



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

Tuesday February 21,2023

PageNo: 1

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open Rate	Highest	Lowest	Last Rate	Diff.
--------------	----------	----------	-----------	---------	--------	-----------	-------

CLOSE - END MUTUAL FUND

HGFA	HBL Growth Fund	500	5.00	4.51	4.51	4.51	4.51	-0.49
HIFA	HBL Invest Fund	1000	1.60	1.7	1.70	1.65	1.65	0.05

MODARABAS

BFMOD	B.F.Modaraba	500	4.49	4.49	4.49	4.49	4.49	0.00
BRR	B.R.R.Guardian	2000	12.26	12.74	12.74	11.70	11.95	-0.31
FHAM	Habib Modaraba	3500	7.30	7.3	7.39	7.30	7.39	0.09
FPRM	Paramount Mod	4500	4.25	5	5.10	5.00	5.10	0.85
FUDLM	U.D.L.Modaraba	9000	5.65	5.5	5.85	5.41	5.85	0.20
KASBM	KASB Mod	1000	1.32	1.36	1.36	1.36	1.36	0.04
MODAM	Mod.Al-Mali	44500	3.86	3.9	3.98	3.80	3.84	-0.02
OLPM	OLP Modaraba	6000	13.30	13.1	13.10	12.90	12.90	-0.40
ORM	Orient Rental	2000	6.00	6	6.00	6.00	6.00	0.00
PAKMI	Pak Mod.	2500	1.66	1.7	1.73	1.50	1.73	0.07
PMI	Prud Mod.1st	500	1.65	1.66	1.66	1.66	1.66	0.01

LEASING COMPANIES

GRYL	Grays Leasing	500	3.82	3.45	3.45	3.45	3.45	-0.37
PGLC	Pak Gulf Leasin	9000	7.25	6.5	7.20	6.25	6.80	-0.45

INV. BANKS / INV. COS. / SECURITIES COS.

AHL	Arif Habib Ltd.	36500	35.50	35.72	35.72	34.99	35.00	-0.50
CYAN	Cyan Limited	5500	20.80	21	21.00	20.80	20.80	0.00
DAWH	Dawood Hercules	1000	95.50	96	96.00	95.66	95.66	0.16
DEL	Dawood Equities	13500	5.87	5.96	6.09	5.75	5.95	0.08
ESBL	Escorts Bank	6000	3.34	3.3	3.35	3.30	3.33	-0.01
FCSC	Ist.Capital Sec	281000	1.18	1.22	1.23	0.65	1.12	-0.06
FDIBL	Ist.Dawood Bank	5500	1.69	1.75	1.75	1.70	1.75	0.06
FNEL	F. Nat.Equities	118500	3.85	3.75	3.93	3.72	3.77	-0.08
ICIBL	Invest Bank	28000	1.10	1.15	1.15	1.10	1.14	0.04
JSCL	Jah.Sidd. Co.	179500	10.54	10.55	10.98	10.50	10.92	0.38
JSCLPSA	JahangirSidd(Pref)	20000	7.25	7.25	7.25	7.24	7.25	0.00
JSGCL	JS Global Cap.	9500	321.50	321.01	338.00	316.02	336.00	14.50
JSIL	JS Investments	500	17.15	-	17.15	17.15	17.15	0.00
OLPL	OLP Financial	4000	19.99	19.52	19.91	19.50	19.91	-0.08
PSX	Pak Stock Exchange	28000	7.36	7.22	7.50	7.22	7.50	0.14
TSBL	Trust Brokerage	1000	12.02	11.02	11.02	11.02	11.02	-1.00

COMMERCIAL BANKS

ABL	Allied Bank Ltd	2500	65.00	68.5	68.50	65.10	65.10	0.10
AKBL	Askari Bank	68000	18.59	18.25	18.70	18.25	18.40	-0.19
BAFL	Bank Al-Falah	49021	30.29	30.1	30.74	30.10	30.42	0.13
BAHL	Bank AL-Habib	583703	52.77	52.97	53.00	52.50	52.68	-0.09
BIPL	Bankislami Pak.	107500	12.78	12.8	12.80	12.60	12.70	-0.08
BOK	Bank Of Khyber	5000	12.75	13	13.00	12.75	12.75	0.00
BOP	B.O.Punjab	2795500	4.66	4.65	4.70	4.52	4.56	-0.10
FABL	Faysal Bank	982128	24.33	24.85	24.85	23.60	23.76	-0.57
HBL	Habib Bank	373135	74.93	75.89	75.99	74.03	74.48	-0.45
HMB	Habib Metropol.	4000	32.50	32.5	32.99	32.50	32.99	0.49
MCB	MCB Bank Ltd	75544	114.98	115.84	115.84	114.00	115.46	0.48
MEBL	Meezan Bank	300027	95.33	96.3	96.40	95.20	95.96	0.63
NBP	National BankXD	234500	24.84	24.62	24.62	24.00	24.17	-0.67
SBL	Samba Bank	500	6.46	6.46	6.46	6.46	6.46	0.00
SCBPL	St.Chart.Bank	25000	22.30	22.69	22.69	22.00	22.00	-0.30
SILK	Silk Bank Ltd	530500	0.80	.8	0.86	0.80	0.85	0.05
SMBL	Summit Bank	84500	2.16	2.16	2.25	2.12	2.12	-0.04



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

Tuesday February 21,2023

PageNo: 2

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open Rate	Highest	Lowest	Last Rate	Diff.
--------------	----------	----------	-----------	---------	--------	-----------	-------

COMMERCIAL BANKS

SNBL	Soneri Bank Ltd	55000	9.68	9.5	9.59	9.30	9.31	-0.37
UBL	United Bank	253466	102.19	103.75	103.75	102.05	102.47	0.28

INSURANCE

AGIC	Ask.Gen.Insur.	1000	15.60	16.42	16.42	16.42	16.42	0.82
AICL	Adamjee Ins.	16500	30.25	30	30.39	30.00	30.29	0.04
ALIFE	Adamjee Life As	137000	17.50	18.75	18.81	18.02	18.02	0.52
ATIL	Atlas Ins. Ltd	22500	55.00	56	56.01	56.00	56.00	1.00
EFUG	EFU General	500	90.01	90	90.00	90.00	90.00	-0.01
EFUL	EFU Life Assr	1500	187.50	189	190.00	187.00	188.50	1.00
HICL	Habib Ins.	69500	5.85	5.51	5.84	5.50	5.60	-0.25
JLICL	Jubile Life Ins	200	141.60	142.95	142.95	142.95	142.95	1.35
PAKRI	Pak Reinsurance	402000	6.57	6.57	6.70	6.57	6.61	0.04
PINL	Premier Ins.	49500	6.32	7	7.32	7.00	7.32	1.00
TPLI	TPL Insurance	34500	18.96	18.21	18.87	18.20	18.82	-0.14
UNIC	United Insurance	1000	8.68	8.2	8.20	8.20	8.20	-0.48

REAL ESTATE INVESTMENT TRUST

DCR	Dolmen City	148500	13.58	13.68	13.70	13.50	13.52	-0.06
GRR	Globe Residency	42500	9.75	9.31	9.90	9.03	9.69	-0.06

TEXTILE SPINNING

ARCTM	Arctic Textile	1000	10.70	-	10.70	10.70	10.70	0.00
ASTM	Asim Textile	6500	6.02	6	6.35	6.00	6.35	0.33
DFSM	Dewan Farooque Sp.	129500	3.06	3.07	3.14	3.00	3.02	-0.04
DINT	Din Textile	0	94.94	-	0.00	0.00	93.83	-1.11
DSIL	D.S. Ind. Ltd.	6500	2.21	2.3	2.30	2.18	2.18	-0.03
ELSM	Ellicot Spinning	700	107.42	111.99	111.99	108.00	108.13	0.71
IDYM	Indus Dyeing	5300	131.00	130	131.00	130.00	131.00	0.00
JATM	J.A.Textile	1500	16.77	17.4	17.40	17.40	17.40	0.63
JDMT	Janana D Mal	1000	41.25	44.34	44.34	41.00	41.00	-0.25
JKSM	J.K.Spining	1000	46.01	42.8	42.80	42.65	42.65	-3.36
KOHTM	Kohat Textile	500	11.01	12.01	12.01	12.01	12.01	1.00
KOSM	Kohinoor Spining	91000	2.24	2.27	2.30	2.24	2.24	0.00
PRET	Premium Tex.	50	546.46	587.43	587.43	587.43	587.43	40.97
RCML	Reliance Cotton	200	646.58	600	600.00	600.00	600.00	-46.58
SSML	Saritow Spinning	2000	5.09	5.26	5.26	5.26	5.26	0.17
TATM	Tata Textile	15000	61.00	60	61.90	60.00	61.90	0.90

