code to be entered by Consultant |  | * Type   |                       |          |
| Original Recd. by ARCH CENTER (From Contractor)   |                           |                  | STAMP   |  | SD: Shop Drawings<br>SM: Sample<br>MD: Manufacturer's Data<br>CT: Certificates<br>GT: Guarantee<br>TT: Test<br>OT: Other |                       |          |
| Reply Received by Contractor (From Consultant)  | July 2, 2019              |                  |   |  |  |                       |          |




شركة دار البيان للتطوير العقاري  
مشروع أعالي جدة

### طلب اعتماد مواد MATERIAL-SUBMITTAL

|  |   |                               |  |
|--|---|-------------------------------|--|
| القسم<br>TRADE                           | تأهيل حديد                                    | Submittal No : رقم الطلب<br>5 | Revision No : رقم<br>0                       |
| Specs. Code & Ref / رمز التوضيح والمراجع | B.O.Q. Code Ref / رمز التصنيف في جدول الكميات | Part No / رقم القسم           | Date Submitted: 27 / 06 / 2019 تاريخ التقديم |
|  |   |                               | Date Returned: / / 2019 تاريخ الإرجاع        |

| رقم      | Description / الوصف   | Details / التفاصيل  |            |
|----------|---|---|------------|
|          | <p><b>hill metals EST</b><br/>مؤسسة التلال الحديثة لصناعة المعادن</p> <div style="border: 1px solid black; padding: 5px; text-align: center;">  <p>29-6-19 11-35<br/>RECEIVED<br/>Solaiman A. El Khoreiji<br/>Consultant</p> </div> <p style="color: blue; font-weight: bold;">لقد تم طلب اعتماد لائحة حديد تأهيل حديد</p> | <p><b>Submitted for</b> / القائمة من التقديم</p> <p>Approval / الموافقة <input type="checkbox"/></p> <p>Information / الاستعلام <input type="checkbox"/></p> <p>Coordination / التوافق <input type="checkbox"/></p> <p>Review / المراجعة <input type="checkbox"/></p> <p><b>Trade</b> / الموضوع</p> <p>Structural / عظم / إنشائي <input type="checkbox"/></p> <p>Architectural / معماري <input type="checkbox"/></p> <p>Mechanical / Plumbing / ميكانيك / سباكة <input type="checkbox"/></p> <p>Electrical / كهرباء <input type="checkbox"/></p> <p><b>Attachment</b> / المرفقات</p> <p>Certificates / الشهادات <input type="checkbox"/></p> <p>Tech. Brochure / منشور تقني <input type="checkbox"/></p> <p>Manufacturer's Data &amp; Specs. / المصنع والمواصفات <input type="checkbox"/></p> <p>Shop Drawings / الرسم البياني <input type="checkbox"/></p> <p>Sample / عينة <input type="checkbox"/></p> <p>Manual / كتيب تعريف <input type="checkbox"/></p> <p>Data file / ملف بيانات <input type="checkbox"/></p> <p>As Built Drawings / مخطط على الواقع <input type="checkbox"/></p> <p>Warranty / ضمان <input type="checkbox"/></p> <p>Others (Specify) / أخرى (تفكر) <input type="checkbox"/></p> |            |
| Item no. | Required Specification  | Proposed Specification  | Compliance |

**For Contractor** / خاص بالمقاول

Prepared by / إعداد

Resident Engineer / مهندس الموقع

Submitted By / تقديم

Tech. Off. Manager / مدير المكتب الفني

Checked By / المراجع

Construction Manager / مدير الإشراف

مؤسسة التلال الحديثة  
للمقاولات  
ت. ١١٠٠٤٢٥٠٧  
م. ١١٠٠٤٢٥٠٧  
Project Manager

**FOR Consultant USE ONLY** / خاص بالاستشاري / المستلم

Name / الاسم: عبد الله الخوري      Signature / التوقيع: [Signature]      Date: / / 2019 التاريخ: 30/06/2019

Remarks: بإيم مطابقة تباغ الإيجاد للبيان 2 بشدة من قبل المهندس والرجوع للمطابق مع اعتماد مؤسس تدوير كدائم لنظام المعادن مع الاستمرار العمل بتقديم تذاكر ائتمار ومبادرة من احد المعامل فيصير بتاريخ لتوريد المعروض - شركة ضمان عند إرسال المستندات - مطابقت صفة من شركة المعادن بالبيان لتأهيل حديد

Actions taken / الاجراءات المتخذة

|  |   |  |
|--|---|--|
| <p>Project Manager: <span style="font-size: 1.2em;">[Signature]</span></p> <p>Signature: <span style="font-size: 1.2em;">[Signature]</span></p> <p>Date: <span style="font-size: 1.2em;">30/06/2019</span></p> | <p>Resident Engineer / مهندس الموقع</p> | <p>Approved <input type="checkbox"/> A</p> <p>Approved with comments <input type="checkbox"/> B</p> <p>Revise and Resubmit <input type="checkbox"/> C</p> <p>Rejected <input type="checkbox"/> D</p> |
|--|---|--|

Approval, corrections or comments made relative to this review do not relieve the Contractor from compliance with the requirements of the drawings or specifications. This check is only for general compliance with the design concept of the project and general compliance with the information given in the Contract documents. The Contractor is responsible for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe, timely, and satisfactory manner.

