

ARE PCP Pkg V

Test Performed By: Dr. /Engr. Asad Ali Gillani

MMP/AiD Consults Khanewal.(Comprehensive Sewerage System In Kwl City Under PCP)(AI Shan Co)

Client Reference: PCP/KWL-181/2025

SOM Lab Ref: 858 (Page-1/1)

Dated: 18-02-2025

Dated: 28-02-2025

Test: Tension Test

Test Specification: ASTM-A-615

Guage Length: 200 mm

Sample Type: MS Def Bar

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	3.803	25	24.82	491	484	287.70	341.50	586	595	696	706	30.0	200	15.0	
2	0.870	12	11.88	113	111	58.20	75.20	515	526	665	679	32.5	200	16.3	
3	0.863	12	11.83	113	110	59.00	75.50	522	537	668	687	30.0	200	15.0	
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BEND TEST:

12mm	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Four Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Test Performed by: Dr.Asad Ali Gillani

Ahmet KoC

RE Diamer Basha Consultants Group (DBCG)

Diamer Basha Dam Project (Contract MW-1: DAM Part (Civil Works) and Tangir Hydropower Works)

Client Reference No.: DBCG/Lab/PFJV/2025/016

Dated: 26-02-2025

SOM Lab Ref: CED/SOM/856(Page 1/2)

Dated: 28-02-2025

Test Type: Hardness Test & Tensile Test

Sample Type: MS Plates

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 90.0 kgf Scale: B)

Hardness Test Results

Sr #	Sample Type	Sample No.	Hardness Avg
1	MS Plate 20mm (A36)	SS-P-S1-2025-09	HR –86.66 – B

Hardness Test Details:

Machine used: Avery Rockwell Hardness Testing Machine

(Minor Load: 10 Kgf Major Load: 140.0 kgf Scale: C)

Hardness Test Results

Sr #	Sample Type	Sample No.	Hardness Avg
2	MS Plate 20mm (A50)	SS-P-S1-2025-08	HR – 6.16-C
3	MS Plate 16mm (A50)	SS-P-S1-2025-07	HR –16.0 – C
4	MS Plate 12mm (A50)	SS-P-S1-2025-06	HR –13.16 – C
5	MS Plate 10mm (A50)	SS-P-S1-2025-05	HR –14.5 – C

6	MS Plate 8mm (A50)	SS-P-S1-2025-04	HR –14.16 – C
7	MS Plate 6mm (A50)	SS-P-S1-2025-03	HR –16.33 – C
8	MS Plate 5mm (A50)	SS-P-S1-2025-02	HR –16.5 – C
9	MS Plate 4mm (A50)	SS-P-S1-2025-01	HR –15.66 – C

Test Performed by: Dr.Asad Ali Gillani

Ahmet KoC

RE Diامر Basha Consultants Group (DBCG)

Diامر Basha Dam Project (Contract MW-1: DAM Part (Civil Works) and Tangir Hydropower Works)

Client Reference No.: DBCG/Lab/PFJV/2025/016

Dated: 26-02-2025

SOM Lab Ref: CED/SOM/856(Page 2/2)

Dated: 28-02-2025

Test Type: Hardness Test & Tensile Test

Sample Type: Nuts Bolts

Hardness Test Details:**Machine used: Avery Rockwell Hardness Testing Machine**

(Minor Load: 10 Kgf Major Load: 140.0 kgf Scale: C)

Hardness Test Results

Sr #	Sample Type	Sample No.	Hardness Avg	
1	M 20 x 75	SS-NB-S1-2025-04	Bolt	HR –25.33 – C
			Nut	HR –20.83 – C
2	M 16 x 65	SS-NB-S1-2025-03	Bolt	HR –30.83 – C
			Nut	HR –20.16 – C
3	M 12 x 50	SS-NB-S1-2025-02	Bolt	HR –21.0 – C
			Nut	HR –14.83 – C
4	M 12 x 35	SS-NB-S1-2025-01	Bolt	---
			Nut	HR –15.50 – C

Test Specification: ASTM – F-606**Sample Type:** Nuts Bolts**Tensile Test Results**

Sample No.	Sample Type	Tested Diameter of Rod/Bolt (mm)	Ultimate Load (kN)	Ultimate Tensile Stress (MPa)	% Elongation
1	M 20 x 75	14.0	130.2	846.2	30.0
2	M 16 x 65	11.2	94.2	956.6	20.0
3	M 12 x 50	8.4	35.5	640.9	20.0
4	M 12 x 35	8.2	34.5	653.6	20.0

Note: Please always confirm the results on web www.uet-civil.edu.pk

Lt. Col ® Muhammad Ibrahim

Test Performed By: Dr. /Engr. Asad Ali Gillani

Snr Estate Engr Sundar Industrial Estate.(Development of Back Side Rescue Building Area at SIE)