TEXTILE WEAVING

ASHT	Ashfaq Textile	2000	8.50	8.3	8.30	7.50	7.72	-0.78
STJT	Shahtaj Textile	500	86.10	80.1	80.10	80.10	80.10	-6.00
YOUW	Yousuf Weaving	11000	3.19	3.23	3.25	3.18	3.25	0.06

TEXTILE COMPOSITE

ANL	Azgard Nine	77139	6.70	6.61	6.89	6.61	6.80	0.10
CRTM	Crescent Tex.	1000	12.46	-	12.46	12.46	12.46	0.00
FML	Feroze 1888	3000	60.02	60.4	60.40	60.00	60.04	0.02
GATM	Gul Ahmed	154962	21.11	21.7	21.70	20.72	20.97	-0.14
GFIL	Ghazi Fabrics	2000	4.35	3.95	4.00	3.95	3.98	-0.37
ILP	Interloop Ltd.	3044697	49.00	49	50.25	49.00	50.00	1.00
KOIL	Kohinoor Ind.	500	5.69	-	5.69	5.69	5.69	0.00
KTML	Kohinoor Textile	22000	45.64	45.64	47.98	45.07	46.81	1.17
NCL	Nishat (Chun.)	76679	21.72	21.9	22.00	21.65	21.97	0.25
NML	Nishat Mills Ltd	1758429	52.14	52.8	54.00	52.14	53.71	1.57
QUET	Quetta Textile	57500	15.36	16.48	16.51	16.48	16.51	1.15



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

PageNo: 3

Tuesday February 21,2023

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open Rate	Highest	Lowest	Last Rate	Diff.
--------------	----------	----------	-----------	---------	--------	-----------	-------

TEXTILE COMPOSITE

REDCO	Redco Textile	500	6.90	6.3	6.30	6.30	6.30	-0.60
REWM	Reliance Weaving	23000	55.80	59	59.98	58.00	59.98	4.18
SFL	Sapphire Fiber	40	923.00	992.22	992.22	992.22	992.22	69.22
STML	Shams Textile	500	34.00	36.45	36.45	36.45	36.45	2.45

SYNTHETIC & RAYON

IMAGE	Image Pakistan	70000	9.15	9.15	9.58	9.10	9.33	0.18
PSYL	Pak Synthetics	500	36.85	39.61	39.61	39.61	39.61	2.76
RUPL	Rupali Polyester	1000	26.35	27.2	27.20	27.20	27.20	0.85

SUGAR & ALLIED INDUSTRIES

AABS	Al-Abbas Sugar	100	389.90	381	381.00	381.00	381.00	-8.90
AGSML	Abdullah Shah	6500	6.17	6.1	6.30	6.10	6.12	-0.05
ALNRS	AL-Noor Sugar	500	48.00	51.6	51.60	51.60	51.60	3.60
HABSM	Habib Sugar	21000	29.00	29	29.50	29.00	29.48	0.48
HRPL	Habib Rice Prod	1500	34.50	34.5	34.52	34.50	34.51	0.01
JSML	Jauharabad Sug	35000	13.80	13.5	13.95	13.45	13.84	0.04

CEMENT

ACPL	Attock Cement	1500	57.28	57.19	58.00	57.15	58.00	0.72
BWCL	Bestway Cement	21300	132.00	132	132.01	131.50	131.51	-0.49
CHCC	Cherat Cement	155472	100.11	102	102.55	101.01	102.00	1.89
DCL	Dewan Cement	87500	4.56	4.7	4.70	4.54	4.58	0.02
DGKC	D.G.K.Cement	669697	40.39	40.4	41.25	40.40	41.08	0.69
FCCL	Fauji Cement	1734000	11.51	11.64	11.68	11.51	11.59	0.08
FLYNG	Flying Cement	112500	5.74	5.8	5.88	5.67	5.73	-0.01
GWLC	Gharibwal Cement	82500	14.90	15.4	16.01	14.90	16.01	1.11
KOHC	Kohat Cement	79731	126.19	129.89	131.50	125.01	130.68	4.49
LUCK	Lucky Cement	82515	409.29	414.77	414.77	407.00	413.35	4.06
MLCF	Maple Leaf	1987431	21.98	22.18	22.58	21.98	22.36	0.38
PIOC	Pioneer Cement	581382	54.55	54.7	55.65	54.70	55.11	0.56
POWER	Power Cement	175500	4.55	4.54	4.54	4.41	4.46	-0.09
THCCL	Thatta Cement	13000	11.93	11.73	12.40	11.73	12.02	0.09

PROPERTY

JVDC	Javedan Corp.	2500	48.00	49	50.00	49.00	50.00	2.00
PACE	Pace (Pak) Ltd.	19000	2.23	2.26	2.30	2.26	2.30	0.07
TPLP	TPL Properties	956748	15.03	14.94	15.10	14.90	14.99	-0.04

TOBACCO

KHTC	Khyber Tobacco	7200	353.03	360	365.00	353.00	356.34	3.31
PAKT	Pak Tobacco	50	778.73	741	741.00	741.00	741.00	-37.73
PMPK	Philip Morris Pak.	300	566.55	536	536.00	536.00	536.00	-30.55

REFINERY

ATRL	Attock Refinery	1335057	158.85	159.95	165.00	159.50	163.84	4.99
CENERGY	Cnergyico PK	1392115	3.63	3.68	3.74	3.65	3.69	0.06
NRL	National Refinery	165381	153.79	154.5	156.00	154.00	155.41	1.62
PRL	Pak Refinery	2635492	12.99	13.1	13.30	13.05	13.26	0.27

POWER GENERATION & DISTRIBUTION

ALTN	Altern Energy	7000	15.85	15.8	15.80	15.31	15.50	-0.35
EPQL	Engro Powergen	82000	23.69	23.94	23.95	23.36	23.54	-0.15
HUBC	Hub Power Co.	1751562	65.73	65.9	67.15	65.71	66.60	0.87
KAPCO	Kot Addu Power	565282	28.00	27.85	28.26	27.85	27.94	-0.06
KEL	K-Electric Ltd.	848894	2.18	2.18	2.22	2.16	2.20	0.02



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

Tuesday February 21,2023

PageNo: 4
Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open Rate	Highest	Lowest	Last Rate	Diff.
--------------	----------	----------	-----------	---------	--------	-----------	-------

POWER GENERATION & DISTRIBUTION

KOHE	Kohinoor Energy	368500	35.55	35.6	35.98	34.69	34.81	-0.74
KOHP	Kohinoor Power	3000	3.92	4.16	4.16	3.99	4.00	0.08
LPL	Lalpir Power	69500	15.97	15.97	16.00	15.61	15.61	-0.36
NCPL	Nishat ChunPow	2130000	16.25	16.27	16.69	15.04	15.04	-1.21
NPL	Nishat Power	2001661	19.73	19.75	19.75	19.21	19.28	-0.45
SGPL	S.G.Power	14500	5.80	5.81	5.81	5.75	5.77	-0.03
SPWL	Saif Power Ltd.	61500	18.54	18.65	18.67	18.40	18.45	-0.09
TSPL	Tri-Star Power	134000	15.33	15.21	16.47	15.20	16.47	1.14

OIL & GAS MARKETING COMPANIES

APL	Attock Petroleum	22403	303.07	305	306.00	303.12	305.13	2.06
HTL	HI-Tech Lub.	125000	22.96	23.02	23.28	22.90	22.97	0.01
OBOY	Oilboy Energy L	140500	6.35	6.54	6.54	6.25	6.26	-0.09
PSO	P.S.O.	457290	124.39	125.2	126.70	124.70	126.11	1.72
SHEL	Shell Pakistan	208000	95.83	96	96.95	94.00	94.31	-1.52
SNGP	Sui North Gas	2501107	41.36	42.25	42.25	41.11	41.33	-0.03
SSGC	Sui South Gas	1218204	10.76	10.8	10.95	10.50	10.61	-0.15

OIL & GAS EXPLORATION COMPANIES

MARI	Mari Petroleum	2495	1468.70	1462	1478.99	1460.01	1464.94	-3.76
OGDC	Oil & Gas Dev.	3211839	89.72	90.67	91.70	90.10	91.23	1.51
POL	Pak Oilfields	54654	438.52	439	442.00	437.00	437.42	-1.10
PPL	Pak Petroleum	1568994	71.19	72.48	72.48	71.40	71.89	0.70