**Distribution** / نسخة إلى

OWNER / المالك

CONSULTANT / الاستشاري

CONTRACTOR / المقاول

**Received** / المستلم

Contractor's Signature / توقيع المقاول

ع - خراطة الجرافيك لسي وأصول لضمان وتعليمان شركة طينم انشاء أعمال التأسيس



هيئة تطوير منطقة مكة المكرمة



## Makkah Public Transport Program - MPTP

|                  |   |      |   |
|------------------|---|------|---|
| Document Title:  | Hill Metal Est. Company Profile<br>Doc. No.: BP1OMSC-TNC-CIV00-PQD-000004-A |      |   |
| Document Number: | BP1OMSC-PBA-CIV00-CRS-000020  | Rev. | A |
| Approval Code:   | B - Approved with Comment   |      |   |
| Date:            | Sunday, November 04, 2018   |      |   |

### Bus Network Phase - 1







## Document/Submittal Review Comment Sheet

Comments provided only to assist the contractor, such comments do not relieve the contractor from his contractual responsibilities

|   |  |
|---|--|
| <b>Contractor</b> : Advanced Construction Company                                 | <b>Project No.:</b> B4-19001           |
| <b>Contract No.</b> : 19/15/001/7500/15/00/4                                      | <b>Ref. No.</b> :                      |
| <b>Project Name</b> : Bridge at Intersection of Sari Road with King Fahd Road,KSA | <b>Date</b> : 26 <sup>th</sup> July 19 |
| <b>Submittal Ref</b> : ACC/7500/JDSR/ML/205                                       |  |
| <b>Subject: Pre-qualification For Hill Metals EST as Steel Supplier</b>           |  |

- 1) Hill Metal can be used as an approved Reinforcement Steel Rebar Source.
- 2) Material Delivered to site are subjected to Quality test.
- 3) Contractor should submit Material submittal and sample of Relevant Products (Along with all Relevant Delivery note & Manufacturer certificate (MTC) with Traceability of project of Hill Metal products co.
- 4) AS per ASTM A615 GR60 documents and third party test results with heat No. for Final Review & approval.

*Handwritten signature and date:*  
11/07/19



MAIL TYPE  
Workflow Transmittal

MAIL NUMBER  
V3 ME-WTRAN-006262

REFERENCE NUMBER  
V3 ME-WTRAN-006262

Final (WF-002933) Materials Approval

From: Mr Imad Tarbiyyah - V3 Middle East Engineering Consultants Co.  
To (3): Mr Randi Reyes - Alsaad General Contracting Co. Ltd. (+2 more...)  
Sent: Thursday, July 25, 2019 5:49:15 PM AST (GMT +03:00)  
Status: N/A

DOCUMENT ATTACHMENTS (1)

(0 selected)

| File | Document No                | Revision | Revision Date | Title   | Status                |
|------|----------------------------|----------|---------------|---|-----------------------|
|      | ZBP-SGC-HQCC-MAT-CVL-00004 | 00       | 7/18/19       | Material Approval for Reinforcement Steel Bars (Hill Metals Est.) | B - Approved As Noted |

ATTRIBUTES

Attribute 1: Common Documents for HQ and CC  
Attribute 2: C-Civil

*Dear Ahmed,  
Please Arrange for  
3rd Party Testing.  
27 July 19*

MESSAGE

Workflow Review History




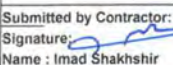
The attached documents have completed the "Materials Approval" workflow with the following results :

| Doc No                     | Step             | Participant | Review Outcome        | Comments  |
|----------------------------|------------------|-------------|-----------------------|---|
| ZBP-SGC-HQCC-MAT-CVL-00004 | Materials Review | I Tarbiyyah | B - Approved as Noted | Contractor is advised to have other alternative suppliers. - Final approval subjected to 3rd party testing of the sample collected from the material delivered at site. -Attach all related documents for material submittal. |

| Received Date  | Action | Info |
|----------------|--------|------|
| 27 7 19        |        |      |
| PD             |        |      |
| PM             |        |      |
| CM             |        |      |
| QS             |        |      |
| P.E            |        |      |
| QA/QC          |        |      |
| SAFETY         |        |      |
| SITE ENGINEERS |        |      |
| SURVEYOR       |        |      |
| ADMIN          |        |      |
| TIME KEEPER    |        |      |
| STORE KEEPER   |        |      |
| MEP            |        |      |
| INSURANCE      |        |      |
| ENGINEERING    |        |      |
| MECH           |        |      |
| ELECTRICAL     |        |      |
| PILE           |        |      |

This table was automatically generated.

Hill

|    | <br>شركة الزاهد للتراكتورات<br><b>ZAHID TRACTOR</b>   |                                    |  |   |         |
|---|--|---|--|---|---------|
| PROJECT : ZAHID BUSINESS PARK   |  |   |  |   |         |
| MATERIAL SUBMITTAL  |  |   |  |   |         |
| PURPOSE OF SUBMITTAL  |  |   |  |   |         |
| <input checked="" type="checkbox"/> CIVIL <input type="checkbox"/> STRUCTURAL <input type="checkbox"/> ARCHITECTURAL <input type="checkbox"/> MECHANICAL <input type="checkbox"/> ELECTRICAL <input type="checkbox"/> OTHERS  |  |   |  |   |         |
| PROVIDED DOCUMENTS  |  |   |  |   |         |
| <input type="checkbox"/> CATALOGUES <input type="checkbox"/> CERTIFICATES <input type="checkbox"/> SAMPLE <input type="checkbox"/> TECHNICAL DATA<br><input type="checkbox"/> DRAWING <input type="checkbox"/> CALCULATIONS <input checked="" type="checkbox"/> SPECIFICATIONS <input checked="" type="checkbox"/> OTHERS |  |   |  |   |         |
| <input checked="" type="checkbox"/> New Request   | DOC No.<br>ZBP-V3-ALSAAD-HQ+CC-MTRL-CV-004-REV00   | Date of Submittal<br>18 July 2019   |  |   |         |
| <input type="checkbox"/> Resub. Request   |  | SUBMITTED FOR<br><input checked="" type="checkbox"/> APPROVAL<br><input type="checkbox"/> YOUR INFO                   |  |   |         |
| Contractor's Remarks & Exceptions   |  |   |  |   |         |
| DRAWING SUBMITTAL :   |  |   |  |   |         |
| No.   | QTY  | DOC REF # / BOQ REF #   | TITLE / DESCRIPTION / MANUFACTURER   | ACTION  | REMARKS |
| 01  | 1  | BOQ Div. 03, Section - 003300 HQ+CC<br>POWERHOUSE<br>MAIN BUILDING<br>INFRASTRUCTURE<br>SPECS. SECTION - 003300 HQ+CC | Zahid Business Park Project - HQ & CC Building<br>Reinforcement Steel Bars |   |         |
|   |  |   | Supplier:<br>Hill Metals Est.  |   |         |
| ATTACHEMENTS  |  |   | Reinforcement Steel Bars of Hill Metals Est.                               |   |         |
| Submitted by Contractor:<br>Signature: <br>Name : Imad Shakhshir   |  |   | Received By: V3 M.E. Consultants<br>Signature:<br>Name :                   |   |         |
| Position : PM<br>Date : 18 July 2019  |  |   | Position :<br>Date :   |   |         |
| FOLLOW UP IS REQUIRED BY:   |  |   | Consultant's Comments Remarks  |   |         |
|   |  |   |  |   |         |
| ACTION  | <input type="checkbox"/> A Approved As Submitted<br><input type="checkbox"/> B Approved As Noted Resubmission not required<br><input type="checkbox"/> C Resubmission required<br><input type="checkbox"/> D Disapproved<br><input type="checkbox"/> E No Action Taken | For : V3 Middle East Consultant Company<br>Signature:<br>Name:<br>Position:<br>Date :                                 |  | Received By:<br>Signature:<br>Name :<br>Position:<br>Date : |         |

