ANNEX - I

Questionnaire

Dear Sir/Madam,

This is to bring your kind information that this is an attempt to identify the root Determinants of Share Price of Nepalese Commercial Banks listed in NEPSE for the partial fulfillment of Thesis required for MBS degree, TU. you are kindly requested to fill up the following questionnaire with the best answer in your view. I would be grateful to you for the contribution of your valuable time and effort.

Please note that all the questions are related to the a study on share price behavior Of Nepalese capital market

Name :			Sex : M [] F [] /	Age :
Occupation	(Tick O	ne):			
		Professional Investor			
		Potential Investor			
		Market Analyzer			
		Others (Specify)			
Academic Q	ualificat	tion (tick appropriate):			
		Under SLC			Graduate
		Higher Secondary			Post Graduate
Questions:					
Please Tick	the best	alternative (QN 1-4)			
1. Whi	ich one d	lo you think is major purpose to i	invest in Company S	Stoc	ks ?
	o To	earn maximum profit			
	o Saf	e investment			
	o For	capital gain			
	o Hel	p capital mobilization			
	o Oth	ners (if any)			
2. It h	as been	observed that the share investor	rs of Nepal are hig	hly	attracted in the shares of
Con	nmercial	Banks for their investment. What	at do you think is the	e pri	me cause of this ?
	o Cor	ntinuous Declaration of Dividend	l		
	o Ma	rket Stability			
	o Bar	nks are better controlled/managed	1		

- o Others.....
- 3. Do you think that Nepalese investor make investment decision after the analysis of relevant indicators?

 Yes [
]
 No [
]
 Can't Say [
]

- 4. In your experience the prevailing laws and policies regarding the buying and selling of shares are perfect?
 - o Yes
 - o No
 - o Don't know

Please indicate with the appropriate letter(s) in the gap to which extent do you agree with the following statements by filling in the blanks provided. (QN 5-11)

SA	for	Strongly Agree
Α	for	Agree
U	for	Undecided
D	for	Disagree
SD	for	Strongly Disagree

- 5. EPS is the main determiner of Share Price because higher EPS indicates higher Share Price.....
- 6. Dividend Pattern plays vital role on the determination of Share Price because higher the DPS, more will be the share price
- 7. Good Company Assets structure indicates higher share price.....
- 8. Better Capital Structure results higher share price
- 9. Political situation also cause the change in share price
- 10. Annual General Meeting and the election of Board of Director influence the share price
- 11. Higher the risk of the company, higher will be the share price.....

Please Rank 1, 2, 3,..., 6. [1 for the best factor]

12. Which of the following do you think affects the share price of the company ?

Earning Per Share [EPS]
Dividend Pattern (Dividend Per Share]
Company Assets
Capital Structure
Political Situation
AGM/Election of BOD

Thank you for your time and effort.

	Classification of Respondents of Survey (Q.N. 1-4)						
S.N.	Stem	Professional Investor	Potential Investor	Market Analyzer	Total		
		25	9	2	36		
	a.	(78)	(60)	(67)	(72)		
	1	2	3	1	6		
	b. –	(6)	(20)	(33)	(12)		
1		2	1	0	3		
1	с.	(6)	(7)	0	(6)		
	1	3	2	0	5		
	a. –	(9)	(13)	0	(10)		
	Tabl	32	15	3	50		
	I otal	(100)	(100)	(100)	(100)		
		14	4	1	19		
	a.	(44)	(27)	(33)	(38)		
	1.	2	3	0	5		
2	D. –	(6)	(20)	0	(10)		
Z	_	16	8	2	26		
	с. –	(50)	(53)	(67)	(52)		
	Total	32	15	3	50		
	Total	(100)	(100)	(100)	(100)		
	0	21	7	0	28		
	a.	(66)	(47)	0	(56)		
	h	8	5	2	15		
2	0.	(25)	(33)	(67)	(30)		
3		3	3	1	7		
	С.	(9)	(20)	(33)	(14)		
	Total	32	15	3	50		
	Totai	(100)	(100)	(100)	(100)		
	0	15	7	1	23		
	a. –	(47)	(47)	(33)	(46)		
	h	7	3	0	10		
1	υ.	(22)	(20)	0	(20)		
4	0	10	5	2	17		
		(31)	(33)	(67)	(34)		
	Total	32	15	3	50		
	Total	(100)	(100)	(100)	(100)		

APPENDIX - II

Note:

a. S.N. refers to Question Number.

b. Stem refers to the options of the answer.

c. The figure in bracket refers to the percentage of respective no. of respondents.