ENGINEERING

AGHA	Agha Steel Ind.	562000	11.46	11.78	11.88	11.33	11.76	0.30
ASL	Aisha Steel Mill	153542	6.66	6.74	6.79	6.50	6.61	-0.05
ASTL	Amreli Steels	44907	17.88	18.2	18.39	17.76	18.09	0.21
BCL	Bolan Casting	1500	37.95	36.99	37.70	36.99	37.23	-0.72
CSAP	Crescent Steel	13500	30.00	29.55	30.00	29.00	29.50	-0.50
DADX	Dadex Eternit	2500	37.98	35.14	37.95	35.14	37.95	-0.03
INIL	Int. Ind.Ltd.	50430	64.97	66.44	66.65	65.01	66.23	1.26
ISL	Inter.Steel Ltd	122947	41.88	41.56	42.50	41.01	42.01	0.13
ITTEFAQ	Ittefaq Iron Ind	112000	4.85	4.88	4.99	4.84	4.97	0.12
KSBP	K.S.B.Pumps	900	92.50	92.99	92.99	87.50	92.74	0.24
MUGHAL	Mughal Iron	806207	46.09	46.9	49.54	45.26	49.06	2.97

AUTOMOBILE ASSEMBLER

AGTL	AL-Ghazi Tractors	2000	280.05	285	285.00	279.00	279.00	-1.05
DFML	Dewan Motors	775500	11.87	11.51	12.11	11.41	11.53	-0.34
GHNI	Ghandhara Ind.	28136	92.27	92.5	94.95	92.00	92.15	-0.12
GHNL	Ghand Nissan	22160	35.38	35.87	35.87	35.15	35.49	0.11
HCAR	Honda Atlas Cars	14234	125.89	127.69	127.69	125.20	125.95	0.06
INDU	Indus Motor CoXD	9693	870.96	883.5	883.50	860.00	860.02	-10.94
MTL	Millat Tractors	107489	530.21	531	538.00	529.85	534.33	4.12
PSMC	Pak Suzuki	37403	125.88	128	128.00	125.00	126.44	0.56
SAZEW	Sazgar Eng	1507500	58.23	61	61.00	55.30	55.96	-2.27

AUTOMOBILE PARTS & ACCESSORIES

AGIL	Agriautos Ind.	4000	69.50	65	67.00	64.50	66.26	-3.24
ATBA	Atlas Battery	15500	168.45	170	173.40	169.00	170.19	1.74
EXIDE	Exide (PAK)	800	222.89	226.5	227.00	225.50	225.50	2.61
GTYR	Ghandhara Tyre	13500	23.77	24.01	24.34	23.60	23.80	0.03
LOADS	Loads Limited	221000	6.50	6.7	6.70	6.40	6.50	0.00
PTL	Panther Tyres Ltd.	20000	16.47	16.65	16.80	16.60	16.61	0.14
THALL	Thal Limited	100	185.00	189	189.00	189.00	185.00	0.00



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

PageNo: 5

Tuesday February 21,2023

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open	Rate	Highest	Lowest	Last	Rate	Diff.
--------------	----------	----------	------	------	---------	--------	------	------	-------

CABLE & ELECTRICAL GOODS

EMCO	EMCO Industries	51000	24.65	23.45	24.44	23.00	23.91	-0.74
PAEL	Pak Elektron	208500	10.94	11.15	11.15	10.92	11.00	0.06
PCAL	Pakistan Cables	3200	93.20	93	93.80	92.40	92.60	-0.60
SIEM	Siemens Pak.	350	587.28	599.99	601.00	599.99	601.00	13.72
WAVES	Waves Corp Ltd.	97500	7.71	7.7	7.80	7.60	7.69	-0.02
WHALE	Waves Home Appl	22000	5.70	5.62	5.74	5.61	5.70	0.00

TRANSPORT

PIAA	P.I.A.C.(A)	408000	3.70	3.79	3.80	3.69	3.70	0.00
PIBTL	Pak Int.Bulk	1242500	4.03	4.07	4.10	4.00	4.02	-0.01
PICT	Pak.Int.Cont.	1800	164.32	164.5	164.50	163.50	164.17	-0.15
PNSC	P.N.S.C	246100	107.58	108	109.80	108.00	108.99	1.41

TECHNOLOGY & COMMUNICATION

AIRLINK	Air Link Commun	24500	22.85	23.09	23.10	22.59	22.62	-0.23
AVN	Avanceon Ltd	1493095	63.97	64.14	66.00	64.08	65.82	1.85
HUMNL	Hum Network	681500	5.45	5.47	5.63	5.46	5.51	0.06
MDTL	Media Times Ltd	81500	1.84	1.85	1.89	1.81	1.84	0.00
NETSOL	Netsol Tech.	445586	76.74	77.3	78.50	76.80	78.15	1.41
OCTOPUS	Octopus Digital	89000	53.26	54.2	54.30	53.59	53.97	0.71
PAKD	Pak Datacom	4500	59.75	57.57	57.57	55.75	56.62	-3.13
PTC	P.T.C.L.	948500	5.90	5.95	6.20	5.95	6.14	0.24
SYS	Systems Limited	626151	487.35	489.5	499.50	485.10	496.30	8.95
TELE	Telecard Limited	958500	5.65	5.7	5.80	5.70	5.76	0.11
TPL	TPL Corp Ltd	198000	6.26	6.4	6.40	6.23	6.32	0.06
TPLT	TPL Trakker Ltd	303000	9.00	8.26	8.26	8.00	8.00	-1.00
TRG	TRG Pak Ltd	12961340	112.59	113.69	116.79	108.26	116.14	3.55
WTL	WorldCall Telecom	12183008	1.16	1.17	1.18	1.16	1.17	0.01

FERTILIZER

AHCL	Arif Habib Corp	3000	32.72	31	32.45	31.00	32.45	-0.27
EFERT	Engro Fert.	295944	85.27	85.98	85.98	85.31	85.68	0.41
ENGRO	Engro Corp	711588	300.01	301.5	301.50	299.01	299.94	-0.07
FATIMA	Fatima Fert.	132476	30.34	30.49	30.89	29.93	30.18	-0.16
FFBL	Fauji Fert Bin	166000	12.65	12.8	12.80	12.57	12.64	-0.01
FFC	Fauji Fert.	353216	102.13	102.5	102.96	101.99	102.01	-0.12

PHARMACEUTICALS

ABOT	Abbott Lab.	350	405.03	407.99	408.00	406.00	406.50	1.47
AGP	AGP Limited	4056	55.62	56.95	56.95	55.55	55.92	0.30
CPHL	Citi Pharma Ltd	186796	24.23	24.12	24.60	24.11	24.51	0.28
FEROZ	Ferozsons (Lab)	123300	145.65	147.99	156.56	147.99	151.78	6.13
GLAXO	GlaxoSmithKline	17500	83.00	83.83	83.83	82.60	83.15	0.15
HALEON	Haleon Pakistan	2100	142.00	145	146.00	143.00	143.00	1.00
HINOON	Highnoon (Lab)	4450	487.60	494.89	500.00	491.00	495.51	7.91
IBLHL	IBL HealthCare	1500	33.50	34.19	34.19	33.30	33.30	-0.20
OTSU	Otsuka Pak	1100	88.00	91.45	91.45	86.00	86.53	-1.47
SEARL	The Searle Co.	1822905	55.88	56.59	56.68	56.05	56.39	0.51

CHEMICAL

AGL	Agritech Limited	25500	4.30	4.26	4.38	4.24	4.27	-0.03
ARPL	Archroma Pak	100	446.18	430.06	430.06	430.06	430.06	-16.12
BERG	Berger Paints	6000	60.71	61.5	61.50	61.11	61.11	0.40
BIFO	Biafo Ind.	4000	61.50	60.36	60.89	60.31	60.46	-1.04
COLG	Colgate PalmXDXB	660	1442.69	1422	1441.99	1422.00	1438.30	-4.39
DOL	Descon OxychemXD	400000	21.45	21.51	23.05	21.50	23.05	1.60



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

Tuesday February 21,2023

PageNo: 6
Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open	Rate	Highest	Lowest	Last	Rate	Diff.
--------------	----------	----------	------	------	---------	--------	------	------	-------

CHEMICAL

DYNO	Dynea Pakistan	2400	120.00	125	125.15	113.50	119.62	-0.38
EPCL	Engro Polymer	194216	46.15	46.15	46.29	46.00	46.13	-0.02
EPCLPS	Engro Poly(Pref)	6500	12.49	11.51	12.00	11.50	12.00	-0.49
GCIL	Ghani Chemical	154000	10.38	10.38	10.58	10.30	10.31	-0.07
GGL	Ghani Glo Hol	473956	10.27	10.39	10.40	10.28	10.34	0.07
ICL	Ittehad Chem.	34500	32.76	32.48	33.30	32.48	33.21	0.45
LCI	Lucky Core Ind.	250	600.35	592	593.00	591.00	592.75	-7.60
LOTCHEM	Lotte Chemical	595414	25.04	25.17	25.30	25.01	25.08	0.04
LPGL	Leiner Pak Gelat	500	13.65	13.65	13.65	13.65	13.65	0.00
NICL	Nimir Ind.Chem.	1000	57.00	57	57.00	57.00	57.00	0.00
NRSL	Nimir Resins	3000	13.97	14.09	14.30	13.85	14.15	0.18
PAKOXY	Pak Oxygen Ltd.	42100	147.99	148	154.00	147.99	149.77	1.78
SITC	Sitara Chemical	2000	233.83	243	251.36	243.00	247.80	13.97

