

Mr. Ndeem Tahir

Const. Manager Powerchina SEPCO1(220KV Mirpur Khas Substion & Extension at Hala Rd Substation)

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

Client Reference: ADB-200/2018/393

Dated: 24-05-2023

Test: Tension Test

Guage Length: 200 m

SOM Lab Ref: 2250 (P-1b1)

Dated: 24-05-2023

Test Specification: ASTM-A-615

Sample Type: MS Deformed 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	m	%	
1	1.557	16	15.88	201	198	101.00	132.20	502	511	658	668	32.5	200	16.3	
2	1.595	16	16.08	201	203	101.00	131.20	502	498	653	646	30.0	200	15.0	
3	1.596	16	16.09	201	203	102.20	132.00	508	503	657	650	35.0	200	17.5	
4	0.884	12	11.97	113	113	54.70	75.00	484	486	664	667	35.0	200	17.5	
5	0.883	12	11.97	113	112	55.50	74.50	491	494	659	663	30.0	200	15.0	
6	0.877	12	11.93	113	112	54.70	74.00	484	490	655	663	25.0	200	12.5	
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Witnessed By: Sohaib Ali (NESPAK)

BEND TEST:

Sr.# (1-3) Sample bend through 180 degrees Satisfactorily without any crack

Sr.# (4-6) Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Mr. Ndeem Tahir

Const. Manager Powerchina SEPCO1(220KV Mirpur Khas Substion & Extension at Hala Rd Substation)

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

Client Reference: ADB-200/2018/393

Dated: 24-05-2023

Test: Tension Test

Guage Length: 200 m

SOM Lab Ref: 2250 (P-1a/1)

Dated: 24-05-2023

Test Specification: ASTM-A-615

Sample Type: MS Deformed 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	m	%	
1	3.856	25	25.00	491	491	245.00	327.50	499	499	667	668	32.5	200	16.3	
2	3.872	25	25.06	491	493	225.70	315.20	460	458	642	640	32.5	200	16.3	
3	3.862	25	25.03	491	492	225.20	313.70	459	458	639	638	37.5	200	18.8	
4	2.422	20	19.82	314	308	154.50	202.20	492	501	644	656	37.5	200	18.8	
5	2.420	20	19.81	314	308	154.50	201.70	492	502	642	655	35.0	200	17.5	
6	2.438	20	19.88	314	311	165.20	211.20	526	533	673	681	30.0	200	15.0	
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Witnessed By: Sohaib Ali (NESPAK)

BEND TEST:

Sr.# (1-3) Sample bend through 180 degrees Satisfactorily without any crack

Sr.# (4-6) Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Engr. Haseeb Afzal

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

Project Manager HMB Devlopers Pvt Ltd.(Commercial Tower, FTC Lahore)

Client Reference: HMBDPL/S.O/05/23/41(LHR)

SOM Lab

Ref: 2248 (Page-1/1)

Dated: 23-05-2023

Dated: 24-05-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed

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)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.506	6	0.751	0.44	0.443	13.93	19.42	69850	69380	97340	96680	1.50	8.0	18.8	B # 605
2	1.499	6	0.749	0.44	0.441	13.88	19.22	69590	69440	96320	96100	1.40	8.0	17.5	B # 605
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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

Tahir Mehmood, Chief Engr

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

Zaitoon, New Lahore City, Lahore (Const Of Houses # 52,53 & 64 By SWN Contractor)

Client Reference: NLC/CE/Const/20

SOM Lab

Ref: 2249 (Page-1/1)

Dated: 23-05-2023

Dated: 24-05-2023

Test: Tension Test & Bend Test
inc

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Battla 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	1.488	6	0.746	0.44	0.437	12.03	19.52	60290	60710	97850	98520	1.50	8.0	18.8	
2	1.482	6	0.745	0.44	0.436	12.10	19.49	60650	61210	97690	98590	1.40	8.0	17.5	
3	0.651	4	0.493	0.20	0.191	5.73	9.02	63180	66150	99480	104170	1.00	8.0	12.5	
4	0.650	4	0.493	0.20	0.191	5.93	9.07	65420	68510	100050	104760	1.00	8.0	12.5	
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Witnessed By: M.Azhar Rais (Asst. Lab Incharge, Zaitoon)

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

Mr. Ndeem Tahir

Const. Manager Powerchina SEPCO1(220KV Mirpur Khas Substion & Extension at Hala Rd Substation)

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

Client Reference: ADB-200/2018/393

Dated: 24-05-2023

Test: Tension Test & Bend Test
inc

Gauge Length: 8 h

Test Specification:

Sample Type:

SOM Lab

Ref: 2250 (Page-1c/1)