Client Reference: BOM/SIE/BCD 2-25/587

Dated: 25-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 855 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (Aziz Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.517	6	0.754	0.44	0.446	12.76	20.25	63970	63110	101530	100160	1.40	8.0	17.5	
2	1.516	6	0.754	0.44	0.446	12.61	20.08	63210	62360	100660	99300	1.40	8.0	17.5	
3	0.665	4	0.498	0.20	0.195	5.45	8.63	60140	61680	95210	97650	1.20	8.0	15.0	
4	0.662	4	0.498	0.20	0.195	5.47	8.72	60370	61910	96110	98580	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples 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

Muhammad Azmat, RE

Test Performed By:

Dr. /Engr.

Irfan Ul Hassan

NESPAK-Turkpak JV Lhr.(Reconstruction of Lady Willingdon Hospital,Lahore)

Client Reference: 4729/13/MA/04/220

Dated: 25-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 857 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (AF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.670	4	0.501	0.20	0.197	6.09	8.74	67110	68130	96340	97800	1.20	8.0	15.0	
2	0.669	4	0.501	0.20	0.197	6.52	9.14	71940	73040	100830	102370	1.10	8.0	13.8	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Anwar UI Haq

PM IKAN Engineering Services Pvt Ltd.(Const Of Zong MSC Faisalabad)

Test Performed By:

Dr. /Engr. Asad Ali GillaniClient Reference: IKAN-FSD-SITE-UET/001

Dated: 27-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 859 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (Ittehad Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.600	8	0.986	0.79	0.764	29.43	35.55	82160	84960	99230	102610	1.20	8.0	15.0	
2	1.478	6	0.743	0.44	0.434	14.98	19.24	75110	76150	96420	97750	1.40	8.0	17.5	
3	0.669	4	0.501	0.20	0.197	6.63	8.61	73070	74180	94990	96430	1.20	8.0	15.0	
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Witnessed By: Umar Khalil (CM-Pak Zong), Naeem (Al-Imam)

BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples 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

Hammad Javed, RE

Test Performed By: Dr. /Engr. Asad Ali Gillani

Jrw HA Consulting JV Mascon Associates.(Construction of Model Bazars in Different Cities of Punjab)

Client Reference: 25/HAC-MAS/RE/JRW/0018

Dated: 27-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 860 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (FF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.474	6	0.743	0.44	0.433	14.37	18.65	72050	73210	93510	95020	1.20	8.0	15.0	
2	1.478	6	0.743	0.44	0.434	14.34	18.57	71890	72890	93100	94380	1.10	8.0	13.8	
3	0.663	4	0.498	0.20	0.195	6.14	8.23	67670	69410	90720	93040	1.40	8.0	17.5	
4	0.663	4	0.498	0.20	0.195	6.03	8.18	66550	68250	90150	92460	1.50	8.0	18.8	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Six Samples 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

Allied Bank

Test Performed By:

Dr. /Engr. Asad Ali Gillani

Head Const. Site ABL-UML P-199&200.(Const Of ABL Upper Mall Lahore Plot No 199,200)

Client Reference: ABL-UML-AMC-QAQC-107

Dated: 28-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 862 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (FF Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.606	8	0.988	0.79	0.766	22.94	34.48	64030	66040	96250	99260	1.60	8.0	20.0	
2	2.621	8	0.990	0.79	0.770	26.98	35.39	75330	77290	98810	101370	1.50	8.0	18.8	
3	1.453	6	0.737	0.44	0.427	14.50	19.01	72660	74870	95290	98190	1.30	8.0	16.3	
4	1.475	6	0.743	0.44	0.433	14.80	19.27	74190	75390	96570	98130	1.10	8.0	13.8	
5	1.031	5	0.621	0.31	0.303	9.76	13.17	69410	71010	93700	95860	1.50	8.0	18.8	
6	1.043	5	0.625	0.31	0.307	9.76	13.32	69410	70080	94790	95710	1.30	8.0	16.3	
7	0.658	4	0.496	0.20	0.193	6.75	9.07	74420	77120	100050	103670	1.20	8.0	15.0	
8	0.656	4	0.496	0.20	0.193	6.68	8.99	73630	76300	99150	102740	1.10	8.0	13.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Twelve Samples Received and Tested
# 6	Sample bend through 180 degrees Satisfactorily without any crack	
# 5	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

Moeen Ahmad Khan, RE

Test Performed By: Dr. /Engr. Asad Ali Gillani

Nespak WASA Lhr.(R/Water Management-Drainage Arrangements-For Sore Point at Lahore)

