

Test Performed by: Dr.S. Asad Ali Gillani

Fazeel Mehmood  
Resident Engineer  
NESPAK Rawalpindi. (Development of DHA-AWT Land Adyala)  
**Client Reference No.:**4592/103/ DHA-AWT/FM/102/91      Dated: 02-05-2025  
**SOM Lab Ref:** CED/SOM/1168 (P-1/1)      Dated: 06-05-2024  
**Test Type:** Flexural Strength & Crushing Strength Test      **Standard: ASTM-C-875 - 98**  
**Sample Type:** Asbestos Pipes (6 Inches)      Brand: Three Star Pipe

Flexural Load Results

| Sample No. | Diameter (mm) |       | Thickness (mm) | Length of the Tested Sample (unsupported span) (mm) | Flexural Load (kN) |
|------------|---------------|-------|----------------|-----------------------------------------------------|--------------------|
|            | Outer         | Inner |                |                                                     |                    |
| 1          | 169.0         | 151.0 | 9.0            | 1372                                                | 5.95               |

Crushing Load Results

| Sample No. | Diameter (mm) |       | Thickness (mm) | Length of the Tested Sample (cm) | Crushing Load (kN) |
|------------|---------------|-------|----------------|----------------------------------|--------------------|
|            | Outer         | Inner |                |                                  |                    |
| 1          | 169.0         | 151.2 | 8.9            | 30.0                             | 2.45               |



Project Manager Plot No.103 Fortress Square Mall Cantt Lahore

**Dr. /Engr.** Asad Ali Gillani

**Dated:** 06-05-2025

**Ref:** 1165 (Page-1/1)

**Dated:** 06-05-2025

### Test Specification:

ASTM-A-615

**Sample Type:** Deformed Bar (FF Steel)

[illegible]

### BEND TEST:

|     |                                                                  |                                                               |
|-----|------------------------------------------------------------------|---------------------------------------------------------------|
| # 8 | Sample bend through 180 degrees Satisfactorily without any crack | <b>Note:-</b><br><br>Only Nine Samples<br>Received and Tested |
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack |                                                               |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack |                                                               |
|     |                                                                  |                                                               |
|     |                                                                  |                                                               |

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

CRE Osmani & Compny AII C, Fsd. (Blance/Repair Works of B/Wall at Different Loation)

Asad Ali Gillani

# SOM Lab

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**Dated:** 06-05-2025

**Test Specification:** ASTM-A-615

**Sample Type:** Deformed Bar (Mughal Steel)

[illegible]

### BEND TEST:

|     |                                                                  |                                                              |
|-----|------------------------------------------------------------------|--------------------------------------------------------------|
| # 6 | Sample bend through 180 degrees Satisfactorily without any crack | <b>Note:-</b><br><br>Only Six Samples<br>Received and Tested |
| # 4 | Sample bend through 180 degrees Satisfactorily without any crack |                                                              |
|     |                                                                  |                                                              |
|     |                                                                  |                                                              |
|     |                                                                  |                                                              |

Note: Please always confirm the results of above report on web [www.uet-civil.edu.pk](http://www.uet-civil.edu.pk)