QIC-MassGrading GateKeeper  
QIDDIYA INVESTMENT COMPANY

Final (WF-001140) MG Technical Submittals <<HILL METALS ...  
WORKFLOW TRANSMITTAL

7:26 AM  
QIC-WTRAN-007379



MAIL TYPE  
Workflow Transmittal

MAIL NUMBER  
QIC-WTRAN-007379

REFERENCE NUMBER  
QIC-WTRAN-007379

**Final (WF-001140) MG Technical Submittals <<HILL METALS EST. >>**

From QIC-MassGrading GateKeeper - Qiddiya Investment Company  
To (2) Mr hamed hamoda - ABDUL ALI AL AJMI (+1 more...)  
Cc Mr Mohamed Anas - Qiddiya Investment Company  
Sent Monday, 17 August 2020 7:26:17 AM AST (GMT +03:00)  
Status N/A

DOCUMENT ATTACHMENTS (1)

(0 selected)

| File | Document No                              | Revision | Revision Date | Title            | Status                     |
|------|--|----------|---------------|------------------|----------------------------|
|      | QI090430208-AJM-TEC-PQD-CIV-00-Z00-00006 | 01       | 06/08/2020    | HILL METALS EST. | B - Approved with Comments |



MESSAGE

Workflow Review History

The attached documents have completed the "MG Technical Submittals <<HILL METALS EST. >>" workflow with the following results :

*This transmittal was automatically generated*

| Doc No                                   | Step                 | Participant  | Review Outcome             | Comments                    |
|--|----------------------|--------------|----------------------------|-----------------------------|
| QI090430208-AJM-TEC-PQD-CIV-00-Z00-00006 | Technical submittals | Q GateKeeper | B - Approved with Comments | Refer to Engineer Comments. |

MAIL TYPE  
Workflow Transmittal

MAIL NUMBER  
QIC-WTRAN-005679

REFERENCE NUMBER  
QIC-WTRAN-005679

---

Final (WF-001739) QLP-SAJCO Technical Submission <Material Submittal For Reinforcing Steel 10,12,14,16,18,20,25 And 32mm (Modern Hill Metals Industries)>

---

From: QIC - Lower Plateau GateKeeper - Qiddiya Investment Company

To (2): SAJ.GK QLP - General Contracting (+1 more...)

Cc: Mr Mohamed Anas - Qiddiya Investment Company

Sent: Tuesday, 19 January 2021 8:52:24 AM AST (GMT +03:00)

Status: N/A

---

DOCUMENT ATTACHMENTS (1)

Download Actions View File Properties Update Register

(0 selected)

|                          | File | Document No                            | Revision | Revision Date | Title  | Status                     |
|--------------------------|------|--|----------|---------------|--|----------------------------|
| <input type="checkbox"/> |      | QI0904354-SAJ-TEC-MTS-STR-00-SE0-00006 | 00       | 23/12/2020    | Material Submittal For Reinforcing Steel 10,12,14,16,18,20,25 And 32mm (Modern Hill Metals Industries) | B - Approved with Comments |

---

MESSAGE






*Workflow Review History*

The attached documents have completed the "QLP-SAJCO Technical Submission <Material Submittal For Reinforcing Steel 10,12,14,16,18,20,25 And 32mm (Modern Hill Metals Industries)>" workflow with the following results :

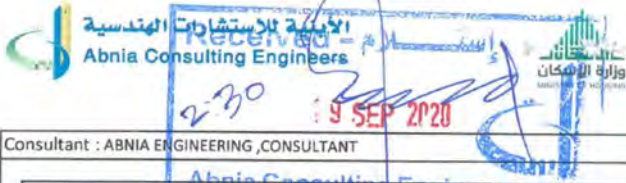
*This information was automatically generated.*

| Doc No                                 | Step       | Participant  | Review Outcome             | Comments   |
|--|------------|--------------|----------------------------|--|
| QI0904354-SAJ-TEC-MTS-STR-00-SE0-00006 | QIC Review | Q GateKeeper | B - Approved with Comments | - Renew MOT approval. - the delivered material shall comply with the project specifications. |