PAPER & BOARD

CEPB	Century Paper	8500	39.66	39.6	40.00	39.50	39.70	0.04
CPPL	Cherat Pack	7900	87.00	85.1	85.25	84.00	84.84	-2.16
PKGS	Packages Ltd.	1900	350.50	355	357.50	350.50	355.00	4.50
PPP	Pak Paper Prod	25000	52.50	48.6	49.50	48.57	48.57	-3.93
RPL	Roshan Packages	11000	9.85	10.15	10.15	9.90	10.00	0.15
SEPL	Security Paper	1900	90.00	90	90.00	88.13	89.94	-0.06

VANASPATI & ALLIED INDUSTRIES

POML	Punjab Oil	100	119.13	111	111.00	111.00	119.13	0.00
------	------------	-----	--------	-----	--------	--------	--------	------

LEATHER & TANNERIES

LEUL	Leather Up Ltd.	2500	11.10	12.1	12.10	11.80	11.80	0.70
PAKL	Pak Leather	500	16.85	15.62	15.62	15.62	15.62	-1.23
SGF	Service Global Foot	9500	26.50	26.5	26.50	26.40	26.50	0.00
SRVI	Service Ind.Ltd	100	250.00	250	250.00	250.00	250.00	0.00

FOOD & PERSONAL CARE PRODUCTS

ASC	Al-Shaheer Corp	253985	10.15	10.1	10.32	10.02	10.10	-0.05
BNL	Bunnys Limited	10500	17.10	17.3	17.50	17.25	17.37	0.27
CLOV	Clover Pakistan	15000	15.40	15.25	15.50	15.05	15.17	-0.23
FCEPL	Frieslandcampina	6800	61.99	62.6	62.80	61.65	61.86	-0.13
FFL	Fauji Foods Ltd	496850	4.91	4.92	5.00	4.88	4.93	0.02
GLPL	Gillette Pak	100	126.20	-	126.20	126.20	126.20	0.00
MFFL	MithchellsFruit	48500	89.84	90.5	91.69	87.00	90.56	0.72
MFL	Matco Foods Ltd	5500	34.00	34.5	34.50	33.55	34.09	0.09
NATF	National Foods	11000	103.10	103	103.00	102.00	102.04	-1.06
PREMA	At-Tahur Ltd.	103000	15.54	15.99	16.32	15.70	16.19	0.65
QUICE	Quice Food	3000	3.60	3.52	3.55	3.52	3.55	-0.05
SHEZ	Shezan Inter.	2400	113.60	114	114.00	110.00	111.03	-2.57
TOMCL	The Organic Meat	140500	20.79	21	21.00	20.45	20.72	-0.07
TREET	Treet Corp	98500	15.78	15.78	15.94	15.61	15.80	0.02
UNITY	Unity Foods Ltd	875073	13.59	13.6	13.78	13.50	13.54	-0.05
UPFL	Unilever Foods	160	18210.00	18555	18555.00	18210.00	18210.00	0.00
ZIL	ZIL Limited	900	212.75	210	210.00	209.00	209.00	-3.75

GLASS & CERAMICS

BGL	Bal.Glass	182500	11.45	11.75	12.05	11.52	11.95	0.50
GGGL	GhaniGlobalGlass	236500	6.45	6.5	6.63	6.41	6.43	-0.02
GHGL	Ghani Glass Ltd	955000	37.49	37.51	38.25	37.50	38.04	0.55
GVGL	Ghani Value Glas	38000	55.01	53.01	55.00	53.01	55.00	-0.01
STCL	Shabbir Tiles	50500	8.20	8.25	8.40	8.09	8.39	0.19

Pakistan Stock Exchange Limited								
CLOSING RATE SUMMARY								
From : 09:30_AM_TO_04:15_PM								
Tuesday February 21,2023						PageNo: 7		
						Flu No:037/2023		
P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150	
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123	
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27	
Company Name		Turnover	Prv.Rate	Open Rate	Highest	Lowest	Last Rate	Diff.
GLASS & CERAMICS								
TGL	Tariq Glass Ind.	80971	66.50	66.9	67.98	65.50	66.05	-0.45
MISCELLANEOUS								
ECOP	ECOPACK Ltd	500	15.92	15.9	15.90	15.90	15.90	-0.02
GAMON	Gammon Pak	2500	5.60	-	5.60	5.60	5.60	0.00
GOC	GOC (Pak) Ltd.	500	66.20	61.24	61.24	61.24	61.24	-4.96
MACFL	MACPAC Films	6500	16.24	16.3	16.48	16.20	16.35	0.11
META	MetaTech Health	13500	7.52	7.42	7.60	7.20	7.60	0.08
PABC	Pakistan Alumin	12000	40.00	40	40.00	40.00	40.00	0.00
PSEL	Pak Services	50	1658.21	1774	1774.00	1774.00	1774.00	115.79
SHFA	Shifa Int.Hosp	8400	106.87	107.5	108.98	106.99	108.11	1.24
SPEL	Synthetic Prod	1167000	9.77	10.49	10.77	10.30	10.77	1.00
STPL	Siddiqsons Tin	75000	6.29	6.04	6.30	6.04	6.12	-0.17
TRIPF	Tri-Pack Films	200	129.00	129	129.00	129.00	129.00	0.00
UBDL	United Brands	5000	11.80	12.5	12.80	12.50	12.80	1.00
EXCHANGE TRADED FUNDS								
HBLTETF	HLB Total Treas	2500	10.67	10.67	10.67	10.65	10.65	-0.02
MZNPETF	Meezan Pakistan	7500	8.06	8.02	8.08	8.02	8.08	0.02
FUTURE CONTRACTS								
AGHA-APR	AGHA-APR	0	11.93	-	0.00	0.00	12.24	0.31
AGHA-FEB	AGHA-FEB	0	11.65	-	0.00	0.00	11.79	0.14
AGHA-MAR	AGHA-MAR	0	11.74	-	0.00	0.00	12.04	0.30
AGL-APR	AGL-APR	0	4.48	-	0.00	0.00	4.44	-0.04
AGL-FEB	AGL-FEB	8603	4.32	4.4	4.40	4.32	4.40	0.08
AGL-MAR	AGL-MAR	8600	4.40	-	4.40	4.40	4.40	0.00
AIRLINK-APR	AIRLINK-APR	0	23.80	-	0.00	0.00	23.54	-0.26
AIRLINK-FEB	AIRLINK-FEB	0	22.93	-	0.00	0.00	22.69	-0.24
AIRLINK-MAR	AIRLINK-MAR	0	23.40	-	0.00	0.00	23.15	-0.25
AKBL-APR	AKBL-APR	0	18.66	-	0.00	0.00	18.45	-0.21
AKBL-APRB	AKBL-APRB	0	16.78	-	0.00	0.00	16.57	-0.21
AKBL-FEB	AKBL-FEB	11	18.56	18.01	18.79	18.01	18.51	-0.05
AKBL-MAR	AKBL-MAR	0	18.60	-	0.00	0.00	18.45	-0.15
AKBL-MARB	AKBL-MARB	0	16.50	-	0.00	0.00	16.30	-0.20
ANL-APR	ANL-APR	0	6.98	-	0.00	0.00	7.08	0.10
ANL-FEB	ANL-FEB	390	6.70	6.7	6.90	6.70	6.80	0.10
ANL-MAR	ANL-MAR	370	6.86	6.87	7.74	6.85	6.93	0.07
APL-APR	APL-APR	0	315.61	-	0.00	0.00	317.57	1.96
APL-FEB	APL-FEB	3	308.94	306.94	308.99	306.94	308.27	-0.67
APL-MAR	APL-MAR	1	310.41	310.2	310.20	310.20	310.20	-0.21
ASC-APR	ASC-APR	0	10.57	-	0.00	0.00	10.51	-0.06
ASC-FEBB	ASC-FEBB	1503	10.19	10.25	10.25	10.25	10.25	0.06
ASC-MAR	ASC-MAR	1517	10.25	10.35	10.35	10.25	10.35	0.10
ASL-APR	ASL-APR	0	6.94	-	0.00	0.00	6.88	-0.06
ASL-FEB	ASL-FEB	7	6.67	6.7	6.70	6.68	6.69	0.02
ASL-MAR	ASL-MAR	4	6.82	6.82	6.82	6.82	6.82	0.00
ASTL-APR	ASTL-APR	0	18.62	-	0.00	0.00	18.83	0.21
ASTL-FEB	ASTL-FEB	0	18.00	-	0.00	0.00	18.14	0.14
ASTL-MAR	ASTL-MAR	0	18.31	-	0.00	0.00	18.52	0.21
ATRL-APR	ATRL-APR	0	165.42	-	0.00	0.00	170.52	5.10
ATRL-FEB	ATRL-FEB	2467	159.43	160.5	165.50	160.50	164.35	4.92
ATRL-MAR	ATRL-MAR	1755	160.90	161.5	167.40	161.50	165.98	5.08
AVN-APR	AVN-APR	0	66.62	-	0.00	0.00	68.50	1.88
AVN-FEB	AVN-FEB	1244	64.07	64.6	66.00	64.03	65.94	1.87
AVN-MAR	AVN-MAR	1585	65.00	65.1	66.90	64.78	66.63	1.63