APPENDIX - III

		Basis	Rank							Weight	Mean	Overall
S.N.	Indicators		1	2	3	4	5	6	Total		Wt.	Rank
	Total	25	18	4	2	0	1	50	87	1.74	1	
		Professional	17	13	1	1	0	0	32	50	1.56	1
1	EPS	Investor										
		Potential Investor	6	4	3	1	0	1	15	33	2.20	2
		Market Analyzer	2	1	0	0	0	0	3	4	1.33	1
		Total	18	23	7	2	0	0	50	93	1.86	2
		Professional	11	14	5	2	0	0	32	62	1.94	2
2	DPS	Investor										
		Potential Investor	6	8	1	0	0	0	15	25	1.67	1
		Market Analyzer	1	1	1	0	0	0	3	6	2.00	2
		Total	0	0	2	4	18	26	50	268	5.36	6
		Professional	0	0	2	2	10	18	32	172	5.38	6
3	Assets	Investor										
		Potential Investor	0	0	0	2	7	6	15	79	5.27	6
		Market Analyzer	0	0	0	0	1	2	3	17	5.67	6
		Total	0	3	6	6	21	14	50	237	4.74	5
		Professional	0	2	4	3	15	8	32	151	4.72	5
4	Capital	Investor										
		Potential Investor	0	1	2	2	6	4	15	70	4.67	5
		Market Analyzer	0	0	0	1	0	2	3	16	5.33	6
		Total	4	5	21	10	6	4	50	171	3.42	3
	Professional	3	3	14	7	4	1	32	105	3.28	3	
5	Political	Investor										
		Potential Investor	1	1	6	3	2	2	15	55	3.67	4
		Market Analyzer	0	1	1	0	0	1	3	11	3.67	4
		Total	3	1	10	26	5	5	50	194	3.88	4
		Professional	2	1	6	16	3	4	32	125	3.91	4
6	AGM	Investor										
		Potential Investor	1	0	4	7	2	1	15	57	3.80	4
	Market Analyzer	0	0	0	3	0	0	3	12	4.00	4	

Rank wise No. of Responses of Survey (Q.No. 12)

APPENDIX - IV

FISCAI	DPS	MPS	2013	2.4.7			
DPS	DPS	Y	x = X-X	y = Y-Y	x ²	y ²	
2003/04	10	295	-17.022	-765	289.7485	585225	13021
2004/05	15	430	-12.022	-630	144.5285	396900	7573
2005/06	48	850	20.978	-210	440.0765	44100	-4405
2006/07	20	1375	-7.022	315	49.30848	99225	-2211
2007/08	42.11	2350	15.088	1290	227.6477	1664100	19463
Total	135.11	5300			1151.31	2789550.00	33441
i) Calculation c	of Mean_ For DPS			_ For N	1PS		
Mean	X =	X/5 =	27.02	Y =	Y/5 =	1060	
ii) Calculation	of Correlatior	n Coefficient bet	ween DPS and N	/IPS			

Calculation of Regression Line of MPS on DPS of BOK

Г

r =
$$\frac{1}{xy}$$
 = $\frac{33441.9}{33441.9}$ = 0.5901
x² y² 56671

iii) Calculation of Standard Deviation () For DPS



For MPS (y-y)² 2789 y Ν 5 Ξ

746.93

iv) Now the regression line of MPS Y on DPS X is given by;



Same process has been followed to calculate the regression equation of other banks and other variables.