| <b>dar</b>  |  | <b>Material Submittal</b>  |   |
|---|--|--|---|
|   |  | Date: 24-Sep-20  |   |
|   |  | Material Submittal No.: S19091-DIB-NASJV-PK1-MAT-S-0006-01   |   |
| Project no. & Title: S19091-DESIGN AND EXECUTION OF KING SALMAN AIR BASE FACILITIES IN DYRAB (CENTRAL SECTOR)   |  |  |   |
| Client:   |  | Construction Supervision Consultant:   | Contractor:   |
|    |  |   |  |
| 1. Material description (one item only on this form) :  |  |  |   |
| Steel Reinforcement Bar Uncoated (Black)  |  |  |   |
| Area of application: VARIOUS  |  | B.O.Q. Item No.:   |   |
| Drawing ref: VARIOUS  |  | Standards:   |   |
| Specification Ref: 3200   |  |  |   |
| Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate   |  |  |   |
| 2. Manufacturer / supplier  |  |  |   |
| Company Name: HILL METALS EST.  |  |  |   |
| Address: JEDDAH KSA   |  |  |   |
| Local agent:  |  |  |   |
| 3. Delivery : KSA   |  |  |   |
| Country of origin:  |  |  |   |
| Availability: <input checked="" type="radio"/> Locally Manufactured <input type="radio"/> Overseas  |  |  |   |
| Delivery:   |  | Ex-works total duration:   |   |
|   |  | Estimated time of arrival on site:   |   |
| Program:  |  | Date material required on site:  |   |
|   |  | Latest date for order:   |   |
| We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated, also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely. |  |  |   |
| Submitted by: NASJV - Engineer  |  | Signature:   |   |
| 4. Construction Supervisor's Representative comments:   |  | M.Q  |   |
| Refer to the attached comments on 01(A4) sheet.   |  | <input type="checkbox"/> Approved<br><input checked="" type="checkbox"/> Approved as noted<br><input type="checkbox"/> Revise and resubmit<br><input type="checkbox"/> Rejected<br><input type="checkbox"/> Sample required<br><input type="checkbox"/> Tests required<br><input type="checkbox"/> Additional information required<br><input type="checkbox"/> Manufacturer's guarantee required |   |
| Name:    |  | Date: 24-9-2020  |   |
| 5. Employer's representative comments:  |  | <input type="checkbox"/> Approved<br><input type="checkbox"/> Approved as noted<br><input type="checkbox"/> Revise and resubmit<br><input type="checkbox"/> Rejected   |   |
| Name:   |  | Date:  |   |
| Signature:  |  |  |   |

Approval shall not relieve Contractor of his liability under the Contract or constitute authorization of any change to Contract Documents.



Consultant : ABNIA ENGINEERING ,CONSULTANT Contractor : Sany Alameriah Co.

Abnia Consulting Engineer  
**MATERIAL SUBMITTAL**

Project Name: Telal Alghoroub-Prince Fawaz District Project No. [ ]  
 Contractor: Sany Alameriah Co. Contract No. [ ]  
 Attachment Nos. 1

Submittal No. SMT-093 Submittal Date 16-09-2020 Revision No. 00 Previous Submittal Date [ ]

PURPOSE OF SUBMITTAL  For Information  For Comment  For Approval

DISCIPLINE  Civil  Architectural  Structural  HVAC  Plumbing  Mechanical  Others

ATTACHMENT  Catalogue  Drawing  Certificate  Sample  Tech. Data  Calculation  Compliance Sh.

MATERIAL/EQUIPMENT Note: Please use the attachment in case items are more than the provided space.

| Submittal Ref # | Name, No. and Description    | B.O.Q Item Ref. | Manufacturer/Supplier                 | Specification Ref. | Action Code | Used         |
|-----------------|------------------------------|-----------------|---------------------------------------|--------------------|-------------|--------------|
|                 | BARS SIZE 6mm to 32mm , Gr60 | DIV#03          | MODERN HILL METALS INDUSTRIES FACTORY | 3200               | B           | ALL BUILDING |

Contractor's Project Manager Name: Alaa Shaltout *[Signature]*

Signature: \_\_\_\_\_ Date: 16-9-2020

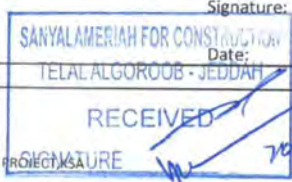
Consultant's Remarks Approval of the above materials does not relieve the Contractor from his contractual obligations

*1- Licence of use quality mark for only dia (12mm up to 32mm)  
 2- Make the mechanical and chemical tests according to code in the approved third party lab for the diameters that required to be approve and use.*

Consultant Representative Name: Ashraf Aliwa *[Signature]* Date: 20/9/20

Action Code  A No Objection To Proceed  B No Objection To Proceed (Subject to Noted Comments)  C Re-Submit  D Disapproved  E No Action (For Information Only)

REF. IN: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_ REF. OUT: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: 20/9/20



|   |  |               |                     |
|---|--|---------------|---------------------|
| Project   | Client   | Engineer      | Contractor          |
|   |  |               |                     |
| <b>Document Transmittal Form (DTF)</b>  |  |               |                     |
| Submittal Ref.  | SD-732   | Revision:     | 00                  |
| Date:   | 27/10/2020   |               |                     |
| Project:  | TELAL ALGHOROUB-PRINCE FAWAZ DISTRICT-JEDDAH   |               |                     |
| Client:   | MINISTRY OF HOUSING  |               |                     |
| Engineer:   | ABNIA CONSULTANT ENGINEERS   | Contractor:   | SANY AL-AMERIAH CO. |
| <b>Discipline:</b>  |  |               |                     |
| <input type="checkbox"/> Civil <input type="checkbox"/> Architecture <input type="checkbox"/> Mechanical <input type="checkbox"/> Electrical <input type="checkbox"/> Information Technology<br><input type="checkbox"/> Quality <input type="checkbox"/> Landscape <input type="checkbox"/> Safety <input type="checkbox"/> Project Control <input type="checkbox"/> Payment |  |               |                     |
| <b>Document Details:</b>  |  |               |                     |
| Document Title:   | Test report of steel reinforcement of physical and chemical for 12mm,14mm,16mm, 20mm,25mm and 32mm form Modern Hill Metals Industries Factory .                                    |               |                     |
| Document No :   | Doc. Rev:  | No. of Items: | Media:              |
| <b>Contractors:</b>   |  |               |                     |
| Name:   | Hazem  | Signature:    | Date: 27/10/20      |
| <b>Received By engineer:</b>  |  |               |                     |
| Name:   |  | Signature:    | Date:               |
| <b>Engineering Review:</b>  |  |               |                     |
| Status:   | <input type="checkbox"/> A- Approved <input checked="" type="checkbox"/> B- Approved as Noted <input type="checkbox"/> C- Revise and Resubmit <input type="checkbox"/> D- Rejected |               |                     |
| Comments:   | Test conducted by Aces lab (Third party) under Tilal responsibility  |               |                     |
|   |  |               |                     |
| <b>Engineering:</b>   |  |               |                     |
| Reviewer Name:  | [Signature]  | Signature:    | Date: 29/10/2020    |
| Approver Name:  |  | Signature:    | Date: 29/10/20      |
| <b>Received by Contractor:</b>  |  |               |                     |
| Name:   |  | Signature:    | Date:               |