Dated: 24-05-2023

ASTM-A-615

Deformed

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)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	1.631	6	0.781	0.44	0.479	16.59	21.20	83130	76360	106280	97630	1.20	8.0	15.0	
2	1.624	6	0.779	0.44	0.477	14.65	20.18	73430	67730	101170	93320	1.20	8.0	15.0	
3	1.632	6	0.782	0.44	0.480	14.73	20.18	73830	67680	101170	92740	1.30	8.0	16.3	
4	0.654	4	0.494	0.20	0.192	6.09	8.15	67110	69910	89930	93680	1.00	8.0	12.5	
5	0.652	4	0.494	0.20	0.192	6.03	8.10	66550	69320	89370	93090	1.30	8.0	16.3	
6	0.653	4	0.494	0.20	0.192	6.27	8.26	69130	72010	91050	94850	1.20	8.0	15.0	
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Witnessed By: Sohaib Ali (NESPAK)

BEND TEST:

Sr.# (1-3) Sample bend through 180 degrees Satisfactorily without any crack

Sr.# (4-6) Sample bend through 180 degrees Satisfactorily without any crack

Note:-

Only Twelve Samples Received and Tested

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

Engr. Naveed Sadiq
RE Orbit Housing.Lahore.(The Springs Apartment Homes)

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

Client Reference: Nil

SOM Lab

Ref: 2251 (Page-1/1)

Dated: 24-05-2023

Dated: 24-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.64 2	6	0.99 4	0.4 4	0.77 6	24.18	36.51	12120 0	68720	18302 0	10378 0	1.1 0	8. 0	13. 8	
2	2.67 2	6	1.00 0	0.4 4	0.78 5	22.38	33.81	11215 0	62870	16948 0	95000	1.4 0	8. 0	17. 5	
3	0.66 1	4	0.49 7	0.2 0	0.19 4	6.98	8.92	77000	79380	98360	10140 0	1.3 0	8. 0	16. 3	
4	0.65 5	4	0.49 4	0.2 0	0.19 2	6.90	8.87	76100	79270	97800	10187 0	1.2 0	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

Enaara Developers
Lahore.

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

Client Reference: Nil

SOM Lab

Ref: 2252 (Page-1/1)

Dated: 24-05-2023

Dated: 24-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

Gauge Length: 8 h

Sample Type:

Deformed Bar (Batala Premium)

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	2.679	8	1.001	0.79	0.787	25.35	35.75	70780	71050	99800	100180	1.30	8.00	16.3	
2	2.683	8	1.002	0.79	0.788	25.33	35.88	70720	70900	100170	100430	1.30	8.00	16.3	
3	1.543	6	0.759	0.44	0.453	14.80	21.51	74190	72060	107810	104720	1.30	8.00	16.3	
4	1.531	6	0.757	0.44	0.450	15.14	21.87	75880	74190	109600	107160	1.30	8.00	16.3	
5	0.663	4	0.498	0.20	0.195	6.60	8.84	72730	74600	97460	99960	1.10	8.00	13.8	
6	0.676	4	0.503	0.20	0.199	6.85	8.99	75540	75920	99150	99640	0.90	8.00	11.3	
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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

Muhammad Asif
 PM Imperium Developers,Lahore.(Const Of Sixty6 at Gulberh-III,Lahore)

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

Client Reference: IMP/PM/66/04/73

SOM Lab

Ref: 2253 (Page-1/2)

Dated: 24-05-2023

Dated: 24-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	0.658	4	0.496	0.20	0.193	6.57	8.74	72510	75140	96340	99830	1.10	8.0	13.8	
2	0.662	4	0.498	0.20	0.195	6.32	8.10	69700	71480	89370	91660	1.20	8.0	15.0	
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Witnessed By: Husnain Imran, Site Engineer (Imperium Developers)

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

Muhammad Asif
 PM Imperium Developers, Lahore. (Const Of Sixty6 at Gulberh-III, Lahore)

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

Client Reference: IMP/PM/66/04/74

SOM Lab

Ref: 2253 (Page-2/2)

Dated: 24-05-2023

Dated: 24-05-2023

Test: Tension Test & Bend Test

Test Specification:

ASTM-A-615

inc

Deformed

Gauge Length: 8 h

Sample Type:

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)				
	lb/ft	#	in	in ²	in ²	Tons	Tons	psi	psi	psi	psi	in	in	%	
1	2.717	8	1.008	0.79	0.798	25.10	34.83	70070	69360	97240	96270	1.40	8.0	17.5	
2	2.729	8	1.011	0.79	0.802	24.84	34.76	69350	68320	97040	95590	1.50	8.0	18.8	
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Witnessed By: Husnain Imran, Site Engineer (Imperium Developers)

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

