



STRUCTURAL ENGINEERING DIVISION
Test Floor Laboratory
Department of Civil Engineering
University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,

M/S E & DC Associates
Lahore
(Construction of Additional Girls Hostel and House Officers Hostel at CKMC, KHarian Cantt)

Reference # CED/TFL **2947** (Dr. Waaseem Abbass)
Reference of the request letter # E&dc-080/04

Dated: 15-03-2023
Dated: 14-03-2023

Tension Test Report (Page -1/1)

Date of Test 15-03-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

| Sr. No. | Weight (lbs/ft) | Diameter/ Size | | Area (in ²) | | Yield load (kg) | Breaking Load (kg) | Yield Stress (psi) | | Ultimate Stress (psi) | | Elongation (inch) | % Elongation | Remarks |
|--|--------------------|-------------------|------------------|----------------------------|--------|--------------------|--------------------------|-----------------------|--------|--------------------------|--------|----------------------|--------------|---------|
| | | Nominal (#) | Actual (inch) | Nominal | Actual | | | Nominal | Actual | Nominal | Actual | | | |
| 1 | 0.374 | 3 | 0.374 | 0.11 | 0.110 | 3570 | 5010 | 71600 | 71650 | 100400 | 100600 | 1.30 | 16.3 | |
| 2 | 0.373 | 3 | 0.374 | 0.11 | 0.110 | 3770 | 5100 | 75600 | 75810 | 102200 | 102600 | 1.30 | 16.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Note: only two samples for tensile and one sample for bend test | | | | | | | | | | | | | | |
| Bend Test | | | | | | | | | | | | | | |
| #3 Bar Bend Test Through 180° is Satisfactory | | | | | | | | | | | | | | |
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I/C Testing Laboratoires
UET Lahore, Pakistan.

Note:

- 1- You can See your reports On Internet in the following web site
http://www.uet.edu.pk/faculties/facultiesinfo/civil/index.html?RID=testing_reports
2. The above results pertain to sample /samples supplied to this laboratory.
- 3- Sealed sample / Unsealed sample / Marked sample/Signed Samples



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To,
 Project Manager
 United Lifestyle (Private) Limitd.
 High-Rise Building “Skyscrapers United” at Johar Town Lahore

Reference # CED/TFL **2942** (Dr. Riaz Ahmed)
 Reference of the request letter # ULS/2021-22-23/030

Dated: 14-03-2023
 Dated: 13-03-2023

Tension Test Report (Page -1/1)

Date of Test 15-03-2023
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

| Sr. No. | Weight (lbs/ft) | Diameter/ Size | | Area (in ²) | | Yield load (kg) | Breaking Load (kg) | Yield Stress (psi) | | Ultimate Stress (psi) | | Elongation (inch) | % Elongation | Remarks |
|--|--------------------|-------------------|------------------|----------------------------|--------|--------------------|--------------------------|-----------------------|--------|--------------------------|--------|----------------------|--------------|---------|
| | | Nominal (#) | Actual (inch) | Nominal | Actual | | | Nominal | Actual | Nominal | Actual | | | |
| 1 | 0.363 | 3 | 0.368 | 0.11 | 0.107 | 3840 | 5370 | 77000 | 79390 | 107600 | 111100 | 1.10 | 13.8 | |
| 2 | 0.395 | 3 | 0.384 | 0.11 | 0.116 | 3470 | 4890 | 69600 | 65950 | 98000 | 93000 | 1.10 | 13.8 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Note: only two samples for tensile and one sample for bend test | | | | | | | | | | | | | | |
| Bend Test | | | | | | | | | | | | | | |
| #3 Bar Bend Test Through 180° is Satisfactory | | | | | | | | | | | | | | |
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To,

Resident Engineer
 ACE Limited, Sambrial Sialkot
 Establishment of University of Applied Engineering and Emerging Technologies
 (UAEET) Sambrial, Sialkot

Reference # CED/TFL **2950** (Dr. M Kashif)
 Reference of the request letter # ER/UAEET/ACE/2022/213

Dated: 15-03-2023
 Dated: 15-03-2023

Tension Test Report (Page -1/1)