دار الهندسة والتصميم والاستشارات الفنية  
(شاعر ومشاركوه)

dar

December 15, 2020 G  
30/04/1442H

Ref. : DAR/SBG422/14718

Eng. Khaled Al-Hajrasi  
Project Director  
Saudi Binladin Group - SBG  
P.O. Box 11789  
Jeddah 21463  
Kingdom of Saudi Arabia

Tel. : 012 692 7103  
Fax : 012 616 3932

المهندس / خالد الهجرسي  
مدير عام المشروع  
مجموعة بن لادن السعودية  
ص.ب ١١٧٨٩  
جدة ٢١٤٦٣  
المملكة العربية السعودية  
هاتف : ٠١٢ ٦٩٢٧١٠٣  
فاكس : ٠١٢ ٦١٦٣٩٣٢

Contract No. : 10-422-PF-0

رقم العقد : ١٠-٤٢٢-١٠٠-٠ بي اس بي

Contract Title : Aprons, Taxiways, Roads,  
Tunnels, Bridges, Load Centers  
and Infrastructure, Transportation  
Center and Supporting Facilities

مسمى العقد : مساحات وممرات الطيران، الطرق، الأنفاق،  
الجسور، مراكز المتاعف والبنية التحتية، مركز  
نقل الركاب والمرافق المساندة

Subject : 422-MTS-C-03336-03 (Deformed  
Stein Rebars)/for all projects  
packages 421-422 – Updating  
area of application

الموضوع : تقديم مسود 422-MTS-C-03336-03  
(Deformed Steen Rebars)  
المشروع 421-422- تحديث منطقة التطبيق

Dear Eng. Al-Hajrasi,

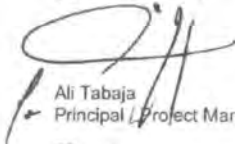
حفاة المهندس/ الهجرسي

Reference is made to KAIADF, Phase-1 and Contractor letter Ref. SBG422/DAR/12774 dated 26/10/2020 regarding the above subject, the Deformed Steel Rebars (By Hill Metals Est.) already approved as per the previous CM reply to submittals no. 422-MTS-C-03336-03 and the contractor can use the said reinforcing steel bars, however, the contractor is hereby requested to collect and conduct routine quality tests for each diameter of bars and the ITL tests report shall comprised the requirements of ASTM 615/615M clauses 7, 8 and 11. MIR shall be submitted for each consignment.

اشارة الى مشروع تطوير مطار الملك عبدالعزيز الدولي/ المرحلة الاولى وخطاب المفاول رقم SBG422/DAR/12774 وتاريخ ٢٦/١٠/٢٠٢٠م بخصوص الموضوع المذكور اعلاه، حديد التسليح Deformed Steel Rebars (من Hill Metals Est. سبق اعتماده حسب رد المدير الاشرافي السابق على التقديم رقم 422-MTS-C-03336-03 ويامكان المقاول استعمال قضبان حديد التسليح المذكورة، ومع ذلك ويموجه على المقاول جمع واجراء اختبارات جودة روتينية لكل قطر من القضبان وأن يتضمن تقرير اختبارات ITL متطلبات ASTM 615/615M البنود 7, 8 and 11 ويجب تقديم تقرير فحص المواد لكل شحنة

Yours sincerely,  
For Dar Al-Handasah Consultants  
(Shair & Partners)

وتفضلوا بقبول وافر تحياتنا،  
عن/ دار الهندسة والتصميم والاستشارات الفنية  
(شاعر ومشاركوه)




