

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period
	Market	Black Scholes											
7UP-W4	0.17	0.23	0.54	2.95		1 : 1	-24.44		82.54	605.92	3.18	08-Aug-22	Last Trading of June
AJA-W1	0.04	N/A	0.2	0.24	1.53	1 : 1.30972	N/A	895.19	69.65	749.96	6.55	20-Nov-19	Last trading day of Mar, Sept
AKR-W1	0.17	0.05	0.78	1.76	1.00	1 : 1	257.08	50.00	30.83	671.57	4.59	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.55	0.18	2.68	1.32	3.00	1 : 1	209.48	32.46	23.77	230.98	4.87	18-Dec-20	15th of Mar,Sept
APEX-W1	0.02	0.01	0.16	1.85	0.40	1 : 1	96.61	162.50	56.42	499.97	8.00	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.12	0.44	0.96	1.78		1 : 1	-72.5		42.39	95.83	8.00	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.08	0	0.85	0.72	2.00	1 : 1	N/A	144.71	50.69	102.47	10.63	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	3.62	3.48	41	0.70	39.00	1 : 1	4.01	3.95	21.84	78.56	11.33	08-May-20	15th of Jun, Dec
B52-W1	SP	0	0.2	0.04	2.41	1 : 0.622	N/A	690.42	48.79	658.50	12.44	11-Sep-19	Last trading day of June, Dec
B52-W2	0.01	0	0.2	0.78	7.50	1 : 0.2	N/A	731.00	48.79	1,756.00	4.00	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.14	0	2.8	3.27	3.97	1 : 1.00731	N/A	47.16	11.33	358.73	20.15	30-Nov-22	Last trading day of Nov
BM-W1	0.17	0.01	2.1	0.97	4.00	1 : 1	N/A	98.57	33.87	110.00	12.35	14-Aug-20	16 Aug 2020
BROOK-W5	0.23	0.14	0.48	2.73	0.25	1 : 1	62.51	0.00	40.61	1,407.54	2.09	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	2.76	2.8	13.3	0.26	10.38	1 : 1.011	-1.28	-1.19	23.89	611.53	4.87	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.34	1.34	4.99	1 : 0.12024	N/A	164.80	83.24	3,437.23	4.09	28-Dec-20	30 of Nov
B-W4	0.07	0.07	0.34	1.85	0.92	1 : 1.3087	2.49	250.19	83.24	96.85	6.36	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.13	0	1.03	1.84	2.75	1 : 1	N/A	179.61	23.56	1,652.87	7.92	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.03	0.01	0.86	1.76	2.00	1 : 1	N/A	136.05	33.59	1,445.62	28.67	28-May-21	Last trading day of May,Nov
CHEWA-W1	0.02	N/A	0.74	0.25	1.75	1 : 1	N/A	139.19	31.27	467.34	37.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CHO-W2	0.17	0.09	0.86	1.35	0.86	1 : 1	79.86	19.77	31.67	649.42	5.06	30-Dec-20	Last trading day of June, Dec
CI-W1	0.09	0	1.08	0.76	2.16	1 : 1.0172	N/A	110.46	25.83	98.86	12.21	29-May-20	Last trading day of May,Nov
CKP-W1	1.11	0.7	6.3	0.76	6.00	1 : 1.0007	58.78	12.87	27.47	1,276.18	5.68	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	1.72	0.3	2.18	0.85	3.00	1 : 1	474.45	116.51	68.48	60.63	1.27	02-Jul-20	15th of Jan, Jul
DCC-W1	0.66	0.6	2.02	1.70	1.15	1 : 1	9.55	-10.40	21.55	1,907.75	3.06	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1	2.16	1.61	11.5	1.87	15.75	1 : 1	34.14	55.74	60.65	182.22	5.32	07-Jul-21	Last trading day of May,Nov

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period	
	Market	Black Scholes												
EARTH-W4	SP	0.01	0	0.46	0.05	6.86	1 : 1.02	N/A	1421.57	237.11	1,409.63	46.92	14-Sep-19	15th of Mar, Sep
ECF-W3		0.95	0	2.36	1.49	5.00	1 : 1.0008	N/A	152.06	24.43	129.95	2.49	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3		0.51	0.11	1.6	1.45	1.85	1 : 1	348.04	47.50	30.65	554.43	3.14	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3		0.01	0.01	0.04	0.77	0.60	1 : 1	N/A	1425.00	217.53	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4		0.01	0.01	0.04	0.77	0.50	1 : 1	N/A	1175.00	217.53	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2		0.01	0.01	0.05	0.89	1.00	1 : 2.32054	-15.8	4455.44	215.45	190.75	11.60	16-Jul-20	Last trading day of June, Dec