APPENDIX – V

Calculation of Multiple Regression Equation of MPS on DPS and EPS of BOK Let MPS, DPS and EPS are denoted by X_1 , X_2 and X_3 respectively. Then the multiple regression equation of MPS(X_1) on DPS(X_2) and EPS(X_3) be;

$$X_1 = a_1 + b_1 X_2 + b_2 X_3 \dots (i)$$

The values of constant a_1 , b_1 and b_2 can be determined by solving following three normal equations simultaneously.

X_1	= na ₁	$+b_1 X_2$	$+ b_2 X_3$		(ii)
X_1X_2	$= a_1$	$X_2+b_1\\$	${X_{2}}^{2} + b_{2}$	X ₂ X ₃	(iii)
X_1X_3	$= a_1$	$X_3 + b_1$	$X_2X_3 + b_2$	X_{3}^{2}	(iv)

X ₁	\mathbf{X}_2	X ₃	X_1X_2	X_2X_3	X ₃ X ₁	X_2^2	X_{3}^{2}
295	10	27.5	2950	275	8112.5	100	756.25
430	15	30.1	6450	451.5	12943	225	906.01
850	48	43.67	40800	2096.16	37119.5	2304	1907.069
1375	20	43.5	27500	870	59812.5	400	1892.25
2350	42.11	59.94	98958.5	2524.073	140859	1773.252	3592.804
$X_1 =$	$\mathbf{X}_2 =$	$X_3 =$	$X_1X_2 =$	$X_2X_3 =$	$X_3X_1 =$	$X_2^2 =$	$X_3^2 =$
5300	135.11	204.71	176658.50	6216.73	258846.50	4802.25	9054.38

Substituting the sum values in normal equation, we get

 $5300 = 5 a_1 + 135.11 b_1 + 204.71 b_2 \dots (v)$ or, 176658.50 = 135.11 a_1 + 4802.25 b_1 + 6216.73 b_2 \dots (vi) or, 258846.50 = 204.71 a_1 + 6216.73 b_1 + 9054.38 b_2 \dots (vii)

Multiplying (v) by 135.11 and (vi) by 5 and then subtracting (v) from (vi), we get

 $883292.50 = 675.55 a_1 + 24011.26 b_1 + 31083.67 b_2$

$$716083.00 = 675.55 a_1 + 18254.71 b_1 + 27658.37 b_2$$

Again multiplying (v) by 204.71 and (vii) by 5 and then subtracting (v) from (vii), we get

1294232.50 =	= 1023	$55 a_1 + 31$	083.67 b ₁	+ 45271	.91 b ₂	
1084963.00		= 1023.55	$a_1 + 2765$	58.37 b ₁ +	- 41906.18 t	\mathfrak{I}_2
_	_	_	-	_		

or, $209269.50 = 3425.30 b_1 + 3365.73 b_2$ (ix)

Again multiplying (viii) by 3425.30 and (ix) by 5756.55 and then subtracting (viii) from (ix), we get,

	1204670005.39	$= 19717898.90 b_1 + 19374978.44 b_2$
	5727425816.42	$= 19717898.90 b_1 + 11732672.55 b_2$
or,	631927488.97	$= 7642305.88 b_2$
or,	, b ₂	= 631927488.97
		7642305.88
		= 82.69

Substituting the value of b_2 in equation (ix), we get

 $209269.50 = 3425.30 \text{ b}_{1} + 3365.73 \text{ x } 82.69$ or, 209269.50 = 3425.30 \textbf{b}_{1} + 278305.57 or, -69036.07 = 3425.30 \textbf{b}_{1} or, \textbf{b}_{1} = -\frac{69036.07}{3425.30} = -20.15

Again substituting the value of b_1 and b_2 in equation v, we get

5300 = 5 a_1 + 135.11 x -20.15 + 204.71 x 82.69 or, 5300 = 5 a_1 + 14203.96 or, -8903.96 = 5 a_1 or, a_1 = $\frac{-8903.96}{5}$ = -1780.79

Now substituting the values of a_1 , b_1 and b_2 in (i), we get multiple regression equation of MPS(X₁) on DPS(X₂) and EPS(X₃);

$$X_1 = -1780.79 - 20.15 X_2 + 82.69 X_3$$

i.e. MPS = -1780.79 - 20.15 DPS + 82.69 EPS