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

Tuesday February 21,2023

PageNo: 8

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open	Rate	Highest	Lowest	Last	Rate	Diff.
--------------	----------	----------	------	------	---------	--------	------	------	-------

FUTURE CONTRACTS

BAFL-APR	BAFL-APR	0	30.40	-	0.00	0.00	30.51	0.11
BAFL-APRB	BAFL-APRB	0	28.94	-	0.00	0.00	29.06	0.12
BAFL-FEB	BAFL-FEB	0	30.40	-	0.00	0.00	30.51	0.11
BAFL-MAR	BAFL-MAR	0	30.40	-	0.00	0.00	30.51	0.11
BAFL-MARB	BAFL-MARB	0	28.46	-	0.00	0.00	28.58	0.12
BAHL-APR	BAHL-APR	0	52.96	-	0.00	0.00	52.84	-0.12
BAHL-APRB	BAHL-APRB	0	47.66	-	0.00	0.00	47.54	-0.12
BAHL-FEB	BAHL-FEB	2	53.14	52.65	52.65	52.65	52.65	-0.49
BAHL-MAR	BAHL-MAR	0	52.96	-	0.00	0.00	52.84	-0.12
BAHL-MARB	BAHL-MARB	0	46.88	-	0.00	0.00	46.76	-0.12
BIPL-APR	BIPL-APR	0	13.31	-	0.00	0.00	13.22	-0.09
BIPL-FEB	BIPL-FEB	0	12.83	-	0.00	0.00	12.74	-0.09
BIPL-MAR	BIPL-MAR	0	13.09	-	0.00	0.00	13.00	-0.09
BOP-APR	BOP-APR	0	4.68	-	0.00	0.00	4.57	-0.11
BOP-APRB	BOP-APRB	0	4.40	-	0.00	0.00	4.30	-0.10
BOP-FEB	BOP-FEB	56	4.69	4.65	4.65	4.55	4.56	-0.13
BOP-MAR	BOP-MAR	84	4.67	4.6	4.60	4.56	4.57	-0.10
BOP-MARB	BOP-MARB	0	4.40	-	0.00	0.00	4.23	-0.17
CHCC-APR	CHCC-APR	0	104.25	-	0.00	0.00	106.16	1.91
CHCC-FEB	CHCC-FEB	155	100.60	101	102.75	100.52	102.05	1.45
CHCC-MAR	CHCC-MAR	42	102.00	101.51	103.50	101.51	103.27	1.27
CENERGY-APR	CENERGY-APR	0	3.78	-	0.00	0.00	3.84	0.06
CENERGY-FEB	CENERGY-FEB	9159	3.65	3.66	3.73	3.66	3.69	0.04
CENERGY-MAR	CENERGY-MAR	6508	3.71	3.72	3.78	3.72	3.77	0.06
CPHL-APR	CPHL-APR	0	25.23	-	0.00	0.00	25.51	0.28
CPHL-FEB	CPHL-FEB	48	24.30	24.2	24.59	24.20	24.54	0.24
CPHL-MAR	CPHL-MAR	0	24.82	-	0.00	0.00	25.09	0.27
DGKC-APR	DGKC-APR	0	42.06	-	0.00	0.00	42.76	0.70
DGKC-FEB	DGKC-FEB	2154	40.53	40.55	41.25	40.50	41.18	0.65
DGKC-MAR	DGKC-MAR	2169	41.08	41.56	41.84	41.30	41.75	0.67
EFERT-APR	EFERT-APR	7	85.57	85.4	85.40	85.40	85.40	-0.17
EFERT-APRB	EFERT-APRB	0	83.59	-	0.00	0.00	83.97	0.38
EFERT-FEB	EFERT-FEB	8	85.20	85.2	85.70	85.20	85.70	0.50
EFERT-MAR	EFERT-MAR	0	85.20	-	0.00	0.00	85.93	0.73
EFERT-MARB	EFERT-MARB	0	82.21	-	0.00	0.00	82.59	0.38
ENGRO-APR	ENGRO-APR	0	301.07	-	0.00	0.00	300.83	-0.24
ENGRO-APRB	ENGRO-APRB	0	311.38	-	0.00	0.00	311.13	-0.25
ENGRO-FEB	ENGRO-FEB	362	300.72	301	301.00	299.10	300.50	-0.22
ENGRO-MAR	ENGRO-MAR	16	300.87	299.15	300.79	299.10	300.79	-0.08
ENGRO-MARB	ENGRO-MARB	249	304.47	303.05	304.50	303.01	304.47	0.00
EPCL-APR	EPCL-APR	0	48.06	-	0.00	0.00	48.01	-0.05
EPCL-FEB	EPCL-FEB	94	46.39	46.4	47.06	46.13	46.20	-0.19
EPCL-MAR	EPCL-MAR	22	47.27	46.75	46.75	46.75	46.75	-0.52
EPQL-APR	EPQL-APR	0	24.67	-	0.00	0.00	24.50	-0.17
EPQL-FEB	EPQL-FEB	0	23.79	-	0.00	0.00	23.61	-0.18
EPQL-MAR	EPQL-MAR	0	24.26	-	0.00	0.00	24.10	-0.16
FABL-APR	FABL-APR	0	25.34	-	0.00	0.00	24.73	-0.61
FABL-FEB	FABL-FEB	88	24.40	24.3	24.30	23.70	24.09	-0.31
FABL-MAR	FABL-MAR	0	24.98	-	0.00	0.00	24.32	-0.66
FATIMA-APR	FATIMA-APR	0	31.60	-	0.00	0.00	31.41	-0.19
FATIMA-FEB	FATIMA-FEB	0	30.45	-	0.00	0.00	30.27	-0.18
FATIMA-MAR	FATIMA-MAR	0	31.08	-	0.00	0.00	30.89	-0.19
FCCL-APR	FCCL-APR	0	11.99	-	0.00	0.00	12.06	0.07
FCCL-FEB	FCCL-FEB	4085	11.58	11.68	11.69	11.58	11.62	0.04
FCCL-MAR	FCCL-MAR	5395	11.76	11.85	11.85	11.72	11.77	0.01
FFBL-APR	FFBL-APR	0	13.17	-	0.00	0.00	13.16	-0.01



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

PageNo: 9

Tuesday February 21,2023

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open	Rate	Highest	Lowest	Last	Rate	Diff.
--------------	----------	----------	------	------	---------	--------	------	------	-------