Client Reference: ADP/WASA/LHR/UGWT/TC/02

Dated: 26-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 863 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (Mughal Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.494	6	0.748	0.44	0.439	14.27	20.05	71540	71700	100500	100730	1.10	8.0	13.8	
2	1.498	6	0.748	0.44	0.440	14.53	20.31	72810	72810	101780	101780	1.20	8.0	15.0	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Moeen Ahmad Khan, RE

Test Performed By: Dr. /Engr. Asad Ali Gillani

Nespak WASA Lhr.(R/Water Management-Drainage Arrangements-For Sore Point at Lahore)

Client Reference: ADP/WASA/LHR/UGWT/TC/05

Dated: 26-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 864 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (Mughal Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.658	8	0.997	0.79	0.781	24.57	35.68	68590	69380	99600	100750	1.30	8.0	16.3	
2	2.656	8	0.997	0.79	0.781	24.97	35.65	69720	70530	99520	100670	1.50	8.0	18.8	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

M.Yasir Kiani, RE

Test Performed By:

Dr. /Engr.

Asad Ali Gillani

JCP Wahga NESPAK. (Expansion Of Joint Check Post Wahga, Lahore)

Client Reference: 4749/031/YK/01/146

Dated: 27-02-2025

Test: Tension Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 865 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (Aziz Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.667	4	0.500	0.20	0.196	5.71	8.77	62950	64240	96670	98650	1.30	8.0	16.3	
2	0.659	4	0.497	0.20	0.194	5.47	8.41	60370	62230	92740	95610	1.00	8.0	12.5	
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BEND TEST:

# 4	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

Moeen Ahmad Khan, RE

Test Performed By: Dr. /Engr. Asad Ali Gillani

Nespak WASA Lhr.(R/Water Management-Drainage Arrangements-For Sore Point at Lahore)

Client Reference: ADP/WASA/LHR/UGWT/GT/01

Dated: 26-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 866-868 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (Kamran Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.663	8	0.998	0.79	0.783	26.45	34.25	73850	74510	95620	96470	1.50	8.0	18.8	
2	2.660	8	0.998	0.79	0.782	25.99	33.86	72570	73310	94540	95510	1.40	8.0	17.5	
3	1.498	6	0.748	0.44	0.440	14.27	18.86	71540	71540	94530	94530	1.30	8.0	16.3	
4	1.495	6	0.748	0.44	0.439	14.22	18.78	71280	71440	94120	94330	1.30	8.0	16.3	
5	0.667	4	0.500	0.20	0.196	6.24	8.36	68800	70200	92180	94060	1.10	8.0	13.8	
6	0.666	4	0.500	0.20	0.196	6.60	8.48	72730	74210	93530	95430	1.00	8.0	12.5	
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BEND TEST:

# 8	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Nine Samples 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

Moeen Ahmad Khan, RE

Test Performed By: Dr. /Engr. Asad Ali Gillani

Nespak WASA Lhr.(R/Water Management-Drainage Arrangements-For Sore Point at Lahore)

Client Reference: ADP/WASA/LHR/UGWT/GT/01A

Dated: 26-02-2025

Test: Tension Test & Bend Test

Gauge Length: 8 inch

Test Specification:

Sample Type:

SOM Lab

Ref: 867 (Page-1/1)

Dated: 28-02-2025

ASTM-A-615

Deformed Bar (Sheikhoo Steel)

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.490	6	0.747	0.44	0.438	14.63	18.98	73320	73660	95140	95570	1.40	8.0	17.5	
2	1.494	6	0.748	0.44	0.439	14.50	18.81	72660	72820	94270	94490	1.30	8.0	16.3	
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BEND TEST:

# 6	Sample bend through 180 degrees Satisfactorily without any crack	Note:- Only Three Samples Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk

A.F Steel
Re Rolling Mills Lahore

Test Performed By: Dr. /Engr. Asad Ali Gillani

Client Reference: Nil

SOM Lab Ref: CED/SOM/861

Dated: 28-02-2025

Dated: 28-02-2025

Test: Tension Tests

Test Specification: ASTM-A - 615

Guage Length: 50 mm

Sample Type: Steel Wire

S.No.	Weight	Dia.		Area		Yield Load	Ultimate Load	Yield Stress		Ult. Stress		Elongation	Gauge Length	%age Elongation	Remarks
		Nominal	Calculated	Nominal	Calculated			(according to nominal area)	(according to measured area)	(according to nominal area)	(according to measured area)				
	kg/m	mm	mm	mm ²	mm ²	kN	kN	MPa	MPa	MPa	MPa	mm	mm	%	
1	0.222	6	5.97	28.27	28.00	13.70	18.70	485	490	661	668	6.3	50	12.5	
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BEND TEST:

--	No Bend test performed	Note:- Only One Sample Received and Tested

Note: Please always confirm the results of above report on web www.uet-civil.edu.pk