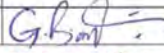

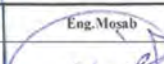
  
Ali Tabaja  
Principal / Project Manager

فهرس دار الهندسة  
والاستشارات الفنية  
dar

المهندس/ علي طباجة  
المدير الرئيسي للمشروع

CC : -  
Encl : -

نسخة الى : -  
المرافقات : -

|  OWNER / المالك<br>شركة لسن للاستثمار<br>المملكة العربية السعودية |   |  CONSULTANT / الاستشاري<br>شركة (أو. إنو. سم. إي) المحدودة وشريكها<br>الاستشارات الهندسية |   | CONTRACTOR / المقاول<br>P.O. Box 242146,<br>Riyadh 11322<br>Kingdom of Saudi Arabia.  |   |   |   |
|--|---|--|---|--|---|---|---|
| PROJECT NO / رقم المشروع   |   | 1916   |   |  |   |   |   |
| PROJECT NAME / اسم المشروع   |   | Venan Housing Project  |   |  |   |   |   |
| LOCATION / الموقع  |   | Al Hamdaniya District in Jeddah Region   |   |  |   |   |   |
| <b>SUPPLIER &amp; MATERIAL SUBMITTAL</b>   |   |  |   |  |   |   |   |
| Ref. No / رقم الطلب  | MOH-BCC-VN-SS-CI-0078   | Contract No / رقم العقد  | -----   |  |   |   |   |
| SUB. TO ENGR. / التقديم إلى المهندس  | Eng.Mosaab  | Date / التاريخ   | 31/1/2021   | Sunday   |   |   |   |
| <b>MATERIAL DESCRIPTION / وصف المواد</b>   |   |  |   |  |   |   |   |
| 1  | MODERN HILL METALS INDUSTRIES FACTORY (DEFORM REBARS OF ALL DIAMETER) |  |   |  |   |   |   |
| <b>BOO Item No.</b>  |   | 2  | <b>Project Spec</b>   |  |   |   |   |
| <b>MANUFACTURER / المصنع</b>   |   |  |   |  |   |   |   |
| م  | NAME / الشركة   | رقم الهاتف / TELEPHONE   | TITLE / العنوان   | APPROVED CODE  |   |   |   |
|  |   |  |   | A  | B   | C | D |
| 1  | MODERN HILL METALS INDUSTRIES FACTORY                                 | 966556797987   | Deform Rebar  |  |   |   |   |
| 2  |   |  |   |  |   |   |   |
| Attachment   |   | (Prequalification of Company) and Data sheet.  |   |  |   |   |   |
| عند تعبئة النموذج يشهد المقاول ان الوثائق تطابق مع مواصفات العقد   |   |  |   |  |   |   |   |
| Contractor's Authorized Manager<br>المدير المعقول من قبل المقاول   |   | Name / الاسم :<br>Signature / التوقيع :  | Glulam Rasool Khan<br> | Name / الاسم :<br>Signature / التوقيع :  | Eng. Hassan PM<br> |   |   |
| <b>REVIEW CODE STATUS / رمز الأختام</b>  |   |  |   |  |   |   |   |
| A  | APPROVED  |  |   | B  | APPROVED AS NOTED   |   |   |
| C  | REVISE AND SUBMIT   |  |   | D  | DISAPPROVED   |   |   |
| <b>CONSULTANT NOTES / ملاحظات الاستشاري</b>  |   |  |   |  |   |   |   |
| 1  | <del>لا يتابع مع الإحتياج للمصري ولا يتابع التوريب</del>              |  |   |  |   |   |   |
| 2  | الرجو تكبير إحتياج المصنع   |  |   |  |   |   |   |
| 3  | والهيتات هم موزونة الإحتكام و إرتفاق إحتياج المصنع                    |  |   |  |   |   |   |
| 4  | المصنع لا يتابع مع الإحتياج للمصري ولا يتابع التوريب                  |  |   |  |   |   |   |
| هذه الموافقة لا تخلى المقول من المسؤولية حسب متطلبات العقد   |   |  |   |  |   |   |   |
| Consultant's Authorized Manager<br>المدير المعقول من قبل الاستشاري   |   | Signature / التوقيع :  | Eng.Mosaab<br>         | Position / الوظيفة   | Project Manager   |   |   |
|  |   | Date / التاريخ   | 31/01/2021  |  |   |   |   |
| CC LADUN , BUILT AND OTCE SAUDI  |   |  |   |  |   |   |   |

شركة (أو. إنو. سم. إي) المحدودة وشريكها  
الاستشارات الهندسية  
رقم الترخيص: ٥٦١١٦٢٠٠٠ - ٥٦١١٦٢٠٠٠  
مشروع (أو. إنو. سم. إي) - جدة  
التاريخ: ٣١/٠١/٢٠٢١

8/14/2021

Aconex

Bechtel Document Management  
BECHTEL KSA

Final (WF-007396) WO 22- Material Approval for Reinfor...  
WORKFLOW TRANSMITTAL

12/08/2021  
BEC-WTRAN-012510

**10 Spine Infrastructure**  
Spine Infrastructure  
NEOM  
Saudi Arabia



MAIL TYPE  
Workflow Transmittal

MAIL NUMBER  
BEC-WTRAN-012510

REFERENCE NUMBER  
BEC-WTRAN-012510

**Final (WF-007396) WO 22- Material Approval for Reinforcement Steel for Concrete Structures (Al Tilal Steel Company)-RD-15E B(25-41KM)**

From: Bechtel Document Management - Bechtel KSA  
To (2): Bechtel Document Management - Bechtel KSA (+1 more...)  
Cc (4): Mr David Quigley - Bechtel KSA (+3 more...)  
Sent: Thursday, 12 August 2021 10:41:10 PM AST (GMT +03:00)  
Status: N/A

**DOCUMENT ATTACHMENTS (2)**

(0 selected)

| File | Document No                             | Revision | Revision Date | Title   | Status           |
|------|---|----------|---------------|---|------------------|
|      | 10-662154-0000100201-MAH-CIV-CRS-000040 | 02       | 31/07/2021    | WO 22- Material Approval for Reinforcement Steel for Concrete Structures (Al Tilal Steel Company)-RD-15E B(25-41KM)_CRS | Work May proceed |
|      | 10-662154-0000100201-MAH-CIV-MAT-000004 | 02       | 31/07/2021    | WO 22- Material Approval for Reinforcement Steel for Concrete Structures (Al Tilal Steel Company)-RD-15E B(25-41KM)     | Work May proceed |

**MESSAGE**

**Workflow Review History**

The attached documents have completed the "WO 22- Material Approval for Reinforcement Steel for Concrete Structures (Al Tilal Steel Company)-RD-15E B(25-41KM)" workflow with the following results :

*This transmittal was automatically generated.*

| Doc No | Step | Participant | Review Outcome | Comments |
|--------|------|-------------|----------------|----------|
|--------|------|-------------|----------------|----------|

<https://ksa1.aconex.com/Logon>

1/2

9/13/21, 7:33 AM

Aconex

Bechtel Document Management  
BECHTEL KSA

Final (WF-010136) WO 26- Materials Approval for Reinf...  
WORKFLOW TRANSMITTAL

YESTERDAY  
BEC-WTRAN-016192

**10 Spine Infrastructure**  
Spine Infrastructure  
NEOM  
Saudi Arabia



MAIL TYPE  
Workflow Transmittal

MAIL NUMBER  
BEC-WTRAN-016192

REFERENCE NUMBER  
BEC-WTRAN-016192

### Final (WF-010136) WO 26- Materials Approval for Reinforcement Steel for Concrete Structures By Al Tilal Steel Company -RD-17 West 2(4-10km)&RD-11A

**From** Bechtel Document Management - Bechtel KSA  
**To (2)** Bechtel Document Management - Bechtel KSA (+1 more...)  
**Cc (4)** Mr David Quigley - Bechtel KSA (+3 more...)  
**Sent** Sunday, 12 September 2021 5:49:58 PM AST (GMT +03:00)  
**Status** N/A