FUTURE CONTRACTS

FFBL-FEB	FFBL-FEB	25	12.38	12.78	12.85	12.59	12.66	0.28
FFBL-MAR	FFBL-MAR	21	13.10	12.8	12.80	12.80	12.80	-0.30
FFC-APR	FFC-APR	0	102.49	-	0.00	0.00	102.31	-0.18
FFC-APRB	FFC-APRB	0	103.07	-	0.00	0.00	102.89	-0.18
FFC-FEB	FFC-FEB	0	102.49	-	0.00	0.00	102.31	-0.18
FFC-MAR	FFC-MAR	0	102.49	-	0.00	0.00	102.31	-0.18
FFC-MARB	FFC-MARB	0	101.38	-	0.00	0.00	101.20	-0.18
FFL-APR	FFL-APR	0	5.11	-	0.00	0.00	5.13	0.02
FFL-FEB	FFL-FEB	4000	4.95	4.95	5.04	4.90	4.95	0.00
FFL-MAR	FFL-MAR	3647	5.00	5.03	5.05	5.00	5.03	0.03
FLYNG-APR	FLYNG-APR	0	5.98	-	0.00	0.00	5.96	-0.02
FLYNG-FEB	FLYNG-FEB	6	5.83	5.1	5.84	5.10	5.82	-0.01
FLYNG-MAR	FLYNG-MAR	0	5.88	-	0.00	0.00	5.87	-0.01
GATM-APR	GATM-APR	0	21.98	-	0.00	0.00	21.83	-0.15
GATM-FEB	GATM-FEB	19	21.00	21.05	21.05	20.89	21.05	0.05
GATM-MAR	GATM-MAR	4	21.62	21.58	21.65	21.58	21.61	-0.01
GGGL-APR	GGGL-APR	0	6.72	-	0.00	0.00	6.69	-0.03
GGGL-FEB	GGGL-FEB	39	6.45	6.54	6.54	6.49	6.49	0.04
GGGL-MAR	GGGL-MAR	4	6.76	6.11	6.50	6.11	6.50	-0.26
GGL-APR	GGL-APR	0	10.69	-	0.00	0.00	10.76	0.07
GGL-FEB	GGL-FEB	718	10.42	10.39	10.45	10.31	10.36	-0.06
GGL-MAR	GGL-MAR	813	10.42	10.52	10.65	10.50	10.51	0.09
GHNI-APR	GHNI-APR	0	96.09	-	0.00	0.00	95.91	-0.18
GHNI-FEB	GHNI-FEB	6	92.56	92.5	92.60	92.50	92.60	0.04
GHNI-MAR	GHNI-MAR	6	94.11	94.2	94.20	94.20	94.20	0.09
HBL-APR	HBL-APR	0	78.03	-	0.00	0.00	77.52	-0.51
HBL-FEB	HBL-FEB	30	75.00	75	76.00	74.50	74.63	-0.37
HBL-MAR	HBL-MAR	0	76.75	-	0.00	0.00	76.24	-0.51
HMB-APR	HMB-APR	0	33.84	-	0.00	0.00	34.34	0.50
HMB-FEB	HMB-FEB	0	32.62	-	0.00	0.00	33.09	0.47
HMB-MAR	HMB-MAR	0	33.29	-	0.00	0.00	33.77	0.48
HUBC-APR	HUBC-APR	0	68.45	-	0.00	0.00	69.32	0.87
HUBC-FEB	HUBC-FEB	927	65.93	66.35	67.34	66.20	66.70	0.77
HUBC-MAR	HUBC-MAR	301	66.80	67.2	68.40	67.20	67.51	0.71
HUMNL-APR	HUMNL-APR	0	5.68	-	0.00	0.00	5.73	0.05
HUMNL-FEB	HUMNL-FEB	114	5.45	5.55	5.60	5.50	5.51	0.06
HUMNL-MAR	HUMNL-MAR	8	5.56	5.6	5.60	5.60	5.60	0.04
ILP-APR	ILP-APR	0	51.03	-	0.00	0.00	52.04	1.01
ILP-FEB	ILP-FEB	0	49.17	-	0.00	0.00	50.15	0.98
ILP-MAR	ILP-MAR	0	50.19	-	0.00	0.00	51.18	0.99
INIL-APR	INIL-APR	0	67.66	-	0.00	0.00	68.93	1.27
INIL-FEB	INIL-FEB	42	65.99	65.5	66.50	65.50	66.15	0.16
INIL-MAR	INIL-MAR	32	66.93	66.6	67.00	66.60	66.99	0.06
ISL-APR	ISL-APR	0	43.61	-	0.00	0.00	43.72	0.11
ISL-FEB	ISL-FEB	84	42.02	42	42.29	41.50	41.93	-0.09
ISL-MAR	ISL-MAR	3	42.01	42.5	43.00	41.65	42.33	0.32
JSMFETF-APR	JSMFETF-APR	0	9.09	-	0.00	0.00	9.09	0.00
JSMFETF-FEB	JSMFETF-FEB	0	8.76	-	0.00	0.00	8.76	0.00
JSMFETF-MAR	JSMFETF-MAR	0	8.94	-	0.00	0.00	8.94	0.00
KAPCO-APR	KAPCO-APR	0	29.16	-	0.00	0.00	29.08	-0.08
KAPCO-FEB	KAPCO-FEB	343	28.18	28.2	28.20	28.00	28.00	-0.18
KAPCO-MAR	KAPCO-MAR	142	28.40	28.55	28.55	28.05	28.10	-0.30
KEL-APR	KEL-APR	0	2.27	-	0.00	0.00	2.29	0.02
KEL-FEB	KEL-FEB	16001	2.20	2.2	2.22	2.20	2.20	0.00
KEL-MAR	KEL-MAR	14519	2.22	2.24	2.25	2.23	2.24	0.02
KOHC-APR	KOHC-APR	0	131.41	-	0.00	0.00	136.01	4.60



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

PageNo: 10

Tuesday February 21,2023

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open	Rate	Highest	Lowest	Last	Rate	Diff.
--------------	----------	----------	------	------	---------	--------	------	------	-------

FUTURE CONTRACTS

KOHC-FEB	KOHC-FEB	2	128.00	128	131.00	128.00	131.00	3.00
KOHC-MAR	KOHC-MAR	2	129.25	128	128.00	128.00	128.00	-1.25
LOTCHEM-APR	LOTCHEM-APR	0	26.08	-	0.00	0.00	26.10	0.02
LOTCHEM-FEB	LOTCHEM-FEB	1025	25.07	25.2	25.35	25.00	25.07	0.00
LOTCHEM-MAR	LOTCHEM-MAR	665	25.24	25.4	25.45	25.25	25.29	0.05
LPL-APR	LPL-APR	0	16.63	-	0.00	0.00	16.25	-0.38
LPL-FEB	LPL-FEB	0	16.03	-	0.00	0.00	15.66	-0.37
LPL-MAR	LPL-MAR	0	16.36	-	0.00	0.00	15.98	-0.38
LUCK-APR	LUCK-APR	0	426.22	-	0.00	0.00	430.20	3.98
LUCK-FEB	LUCK-FEB	343	410.27	410	414.01	409.00	413.57	3.30
LUCK-MAR	LUCK-MAR	329	414.90	416	420.00	414.60	418.03	3.13
MCB-APR	MCB-APR	0	115.39	-	0.00	0.00	115.80	0.41
MCB-APRB	MCB-APRB	0	113.49	-	0.00	0.00	113.92	0.43
MCB-FEB	MCB-FEB	0	115.39	-	0.00	0.00	115.80	0.41
MCB-MAR	MCB-MAR	0	115.39	-	0.00	0.00	115.80	0.41
MCB-MARB	MCB-MARB	0	111.62	-	0.00	0.00	112.05	0.43
MEBL-APR	MEBL-APR	0	95.67	-	0.00	0.00	96.24	0.57
MEBL-APRB	MEBL-APRB	0	96.15	-	0.00	0.00	96.75	0.60
MEBL-FEB	MEBL-FEB	26	95.66	95.51	96.00	95.50	95.97	0.31
MEBL-MAR	MEBL-MAR	12	96.00	96.1	96.10	96.00	96.00	0.00
MEBL-MARB	MEBL-MARB	2	94.57	95	95.00	95.00	95.00	0.43
MLCF-APR	MLCF-APR	0	22.89	-	0.00	0.00	23.27	0.38
MLCF-FEB	MLCF-FEB	1804	22.06	22.21	22.58	22.06	22.40	0.34
MLCF-MAR	MLCF-MAR	1038	22.31	22.55	22.75	22.41	22.67	0.36
MTL-APR	MTL-APR	0	532.09	-	0.00	0.00	535.91	3.82
MTL-APRB	MTL-APRB	0	492.05	-	0.00	0.00	496.05	4.00
MTL-FEB	MTL-FEB	0	532.09	-	0.00	0.00	535.91	3.82
MTL-MAR	MTL-MAR	0	532.09	-	0.00	0.00	535.91	3.82
MTL-MARB	MTL-MARB	0	483.95	-	0.00	0.00	487.89	3.94
MUGHAL-APR	MUGHAL-APR	0	48.00	-	0.00	0.00	51.06	3.06
MUGHAL-FEB	MUGHAL-FEB	174	45.88	45.51	49.32	45.50	48.73	2.85
MUGHAL-MAR	MUGHAL-MAR	19	46.25	46.25	49.70	46.25	49.13	2.88
MZNPETF-APR	MZNPETF-APR	0	8.39	-	0.00	0.00	8.41	0.02
MZNPETF-FEB	MZNPETF-FEB	0	8.09	-	0.00	0.00	8.10	0.01
MZNPETF-MAR	MZNPETF-MAR	0	8.26	-	0.00	0.00	8.27	0.01
NBP-APR	NBP-APR	0	25.87	-	0.00	0.00	25.16	-0.71
NBP-FEB	NBP-FEB	6	24.70	24.1	24.17	24.10	24.17	-0.53
NBP-MAR	NBP-MAR	4	25.11	24.5	24.50	24.50	24.50	-0.61
NBPGETF-APR	NBPGETF-APR	0	10.01	-	0.00	0.00	10.00	-0.01
NBPGETF-FEB	NBPGETF-FEB	0	9.64	-	0.00	0.00	9.64	0.00
NBPGETF-MAR	NBPGETF-MAR	0	9.84	-	0.00	0.00	9.84	0.00
NCL-APR	NCL-APR	0	22.62	-	0.00	0.00	22.87	0.25
NCL-FEB	NCL-FEB	34	21.59	21.75	22.00	21.75	21.98	0.39
NCL-MAR	NCL-MAR	19	21.75	22.3	22.30	22.15	22.27	0.52
NCPL-APR	NCPL-APR	0	16.92	-	0.00	0.00	15.65	-1.27
NCPL-FEB	NCPL-FEB	398	16.29	16.3	16.75	15.07	15.07	-1.22
NCPL-MAR	NCPL-MAR	169	16.26	16.4	16.40	15.05	15.05	-1.21
NETSOL-APR	NETSOL-APR	0	79.91	-	0.00	0.00	81.34	1.43
NETSOL-FEB	NETSOL-FEB	666	77.15	77.5	78.75	76.40	78.43	1.28
NETSOL-MAR	NETSOL-MAR	519	78.25	78.99	79.70	77.60	79.29	1.04
NITGETF-APR	NITGETF-APR	0	11.47	-	0.00	0.00	11.46	-0.01
NITGETF-FEB	NITGETF-FEB	0	11.05	-	0.00	0.00	11.04	-0.01
NITGETF-MAR	NITGETF-MAR	0	11.28	-	0.00	0.00	11.27	-0.01
NML-APR	NML-APR	0	54.30	-	0.00	0.00	55.90	1.60
NML-FEB	NML-FEB	282	52.50	52.89	54.04	52.30	53.74	1.24
NML-MAR	NML-MAR	98	53.00	53.05	54.00	53.00	53.85	0.85



