



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

To,
 Construction Manager
 NESPAK
 Establishment of Punjab Local Government Academy Building - Lahore

Reference # CED/TFL **36333** (Dr. Qasim Khan)
 Reference of the request letter # 3976/13/MHK/01/235

Dated: 13-04-2021
 Dated: 05-04-2021

Tension Test Report (Page -1/1)

Date of Test 15-04-2021
 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 | 0.373 | 3 | 0.374 | 0.11 | 0.110 | 3200 | 4600 | 64200 | 64360 | 92200 | 92600 | 1.00 | 12.5 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Note: only one sample 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,
 Manager Construction
 Orient Electronics (Pvt) Ltd
 Construction of Orient Square Hotel Tower Johar Town

Reference # CED/TFL **36334** (Dr. Qasim Khan) Dated: 13-04-2021
 Reference of the request letter # OSH-SO/UET/SteelTest/120421-03 Dated: 12-04-2021

Tension Test Report (Page -1/1)

Date of Test 15-04-2021
 Gauge length 8 inches
 Description Deformed Steel Bar Tensile and Bend Test as per ASTM-A615

| Sr. No. | Weight (lbs/ft) | Diameter/ Size (mm) | | Area (in ²) | | Yield load (kg) | Breaking Load (kg) | Yield Stress (psi) | | Ultimate Stress (psi) | | Elongation (inch) | % Elongation | Remarks |
|--|--------------------|---------------------------|--------|----------------------------|--------|--------------------|--------------------------|-----------------------|--------|--------------------------|--------|----------------------|--------------|---------|
| | | Nominal | Actual | Nominal | Actual | | | Nominal | Actual | Nominal | Actual | | | |
| 1 | 0.419 | 10 | 10.06 | 0.12 | 0.123 | 3400 | 4800 | 62464 | 60850 | 88184 | 85900 | 1.50 | 18.8 | |
| 2 | 0.422 | 10 | 10.09 | 0.12 | 0.124 | 3400 | 4900 | 62464 | 60470 | 90021 | 87200 | 1.70 | 21.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| Note: only two samples for tensile and one sample for bend test | | | | | | | | | | | | | | |
| Bend Test | | | | | | | | | | | | | | |
| 10mm Dia Bar Bend Test Through 180° is Satisfactory | | | | | | | | | | | | | | |
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Test Floor Laboratory
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University of Engineering and Technology Lahore, 54890
Pakistan. Ph: 92-42-99029202

To,
 Assistant Quantity Surveyor
 Linker
 Corporate Office Tower 9 – Jail Road, Lahore

Reference # CED/TFL **36336** (Dr. Qasim Khan)
 Reference of the request letter # Nil

Dated: 14-04-2021
 Dated: 13-04-2021

Tension Test Report (Page -1/1)

Date of Test 15-04-2021
 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 | 0.365 | 3 | 0.369 | 0.11 | 0.107 | 3800 | 5200 | 76200 | 78170 | 104200 | 107000 | 1.00 | 12.5 | Afco Steel |
| 2 | 0.372 | 3 | 0.373 | 0.11 | 0.109 | 3100 | 4800 | 62200 | 62530 | 96200 | 96900 | 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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To,
 Site Supervisor
 Rasheed & Brothers
 Project Located at Park House Firdous Market, Gulberg Lahore

Reference # CED/TFL **36337** (Dr. Qasim Khan)
 Reference of the request letter # Nil

Dated: 14-04-2021
 Dated: 14-04-2021

Tension Test Report (Page -1/1)

Date of Test 15-04-2021
 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 | 0.377 | 3 | 0.376 | 0.11 | 0.111 | 3000 | 4200 | 60200 | 59660 | 84200 | 83600 | 1.60 | 20.0 | |
| 2 | 0.376 | 3 | 0.375 | 0.11 | 0.111 | 2900 | 4200 | 58200 | 57840 | 84200 | 83800 | 1.70 | 21.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 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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To,
 Major General Farhan Akhtar (R)
 Plot No. 209, Sector "C"
 Phase 8 CBW, DHA Lahore

Reference # CED/TFL **36340** (Dr. Qasim Khan)
 Reference of the request letter # Nil

Dated: 14-04-2021
 Dated: 13-04-2021

Tension Test Report (Page -1/1)

Date of Test 15-04-2021
 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 | 0.107 | 2500 | 3400 | 50100 | 51280 | 68200 | 69800 | 1.80 | 22.5 | |
| 2 | 0.364 | 3 | 0.369 | 0.11 | 0.107 | 2500 | 3300 | 50100 | 51480 | 66200 | 68000 | 1.70 | 21.3 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 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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To,
 Muhammad Naeem
 Civic Center
 61-Sbza Zar Multan Road, Lahore

Reference # CED/TFL **36345** (Dr. Qasim Khan)
 Reference of the request letter # Nil

Dated: 14-04-2021
 Dated: 14-04-2021

Tension Test Report (Page -1/1)

Date of Test 15-04-2021
 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 | 0.344 | 3 | 0.359 | 0.11 | 0.101 | 3000 | 4400 | 60200 | 65450 | 88200 | 96000 | 0.80 | 10.0 | |
| 2 | 0.350 | 3 | 0.362 | 0.11 | 0.103 | 2800 | 4300 | 56200 | 59990 | 86200 | 92200 | 0.80 | 10.0 | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| 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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