**DOCUMENT ATTACHMENTS (2)**

(0 selected)

| File | Document No                             | Revision | Revision Date | Title  | Status           |
|------|---|----------|---------------|--|------------------|
|      | 10-662171-0000100201-MAH-CIV-CRS-000035 | 01       | 06/09/2021    | WO 26- Materials Approval for Reinforcement Steel for Concrete Structures By Al Tilal Steel Company -RD-17 West 2(4-10km)&RD-11A_CRS | Work May proceed |
|      | 10-662171-0000100201-MAH-CIV-MAT-000009 | 01       | 06/09/2021    | WO 26- Materials Approval for Reinforcement Steel for Concrete Structures By Al Tilal Steel Company -RD-17 West 2(4-10km)&RD-11A     | Work May proceed |

**MESSAGE**

**Workflow Review History**

The attached documents have completed the "WO 26- Materials Approval for Reinforcement Steel for Concrete Structures By Al Tilal Steel Company -RD-17 West 2(4-10km)&RD-11A" workflow with the following results :

*This transmittal was automatically generated.*

| Doc No | Step | Participant | Review Outcome | Comments |
|--------|------|-------------|----------------|----------|
|--------|------|-------------|----------------|----------|



## MATERIAL APPROVAL REQUEST - (MAR)

|                          |  |                   |  |
|--------------------------|--|-------------------|--|
| <b>Project Name:</b>     | The Procurement of TBC's Schools Infrastructure Programme - Wave 1 | <b>Ref No.:</b>   | TBC-WOP-EPC-GEN-MAR-STR-0017                                   |
| <b>The Procurer:</b>     | MOE & TBC  | <b>Rev. No.:</b>  | 00   |
| <b>The Contractor:</b>   | Wave One Project Company LTD. (WOPC)                               | <b>Submittal:</b> | STRUCTURAL <span style="float: right;">Date: 09/08/2021</span> |
| <b>The Bldg. Cont'r:</b> | Al Bawani Co. - Khatib & Alami (K&A)                               | <b>BC:</b>        | AlBawani - K&A   |

| MATERIAL DESCRIPTION |   |                       |                    |
|----------------------|---|-----------------------|--------------------|
| Description          | STEEL REINFORCEMENT BARS, 10, 12, 14, 16, 18, 20, 25, 32mmØ   | Brand Name:           | N/A                |
| Material Status:     | <input type="checkbox"/> Specified <input checked="" type="checkbox"/> Alternative  | Contract Ref:         | 62293              |
| Discipline/Trade     | STRUCTURAL  | Specs: Sec.: 03 30 00 | Annex 4: ASTM A615 |
| Cluster No.:         | ALL School: ALL   | BOQ Ref. No.:         |                    |
| Attachments:         | <input type="checkbox"/> Production Verification <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Comparison Sheet <input type="checkbox"/> List of Suppliers<br><input checked="" type="checkbox"/> Third Party Test Report <input checked="" type="checkbox"/> Catalogue <input checked="" type="checkbox"/> Previous Approval <input checked="" type="checkbox"/> Others (TECH. DATA SHEET) |                       |                    |



| MANUFACTURER DETAILS  | SUPPLIER DETAILS  |
|---|---|
| Company Name: AL TILAL STEEL CO. LTD.   | Company Name: AL TILAL STEEL CO. LTD.   |
| Address: Suite 703, Jameel Square 2091, Prince Mohammad Bin Abdul Aziz St. Jeddah 23326 | Address: Suite 703, Jameel Square 2091, Prince Mohammad Bin Abdul Aziz St. Jeddah 23326 |

| DELIVERY DETAILS  |            |                                    |  |
|---|------------|------------------------------------|--|
| Country of Origin:  | KSA        | Availability:                      | <input type="checkbox"/> Locally Available <input type="checkbox"/> Imported |
| Date Material Required on Site:   |            | Estimated Date of Arrival on Site: |  |
| We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except otherwise stated; also the material sources indicated above have been reviewed and that they will supply the submitted items in full conformity with timely delivery |            |                                    |  |
| For the Building Contractor:  |            |                                    |  |
| Name: DANNY / MOHEP   | Signature: | Name: ENG. AHMAD SATTO             | Signature:   |

**"The approval of this document from the Main Contractor does not relieve the subcontractor from his obligations or liabilities to check and confirm the technical requirements and specifications as per the contract"**

| BC TECHNICAL REVIEW  |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
|--|---|---|--|--|---------------|------------|----------|-------------|--|--|---------|--|--|-----------|--|--|----------|---|---|------------|--|--|-----------|--|--|-------------|--|--|-------|--|--|
| Remarks:<br>- Steel Reinf. bars 10, 12, 14, 16, 18, 20, 25, 32mmØ & spcs is approved As per project specs.<br>- Contractor must provide Procurer & TBC approval for AL TILAL Steel Co. Ltd.<br>- The previous approval from TBC is for AL RAJHI steel Co. (TBC-WOP-GEN-MAR-STR-0006), dated 13, Feb. 2021 in Material Approval Register. | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center;">Distribution For Technical Review Teams</td> </tr> <tr> <th>Project Staff</th> <th>For Action</th> <th>For Info</th> </tr> <tr> <td>Team Leader</td> <td></td> <td></td> </tr> <tr> <td>Planner</td> <td></td> <td></td> </tr> <tr> <td>Sr. Arch.</td> <td></td> <td></td> </tr> <tr> <td>Sr. Str.</td> <td style="text-align: center;">A</td> <td style="text-align: center;">M</td> </tr> <tr> <td>Sr. Elect.</td> <td></td> <td></td> </tr> <tr> <td>Sr. Mech.</td> <td></td> <td></td> </tr> <tr> <td>Energy Spl.</td> <td></td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> </tr> </table> | Distribution For Technical Review Teams |  |  | Project Staff | For Action | For Info | Team Leader |  |  | Planner |  |  | Sr. Arch. |  |  | Sr. Str. | A | M | Sr. Elect. |  |  | Sr. Mech. |  |  | Energy Spl. |  |  | Other |  |  |
| Distribution For Technical Review Teams  |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Project Staff  | For Action  | For Info                                |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Team Leader  |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Planner  |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Sr. Arch.  |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Sr. Str.   | A   | M                                       |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Sr. Elect.   |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Sr. Mech.  |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Energy Spl.  |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Other  |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Is Procurer's Approval required  | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| Name: <b>K&amp;A ENGR. A. Syam AF3</b>   | Signature:  Date: 09-08-2021  |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| <b>Status Code:</b> <input type="checkbox"/> Approved no Comment (A) <input checked="" type="checkbox"/> Approved with Comments (B) <input type="checkbox"/> Not Approve (C)   |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |
| (A) Compliant with K&A's design, requirements and specifications.<br>(B) Compliant with K&A's design, requirements and specifications, with comments(s).<br>(C) Non-compliant with K&A's design, requirements and specifications, and subject to revision and resubmission for review and validation by K&A.                             |   |   |  |  |               |            |          |             |  |  |         |  |  |           |  |  |          |   |   |            |  |  |           |  |  |             |  |  |       |  |  |