Date of Test 15-03-2023
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

| Sr. No. | Weight (lbs/ft) | Diameter/ Size | | Area (in ²) | | Yield load (kg) | Breaking Load (kg) | Yield Stress (psi) | | Ultimate Stress (psi) | | Elongation (inch) | % Elongation | Remarks |
|--|--------------------|-------------------|------------------|----------------------------|--------|--------------------|--------------------------|-----------------------|--------|--------------------------|--------|----------------------|--------------|-------------|
| | | Nominal (#) | Actual (inch) | Nominal | Actual | | | Nominal | Actual | Nominal | Actual | | | |
| 1 | 0.167 | 2 | 0.250 | ----- | 0.049 | 1120 | 1480 | ----- | 50280 | ----- | 66500 | 0.80 | 10.0 | AF Steel |
| 2 | 0.168 | 2 | 0.251 | ----- | 0.049 | 1120 | 1480 | ----- | 49920 | ----- | 66000 | 0.80 | 10.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Note: only two samples for tensile and one sample for bend test | | | | | | | | | | | | | | |
| Bend Test | | | | | | | | | | | | | | |
| #2 Bar Bend Test Through 180° is Satisfactory | | | | | | | | | | | | | | |
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Witness Muhammad Tufail (Material Engineer, ACE)

I/C Testing Laboratoires
UET Lahore, Pakistan.

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To,
M/S ENAARA
Lahore

Reference # CED/TFL **2951** (Dr. M Kashif)
Reference of the request letter # Nil

Dated: 15-03-2023
Dated: 15-03-2023

Tension Test Report (Page -1/1)

Date of Test 15-03-2023
Gauge length 8 inches
Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

| Sr. No. | Weight (lbs/ft) | Diameter/ Size | | Area (in ²) | | Yield load (kg) | Breaking Load (kg) | Yield Stress (psi) | | Ultimate Stress (psi) | | Elongation (inch) | % Elongation | Remarks |
|--|--------------------|-------------------|------------------|----------------------------|--------|--------------------|--------------------------|-----------------------|--------|--------------------------|--------|----------------------|--------------|---------|
| | | Nominal (#) | Actual (inch) | Nominal | Actual | | | Nominal | Actual | Nominal | Actual | | | |
| 1 | 0.366 | 3 | 0.370 | 0.11 | 0.108 | 3100 | 4900 | 62200 | 63490 | 98200 | 100400 | 1.10 | 13.8 | |
| 2 | 0.366 | 3 | 0.370 | 0.11 | 0.108 | 3100 | 4900 | 62200 | 63460 | 98200 | 100400 | 1.10 | 13.8 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Note: only two samples for tensile and one sample for bend test | | | | | | | | | | | | | | |
| Bend Test | | | | | | | | | | | | | | |
| #3 Bar Bend Test Through 180° is Satisfactory | | | | | | | | | | | | | | |
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To,

Resident Engineer
 ACE Limited, Sambrial Sialkot
 Establishment of University of Applied Engineering and Emerging Technologies
 (UAEET) Sambrial, Sialkot

Reference # CED/TFL **2952** (Dr. M Kashif)

Dated: 15-03-2023

Reference of the request letter # ER/UAEET/ACE/2022/208

Dated: 15-03-2023

Tension Test Report (Page -1/1)

Date of Test 15-03-2023

Gauge length 8 inches

Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

| Sr. No. | Weight (lbs/ft) | Diameter/ Size | | Area (in ²) | | Yield load (kg) | Breaking Load (kg) | Yield Stress (psi) | | Ultimate Stress (psi) | | Elongation (inch) | % Elongation | Remarks |
|--|--------------------|-------------------|------------------|----------------------------|--------|--------------------|--------------------------|-----------------------|--------|--------------------------|--------|----------------------|--------------|-------------|
| | | Nominal (#) | Actual (inch) | Nominal | Actual | | | Nominal | Actual | Nominal | Actual | | | |
| 1 | 0.378 | 3 | 0.376 | 0.11 | 0.111 | 3300 | 4700 | 66200 | 65460 | 94200 | 93300 | 1.10 | 13.8 | FF Steel |
| 2 | 0.378 | 3 | 0.376 | 0.11 | 0.111 | 3300 | 4700 | 66200 | 65450 | 94200 | 93300 | 1.40 | 17.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Note: only two samples for tensile and one sample for bend test | | | | | | | | | | | | | | |
| Bend Test | | | | | | | | | | | | | | |
| #3 Bar Bend Test Through 180° is Satisfactory | | | | | | | | | | | | | | |
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Witness Muhammad Tufail (Material Engineer, ACE)

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