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

PageNo: 11

Tuesday February 21,2023

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open Rate	Highest	Lowest	Last Rate	Diff.
--------------	----------	----------	-----------	---------	--------	-----------	-------

FUTURE CONTRACTS

NPL-APRB	NPL-APRB	0	18.46	-	0.00	0.00	17.98	-0.48
NPL-FEB	NPL-FEB	2099	19.80	19.69	19.75	19.25	19.29	-0.51
NPL-MARB	NPL-MARB	1445	18.25	18.2	19.00	17.60	17.83	-0.42
NRL-APR	NRL-APR	0	160.15	-	0.00	0.00	161.75	1.60
NRL-FEB	NRL-FEB	406	154.52	155.5	156.50	154.00	156.01	1.49
NRL-MAR	NRL-MAR	341	156.05	157.99	158.10	156.23	157.10	1.05
OGDC-APR	OGDC-APR	0	93.43	-	0.00	0.00	94.95	1.52
OGDC-FEB	OGDC-FEB	3328	89.98	90.95	91.80	90.20	91.32	1.34
OGDC-MAR	OGDC-MAR	3464	90.81	92	92.70	90.50	92.22	1.41
PABC-APR	PABC-APR	0	41.65	-	0.00	0.00	41.63	-0.02
PABC-FEB	PABC-FEB	0	40.14	-	0.00	0.00	40.12	-0.02
PABC-MAR	PABC-MAR	0	40.97	-	0.00	0.00	40.95	-0.02
PACE-APR	PACE-APR	0	2.32	-	0.00	0.00	2.39	0.07
PACE-FEB	PACE-FEB	0	2.24	-	0.00	0.00	2.31	0.07
PACE-MAR	PACE-MAR	0	2.28	-	0.00	0.00	2.35	0.07
PAEL-APR	PAEL-APR	0	11.39	-	0.00	0.00	11.45	0.06
PAEL-FEB	PAEL-FEB	2603	10.99	11	11.05	10.95	10.99	0.00
PAEL-MAR	PAEL-MAR	2333	11.15	11.2	11.20	11.12	11.15	0.00
PAKRI-APR	PAKRI-APR	0	6.84	-	0.00	0.00	6.88	0.04
PAKRI-FEB	PAKRI-FEB	10	6.59	6.89	6.89	6.59	6.71	0.12
PAKRI-MAR	PAKRI-MAR	10	6.73	7.62	7.62	6.62	7.42	0.69
PIAA-APR	PIAA-APR	0	3.85	-	0.00	0.00	3.85	0.00
PIAA-FEB	PIAA-FEB	127	3.70	3.7	3.75	3.70	3.70	0.00
PIAA-MAR	PIAA-MAR	0	3.80	-	0.00	0.00	3.79	-0.01
PIBTL-APR	PIBTL-APR	0	4.20	-	0.00	0.00	4.18	-0.02
PIBTL-FEB	PIBTL-FEB	2257	4.14	4.06	4.14	4.00	4.03	-0.11
PIBTL-MAR	PIBTL-MAR	1818	4.13	4.12	4.13	4.03	4.13	0.00
PIOC-APR	PIOC-APR	0	56.81	-	0.00	0.00	57.36	0.55
PIOC-FEB	PIOC-FEB	832	54.28	55.4	55.80	54.57	55.22	0.94
PIOC-MAR	PIOC-MAR	676	55.01	55.5	56.17	55.50	55.87	0.86
POL-APR	POL-APR	0	456.66	-	0.00	0.00	455.26	-1.40
POL-FEB	POL-FEB	82	440.20	448.5	448.50	440.02	440.02	-0.18
POL-MAR	POL-MAR	80	444.00	445	445.00	445.00	445.00	1.00
POWER-APR	POWER-APR	0	4.74	-	0.00	0.00	4.64	-0.10
POWER-FEB	POWER-FEB	0	4.57	-	0.00	0.00	4.47	-0.10
POWER-MAR	POWER-MAR	0	4.66	-	0.00	0.00	4.57	-0.09
PPL-APR	PPL-APR	0	74.13	-	0.00	0.00	74.82	0.69
PPL-FEB	PPL-FEB	2601	71.52	73	73.00	71.52	72.03	0.51
PPL-MAR	PPL-MAR	1699	72.46	73	73.50	72.41	73.00	0.54
PRL-APR	PRL-APR	0	13.53	-	0.00	0.00	13.80	0.27
PRL-FEB	PRL-FEB	15507	13.12	13.15	13.35	13.05	13.29	0.17
PRL-MAR	PRL-MAR	14107	13.23	13.45	13.55	13.23	13.47	0.24
PSMC-APR	PSMC-APR	0	131.09	-	0.00	0.00	131.60	0.51
PSMC-FEB	PSMC-FEB	222	124.69	125.96	129.00	125.49	126.70	2.01
PSMC-MAR	PSMC-MAR	250	127.55	127.6	132.00	127.60	128.50	0.95
PSO-APR	PSO-APR	0	129.54	-	0.00	0.00	131.25	1.71
PSO-FEB	PSO-FEB	1597	124.70	125	126.98	124.80	126.56	1.86
PSO-MAR	PSO-MAR	1566	126.44	127	128.50	126.70	128.35	1.91
PTC-APR	PTC-APR	0	6.14	-	0.00	0.00	6.39	0.25
PTC-FEB	PTC-FEB	1900	5.90	6.05	6.19	5.95	6.17	0.27
PTC-MAR	PTC-MAR	1810	6.00	6.25	6.25	6.00	6.25	0.25
SEARL-APR	SEARL-APR	0	58.19	-	0.00	0.00	58.69	0.50
SEARL-FEB	SEARL-FEB	511	55.93	56.44	56.75	56.11	56.50	0.57
SEARL-MAR	SEARL-MAR	380	56.73	57	57.50	57.00	57.26	0.53
SHEL-APR	SHEL-APR	0	99.79	-	0.00	0.00	98.16	-1.63
SHEL-FEB	SHEL-FEB	17	96.53	96	96.00	94.52	94.60	-1.93



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

PageNo: 12

Tuesday February 21,2023

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open	Rate	Highest	Lowest	Last	Rate	Diff.
--------------	----------	----------	------	------	---------	--------	------	------	-------