*Request raised*





AL TILAL STEEL COMPANY LIMITED  
شركة التلال للحديد المحدودة - شركة شخص واحد



Approved Supplier of Saudi Aramco under Vendor # 0010056317



We are approved supplier of Red Sea Development Company under the vendor No as mentioned below:

ANID:AN01654613013

#### Head Office

Suite 703, Jameel Square  
2091 – Prince Mohammed  
Bin Abdul-Aziz Street (Al-Tahlia)  
Jeddah 23326  
Kingdom of Saudi Arabia  
CR 4030153714

#### المكتب الرئيسي

جناح 703 – مركز جميل سكوير  
2091 – شارع الأمير محمد بن  
عبد العزيز (التحلية)  
جدة 23326  
المملكة العربية السعودية  
+966 12 635 9000

#### Factory

Mokhattat Al-Karama  
Block 19, Al-Khumra Industrial Area  
7044 – Al-Wadi District  
Jeddah 22518  
Kingdom of Saudi Arabia  
+966 12 608 6785

#### المصنع

مخطط الكرامة  
منطقة الغفرة الصناعية  
7044 – حي الوادي  
جدة 22518  
المملكة العربية السعودية  
VAT # 300116339600003

## Notable Projects where Al Tilal Rebar has been used

- Al Haramain High Speed Rail Project Phase 1 Package 1 – **Saudi Railways Organization**
- The Kingdom Tower Project, Jeddah – **Jeddah Economic Company**
- Al Haramain High Speed Railway Tunnel – **Saudi Railways Organization**
- Security Planning & Development Agency: KAP4 Project – **Ministry of Interior**
- Custodian of the Two Holy Mosques King Abdullah Bin Abdul-Aziz Project (KAP5) – **Ministry of Interior**
- King Abdullah Ibn Abdulaziz Project for Development of the Security Facilities for MOI KAP- 2 C1/C2 – **Ministry of Interior**
- Khamees Mushayat Infrastructure Project & Jeddah Housing Project (Al-Amir Fawaz District) – **Ministry of Housing**
- Prince Majed Street / Bani Malek Intersection Project, Jeddah – **Jeddah Municipality**
- King Faisal Specialist Hospital, Jeddah – **Saudi Bin Laden Group**
- Jeddah Gate Development LOT E05 – **EMAAR**
- Al Izlani Water Tank Project, Al-Madinah Al-Munawarah – **Ministry of Water and Electricity**
- Security Forces Medical Center Project, Jeddah/Riyadh – **Ministry of Interior**
- Saudi New Flight Operation Building in KAIA New Terminal, Jeddah – **Saudi Airlines Real Estate Development Company (SARED)**
- KAIA, King Abdul-Aziz International Airport Development Project (Phase I), Jeddah – **General Authority for Civil Aviation**
- AQUA Raffles 5 Star Hotel, Jeddah – **Takatuf Holding Group LLC**
- Almusfalah Hotel, Makkah – **Bin Dawood Group**
- Integrated Public Security Operation (IPSO) – **Ministry of Interior**
- Makkah Public Transport Program (MPTP) – **Development of Makkah Region Authority**

## Notable Projects where Al Tilal Rebar has been used

- Prince Fawwaz Housing Project – **Ministry of Housing**
- Jubail-Riyadh Water Transmission System – **Saline Water Conversion Corporation**
- Al-Jawhara Mall Jeddah (Construction of the Skeleton Works) – **Nesma & Partners Co.**
- Sari Road with King Fahad Road Bridge – **Advanced Construction Company**
- Zahid Business Park Project – **Al Saad General Contracting Co.**
- Qiddiyah Project – **Abdul Ali Al Ajmi Co.**
- King Salman Airbase Facilities (Dyrab) – **Nesma & Al Mabani Joint Venture**
- Telal Al-Ghoroub Housing Project – **Ministry of Housing**
- NEOM Project – **Bechtel**
- Red Sea Development Company – **RSDC**
- Masar Project- Mega Urban Development Project



## AL TILAL STEEL COMPANY LIMITED شركة التلال للحديد المحدودة - شركة شخص واحد

### Al Tilal Head Office

Suite 703, Jameel Square  
2091 – Prince Mohammed  
Bin Abdul-Aziz Street (Al-Tahlia)  
Jeddah 23326  
Kingdom of Saudi Arabia

CR 4030153714

### Al Tilal Factory

Mokhattat Al-Karama  
Block 19, Al-Khumra Industrial Area  
7044 – Al-Wadi District  
Jeddah 22518  
Kingdom of Saudi Arabia

+966 12 608 6785

### المكتب الرئيسي

جناح 703-مركز جميل  
سكوير 2091- شارع الأمير  
محمد بن عبد العزيز (التحلية)  
جدة 23326 المملكة  
العربية السعودية

+966 12 635 9000

### مصنع التلال

مخطط الكرامة بلوك 19, منطقة  
الخمرة الصناعية  
7044 - حي الوادي  
جدة 22518 المملكة  
العربية السعودية

VAT # 300116339600003