EIC-W3		0.02	0.06	0.05	1.81	1.00	1 : 2.32054	-64.26	4501.85	215.45	16.42	5.80	16-Jun-21	Last trading day of June, Dec
EMC-W6		0.13	0.09	0.23	4.14	0.15	1 : 1	48.86	21.74	52.48	4,216.75	1.77	15-Oct-23	15th of Apr, Oct
EPCO-W3		0.82	0.4	4.16	1.31	4.83	1 : 1.0361	102.99	37.01	37.16	85.54	5.26	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FVC-W2		0.24	0.01	0.46	0.84	0.96	1 : 1.04545	N/A	167.50	51.25	138.79	2.00	26-Jun-20	Last Trading of June
GJS-W3		0.01	0	0.14	0.45	0.17	1 : 0.5	N/A	13.14	81.39	3,674.43	7.00	07-Feb-20	Last trading day of June, Dec
GSTEEL-W1	SP	0.01	0	0.09	0.09	2.75	1 : 0.2	N/A	593.33	201.18	5,676.19	1.80	27-Sep-19	Last trading day of June, Dec
GSTEEL-W2	SP	0.01	0	0.09	0.09	2.75	1 : 0.2	N/A	593.33	201.18	1,348.65	1.80	27-Sep-19	Last trading day of June, Dec
HPT-W1		0.34	0.19	0.67	1.78	0.50	1 : 1	75.4	25.37	36.40	110.50	1.97	04-Jun-21	Last trading day of June, Dec
IHL-W1		1.37	1.4	4.98	0.13	3.50	1 : 1	-2.43	-2.21	46.07	13.04	3.64	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1		0.53	0.07	3.4	1.74	5.00	1 : 1	649.41	62.65	25.24	249.99	6.42	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3		3.76	2.89	6.75	0.86	3.61	1 : 1.192	30.32	10.86	41.91	1,304.56	2.14	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5		0.23	0	1.31	0.85	3.50	1 : 1	N/A	184.73	28.23	241.12	5.70	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1		1.71	0.04	8.15	0.71	15.00	1 : 1	4262.93	105.03	38.69	108.00	4.77	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2		3.32	2.76	18.5	2.01	18.62	1 : 1.02031	20.32	18.98	36.91	222.00	5.69	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1		0.54	0.02	0.98	2.79	2.00	1 : 1	2651.46	159.18	27.87	156.48	1.81	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1		1.42	0.6	5.65	2.67	4.00	2 : 1	136.2	-4.07	34.73	157.10	3.98	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2		0.25	0.04	1.53	2.01	2.10	1 : 1	470.12	53.59	24.04	1,375.54	6.12	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W4		0.14	0	1.4	1.25	3.50	1 : 1	N/A	160.00	30.40	91.07	10.00	26-Nov-20	29 Aug 19, 28 Nov 19, 27 Feb 20, 26 May 20, 2
MILL-W3		0.01	N/A	0.84	0.32	2.73	1 : 1.099	N/A	248.85	38.47	625.70	92.32	21-Dec-19	Last trading day of June, Dec

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period
	Market	Black Scholes											
MILL-W4	0.07	0.03	0.84	2.88	2.00	1 : 1.099	134.12	161.32	38.47	405.44	13.19	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.04	0	0.84	0.87	1.75	1 : 1.03	N/A	116.24	38.47	905.04	21.63	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	4.14	3.56	38.25	2.10	43.00	1 : 1	16.21	23.24	22.64	230.88	9.24	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.02	0	1.54	0.15	2.46	1 : 1.015	N/A	62.22	30.68	1,352.35	78.16	18-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.08	N/A	1.18	0.28	2.40	1 : 1.5	N/A	165.25	30.98	64.88	22.13	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	SP	0	0.28	0.05	0.55	1 : 1	N/A	100.00	57.18	208.41	28.00	14-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.80	0.02	1 : 1	N/A	160.00	406.66	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.63	0.92	3.62	2.30	6.48	1 : 1.00255	76.68	124.45	75.80	108.78	2.23	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.19	N/A	2.14	0.76	3.19	1 : 1.5695	N/A	90.63	36.98	127.75	17.68	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.51	0.39	1	2.41	0.50	1 : 1	31.94	1.00	27.86	749.60	1.96	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.17	0	0.33	0.48	1.00	1 : 1	N/A	254.55	53.18	693.94	1.94	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.13	0	2.34	1.89	7.86	1 : 1.018	N/A	245.80	28.99	276.12	18.32	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.47	0.41	1.14	2.47	1.00	1 : 1	13.4	28.95	84.26	603.22	2.43	13-Feb-22	13 Feb 2022