FUTURE CONTRACTS

SHEL-MAR	SHEL-MAR	33	98.01	97.8	98.01	96.01	96.07	-1.94
SILK-APR	SILK-APR	0	0.83	-	0.00	0.00	0.88	0.05
SILK-FEB	SILK-FEB	2	0.82	.9	0.90	0.90	0.90	0.08
SILK-MAR	SILK-MAR	0	0.82	-	0.00	0.00	0.87	0.05
SMBL-APR	SMBL-APR	0	2.25	-	0.00	0.00	2.21	-0.04
SMBL-FEB	SMBL-FEB	0	2.16	-	0.00	0.00	2.13	-0.03
SMBL-MAR	SMBL-MAR	0	2.21	-	0.00	0.00	2.17	-0.04
SNBL-APR	SNBL-APR	0	10.08	-	0.00	0.00	9.69	-0.39
SNBL-FEB	SNBL-FEB	0	9.71	-	0.00	0.00	9.34	-0.37
SNBL-MAR	SNBL-MAR	0	9.91	-	0.00	0.00	9.53	-0.38
SNGP-APR	SNGP-APR	0	43.07	-	0.00	0.00	43.02	-0.05
SNGP-FEB	SNGP-FEB	2068	41.49	42	42.35	41.25	41.44	-0.05
SNGP-MAR	SNGP-MAR	597	42.03	42.3	42.80	41.55	41.97	-0.06
SPWL-APR	SPWL-APR	0	19.31	-	0.00	0.00	19.20	-0.11
SPWL-FEB	SPWL-FEB	0	18.85	-	0.00	0.00	18.50	-0.35
SPWL-MAR	SPWL-MAR	0	18.99	-	0.00	0.00	18.89	-0.10
SSGC-APR	SSGC-APR	0	11.21	-	0.00	0.00	11.04	-0.17
SSGC-FEB	SSGC-FEB	4336	10.78	10.95	10.98	10.60	10.65	-0.13
SSGC-MAR	SSGC-MAR	4062	10.56	10.89	11.10	10.77	10.81	0.25
STCL-APR	STCL-APR	0	8.54	-	0.00	0.00	8.73	0.19
STCL-FEB	STCL-FEB	0	8.23	-	0.00	0.00	8.41	0.18
STCL-MAR	STCL-MAR	0	8.40	-	0.00	0.00	8.59	0.19
SYS-APR	SYS-APR	0	507.51	-	0.00	0.00	516.54	9.03
SYS-FEB	SYS-FEB	180	487.67	488.99	497.90	487.67	496.09	8.42
SYS-MAR	SYS-MAR	193	491.12	493.01	505.00	493.00	501.84	10.72
TELE-APR	TELE-APR	0	5.88	-	0.00	0.00	5.99	0.11
TELE-FEB	TELE-FEB	351	5.66	5.8	5.82	5.70	5.77	0.11
TELE-MAR	TELE-MAR	247	5.74	5.81	5.97	5.80	5.85	0.11
TGL-APR	TGL-APR	0	69.25	-	0.00	0.00	68.74	-0.51
TGL-FEB	TGL-FEB	18	66.57	67.5	67.50	65.70	65.74	-0.83
TGL-MAR	TGL-MAR	11	68.20	66.5	67.30	66.50	67.06	-1.14
TPL-APR	TPL-APR	0	6.52	-	0.00	0.00	6.58	0.06
TPL-FEB	TPL-FEB	143	6.26	6.26	6.43	6.26	6.31	0.05
TPL-MAR	TPL-MAR	112	6.41	-	6.41	6.41	6.41	0.00
TPLP-APR	TPLP-APR	0	15.65	-	0.00	0.00	15.60	-0.05
TPLP-FEB	TPLP-FEB	1591	14.91	14.99	15.12	14.94	14.99	0.08
TPLP-MAR	TPLP-MAR	1141	15.04	15.25	15.30	15.15	15.17	0.13
TREET-APR	TREET-APR	0	16.43	-	0.00	0.00	16.44	0.01
TREET-FEB	TREET-FEB	264	15.80	15.75	15.85	15.75	15.85	0.05
TREET-MAR	TREET-MAR	286	16.00	16	16.06	16.00	16.05	0.05
TRG-APR	TRG-APR	1	117.25	119	119.00	119.00	119.00	1.75
TRG-FEB	TRG-FEB	50982	112.84	114	116.90	108.25	116.31	3.47
TRG-MAR	TRG-MAR	42645	114.82	115.85	118.75	110.70	118.15	3.33
UBL-APR	UBL-APR	0	106.42	-	0.00	0.00	106.65	0.23
UBL-FEB	UBL-FEB	0	102.55	-	0.00	0.00	102.77	0.22
UBL-MAR	UBL-MAR	0	104.67	-	0.00	0.00	104.89	0.22
UBLPETF-APR	UBLPETF-APR	0	11.04	-	0.00	0.00	11.03	-0.01
UBLPETF-FEB	UBLPETF-FEB	0	10.64	-	0.00	0.00	10.63	-0.01
UBLPETF-MAR	UBLPETF-MAR	0	10.86	-	0.00	0.00	10.85	-0.01
UNITY-APR	UNITY-APR	0	14.15	-	0.00	0.00	14.09	-0.06
UNITY-FEB	UNITY-FEB	3655	13.74	13.6	13.70	13.55	13.57	-0.17
UNITY-MAR	UNITY-MAR	2931	13.85	14	14.00	13.60	13.75	-0.10
WAVES-APR	WAVES-APR	0	8.03	-	0.00	0.00	8.00	-0.03
WAVES-FEB	WAVES-FEB	115	7.69	7.8	7.80	7.69	7.71	0.02
WAVES-MAR	WAVES-MAR	95	7.70	7.83	7.85	7.78	7.80	0.10
WTL-APR	WTL-APR	0	1.21	-	0.00	0.00	1.22	0.01



Pakistan Stock Exchange Limited

CLOSING RATE SUMMARY

From : 09:30_AM_TO_04:15_PM

Tuesday February 21,2023

PageNo: 13

Flu No:037/2023

P. Vol.:	92717662	P.KSE100 Ind:	40673.64	P.KSE 30 Ind:	15324.95	Plus :	150
C. Vol.:	96490520	C.KSE100 Ind:	40949.84	C.KSE 30 Ind:	15432.64	Minus:	123
Total	300	Net Change :	276.20	Net Change :	107.69	Equal:	27

Company Name	Turnover	Prv.Rate	Open Rate	Highest	Lowest	Last Rate	Diff.
--------------	----------	----------	-----------	---------	--------	-----------	-------

FUTURE CONTRACTS

WTL-FEB	WTL-FEB	12912	1.16	1.15	1.17	1.15	1.17	0.01
WTL-MAR	WTL-MAR	13699	1.18	1.18	1.19	1.18	1.18	0.00

BONDS

BIPLSC	Bank IslamiSC	8000	100.00	98.55	98.55	98.55	98.28	-1.72
JSBLTFC2	JS Bank Ltd(TFC	0	75.00	-	0.00	0.00	75.00	0.00
KELSC5	K-Electric(SUKUK5)	6600	101.76	-	101.76	101.76	101.76	0.00
MUGHALSC	Mughal Steel Su	0	100.00	-	0.00	0.00	100.00	0.00

STOCK INDEX FUTURE CONTRACTS

*****DEFAULTER COMPANIES *****

ENGINEERING

DSL	Dost Steels Ltd	168500	4.48	4.5	4.52	4.40	4.50	0.02
-----	-----------------	--------	------	-----	------	------	------	------

INSURANCE

PIL	PICIC Ins.Ltd.	86500	0.68	.57	0.68	0.57	0.64	-0.04
-----	----------------	-------	------	-----	------	------	------	-------

INV. BANKS / INV. COS. / SECURITIES COS.

PASL	Pervez Ahmed Co	50000	0.65	.74	0.82	0.70	0.75	0.10
------	-----------------	-------	------	-----	------	------	------	------

OIL & GAS MARKETING COMPANIES

HASCOL	Hascol Petrol	3401000	5.59	5.71	5.92	5.50	5.55	-0.04
--------	---------------	---------	------	------	------	------	------	-------

SUGAR & ALLIED INDUSTRIES

SKRS	Sakrand Sugar	2500	10.85	11.08	11.08	10.50	11.00	0.15
------	---------------	------	-------	-------	-------	-------	-------	------

DWSM	Dewan Sugar	39000	2.70	2.79	2.79	2.79	2.79	0.09
------	-------------	-------	------	------	------	------	------	------

TEXTILE COMPOSITE

AEL	AEL Textile Ltd	0	19.00	-	0.00	0.00	18.50	-0.50
-----	-----------------	---	-------	---	------	------	-------	-------

TEXTILE SPINNING

LMSM	Land Mark Spinn	1500	11.60	11.26	11.26	10.70	11.01	-0.59
------	-----------------	------	-------	-------	-------	-------	-------	-------

DATM	Data Textile	270000	4.35	4.05	4.20	3.45	3.47	-0.88
------	--------------	--------	------	------	------	------	------	-------

BILF	Bilal Fibres	10500	2.26	2.26	2.26	2.21	2.25	-0.01
------	--------------	-------	------	------	------	------	------	-------

HIRAT	Hira Textile	14500	1.79	1.61	1.71	1.60	1.60	-0.19
-------	--------------	-------	------	------	------	------	------	-------