ORI-W1	0.89	0.22	8.25	1.10	13.33	1 : 1	298.25	72.40	42.33	609.86	9.27	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.17	3.50	2.00	1 : 1	N/A	1088.24	73.28	2,460.22	8.50	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.86	0	8.6	1.72	33.00	1 : 1	N/A	293.72	30.14	75.33	10.00	14-May-21	15 May, 15 Nov
PDJ-W3	0.51	0.51	1.53	0.45	1.00	1 : 1	-0.96	-1.31	25.01	25.59	3.00	07-Feb-20	7 Feb 20
PDJ-W4	0.49	0.52	1.53	1.45	1.00	1 : 1	-6.34	-2.61	25.01	51.19	3.12	07-Feb-21	7 Feb 21
PERM-W1	0.31	0.25	1.05	2.81	1.80	1 : 1	22.47	100.95	70.29	250.00	3.39	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	0.87	0.36	4.38	2.75	6.50	1 : 1	140.39	68.26	32.79	46.00	5.03	27-May-22	Last trading day of June, Dec
PRIME-W1	0.04	N/A	0.34	1.33	1.08	1 : 1.3946	N/A	317.97	58.85	347.00	11.85	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PRIME-W2	0.04	N/A	0.34	1.33	1.53	1 : 1.3095	N/A	472.69	58.85	261.75	11.13	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PROUD-W2	0.50	0.24	1.42	0.86	1.53	1 : 1.174	110.74	50.68	49.54	31.68	3.33	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.06	N/A	1.09	0.85	2.25	1 : 1.22449	N/A	136.60	24.89	157.08	22.24	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.10	3.97	16.7	0.74	12.47	1 : 1.0028	28.54	5.20	39.47	187.52	3.28	23-May-20	Last trading day of Apr, Oct

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period
	Market	Black Scholes											
SAMART-W2	0.72	0.37	9.25	1.73	14.80	1 : 1.014	92.21	68.73	36.01	335.43	13.03	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.18	0.06	1.01	1.18	1.00	1 : 1	213.78	16.83	15.99	93.41	5.61	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	7.55	11.53	54.75	0.76	48.48	1 : 1.237	-34.52	2.88	35.28	39.95	8.97	29-May-20	Last trading day of May,Nov
SDC-W1	0.14	0.05	0.29	3.77	0.50	1 : 1	177.6	120.69	44.39	1,731.04	2.07	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.20	N/A	1.44	0.73	13.32	1 : 1.1261	N/A	944.67	38.59	37.81	8.11	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.20	0	1.44	5.73	26.64	1 : 1.1261	N/A	1986.32	38.59	37.81	8.11	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.57	0.52	1.44	1.87	1.00	1 : 1	8.7	9.03	38.59	43.69	2.53	08-Jul-21	9 Jul 2021
SINGER-W1	2.62	2.21	8.1	1.66	7.00	1 : 1	18.4	18.77	47.25	65.75	3.09	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	2.02	1.52	8.1	3.65	14.00	1 : 1	32.58	97.78	47.25	65.75	4.01	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.29	0.02	1.55	0.76	2.10	1 : 1	1340.68	54.19	28.53	209.12	5.34	29-May-20	Last trading day of Mar, Sept , Dec
SPORT-W7 <i>SP</i>	0.01	N/A	0.14	0.01	0.20	1 : 1	N/A	50.00	80.63	84.40	14.00	30-Aug-19	Last trading day of each month
SST-W2	1.38	0.01	4.54	2.10	10.00	1 : 1	1571.03	150.66	24.22	30.39	3.29	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.43	0.1	2.26	0.49	4.00	1 : 1	324.9	96.02	82.17	135.45	5.26	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.04	0	0.66	1.02	2.50	1 : 1	N/A	284.85	39.03	5,469.68	16.50	31-Aug-20	Last trading day of Feb, May, Aug ,Nov
SVI-W3	0.96	0.04	3.38	0.58	4.44	1 : 1	2195.8	59.76	28.37	31.00	3.52	26-Mar-20	15 of Jul
SWC-W1	3.32	0.94	4.58	2.62	1.00	1 : 1	254.38	-5.68	52.36	149.99	1.38	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.10	0	0.51	1.43	1.88	1 : 1.07	N/A	308.41	34.43	400.00	5.46	28-Jan-21	Last trading day of Dec
TCC-W3	0.08	0	0.29	2.60	0.81	1 : 1.23886	N/A	255.03	39.54	92.20	4.49	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.08	0.01	0.29	3.72	0.90	1 : 1.10801	603.18	264.78	39.54	369.34	4.02	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.19	0.1	0.29	8.75	0.50	1 : 1	94.78	137.93	39.54	98.41	1.53	24-May-28	Last trading day of Jul
TCJ-W2	0.47	0	4.66	0.78	9.80	1 : 1.02	N/A	122.88	19.59	31.53	10.11	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.07	0.01	2.2	0.26	4.00	1 : 1	N/A	85.00	62.13	254.40	31.43	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.90	0.06	5.15	0.73	9.50	1 : 1	1469.51	101.94	43.78	510.81	5.72	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.02	0.09	4.07	0.50	1 : 1	-33.53	466.67	78.24	1,944.51	9.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	1.68	0.64	3.50	4 : 1	N/A	109.52	35.36	2,191.76	84.00	17-Apr-20	Last trading day of Apr, Oct

QA Report : Warrant Focus

Stock	Warrant Price(Bt)		Underlying (Baht)	Time Left (Year)	Exe. Price (Baht)	Exe. Ratio	Premium (%)	All in Premium (%)	Volatility (%)	Warrant Remaining (Mil.Unit)	Gearing (X)	Expiry Date	Exercise Period
	Market	Black Scholes											
TH-W2	0.16	0.02	0.72	0.81	1.00	1 : 1	955.48	61.11	33.58	321.67	4.50	16-Jun-20	Last Trading of June
TNITY-W1	0.42	0.02	4.14	1.56	5.00	1 : 1	2028.24	30.92	15.58	97.28	9.86	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.17	0.1	0.33	1.76	0.25	1 : 1.00027	77.71	27.26	39.90	1,606.61	1.94	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.90	0.25	9.35	1.84	18.00	1 : 1	255.25	102.14	35.72	112.00	10.39	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.40	0.21	1.28	1.60	1.00	1 : 1.002	88.24	9.24	26.26	162.48	3.21	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.01	0.01	0.08	0.43	0.10	1 : 1	-21.42	37.50	108.97	2,289.87	8.00	31-Jan-20	30 Jan 20
UAC-W2	0.53	0	3.04	0.85	5.55	1 : 1	N/A	100.00	20.96	66.76	5.74	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.45	0.05	0.51	0.55	0.50	1 : 1	833.28	86.27	31.08	103.01	1.13	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.12	0.20	6.00	1 : 0.01	N/A	1.83	39.89	180,628.31	2.12	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.12	3.55	6.00	1 : 0.01	N/A	1.83	39.89	141,895.49	2.12	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	1.56	1.86	10.1	3.05	10.00	1 : 1	-16.11	14.46	28.37	1,711.33	6.47	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	1.08	1.02	2.06	0.80	1.00	1 : 1.00086	5.79	0.92	21.65	426.70	1.91	14-Jun-20	30th of Sep
VIBHA-W3	0.27	0.07	2.06	2.80	3.00	1 : 1.00086	294.96	58.64	21.65	1,011.78	7.64	14-Jun-22	30 Sep of each year
WAVE-W1	0.33	0	1.87	0.70	6.00	1 : 1	N/A	238.50	36.82	42.12	5.67	08-May-20	Last trading day of June, Dec
WHA-W1	12.90	13.78	4.76	0.52	3.42	1 : 10.2396	-6.37	2486.35	18.36	79.06	3.78	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.16	N/A	1.4	2.36	4.22	1 : 1.185	N/A	252.32	25.80	124.97	10.37	02-Jan-22	Last Business Day of December of each year.
WORK-W1	1.63	0	22.9	0.10	38.10	1 : 1	N/A	73.49	51.05	3.42	14.05	01-Oct-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.10	N/A	0.86	4.65	2.70	1 : 2	N/A	451.16	19.87	413.03	17.20	17-Apr-24	Last trading day of Mar, June, Sept, Dec