

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											
AIRA-W2	0.01	0	1.28	0.11	3.49	1 : 1.00237	N/A	173.98	54.76	781.89	128.30	02-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1	0.05	0	0.21	0.41	1.53	1 : 1.30972	N/A	852.57	120.06	749.96	5.50	20-Nov-19	Last trading day of Mar, Sept
AKR-W1	0.15	0.06	0.77	1.93	1.00	1 : 1	159.76	49.35	33.57	671.57	5.13	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.60	0.3	2.96	1.49	3.00	1 : 1	98.15	21.62	22.41	230.98	4.93	18-Dec-20	15th of Mar, Sep
APEX-W1	0.03	0.01	0.19	2.02	0.40	1 : 1	154.95	126.32	46.18	499.97	6.33	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.12	0.61	1.34	1.95		1 : 1	-80.3		21.35	95.83	11.17	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.06	0.01	0.8	0.89	2.00	1 : 1	N/A	157.50	52.66	102.47	13.33	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	4.10	3.63	40.75	0.87	39.00	1 : 1	12.88	5.77	22.27	78.58	9.94	08-May-20	15th of Jun, Dec
B52-W1	0.01	0	0.29	0.21	2.41	1 : 0.622	N/A	456.85	85.76	658.50	18.04	10-Sep-19	Last trading day of June, Dec
B52-W2	0.01	0	0.29	0.95	7.50	1 : 0.2	N/A	497.93	85.76	1,756.00	5.80	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.12	0.04	2.88	3.44	3.97	1 : 1.00731	242.71	42.36	17.25	358.73	24.18	30-Nov-22	Last trading day of Nov
BM-W1	0.16	0.01	2.18	1.14	4.00	1 : 1	N/A	90.83	30.30	110.00	13.63	14-Aug-20	16 Aug 2020
BROOK-W5	0.27	0.16	0.5	2.91	0.25	1 : 1	71.73	4.00	43.76	1,409.40	1.85	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	1.62	1.45	12	0.43	10.50	1 : 1	12.03	1.00	21.34	1,266.91	7.41	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.56	1.52	6.53	1 : 0.09188	N/A	98.11	67.00	3,437.23	5.15	28-Dec-20	30 of Nov
B-W4	0.10	0.09	0.56	2.02	1.20	1 : 1	17.29	132.14	67.00	96.85	5.60	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.15	0	1.09	2.01	2.75	1 : 1	N/A	166.06	27.36	1,652.87	7.27	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.03	0.02	0.97	1.93	2.00	1 : 1	22.95	109.28	37.45	1,445.62	32.33	28-May-21	Last trading day of May, Nov
CHEWA-W1	0.01	0	0.85	0.43	1.75	1 : 1	N/A	107.06	31.78	467.34	85.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CI-W1	0.16	0	1.28	0.93	2.16	1 : 1.0172	N/A	82.87	23.21	98.86	8.14	29-May-20	Last trading day of May, Nov
CKP-W1	0.95	0.98	6.85	0.93	6.00	1 : 1.0007	-2.61	1.46	25.30	1,870.00	7.22	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	1.04	0.22	2.06	1.02	3.00	1 : 1	376.22	96.12	57.94	60.63	1.98	02-Jul-20	15th of Jan, Jul
DCC-W1	0.73	0.6	2.02	1.87	1.15	1 : 1	22.11	-6.93	23.41	1,907.75	2.77	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DIMET-W2	0.01	0	0.72	0.07	1.15	1 : 1	N/A	61.11	33.36	268.95	72.00	20-Jul-19	Last trading day of Aug ,Nov, Feb, Jul
EARTH-W4 <i>SP</i>	0.09	N/A	1.46	0.23	6.86	1 : 1.02	N/A	383.62		1,409.63	16.55	15-Sep-19	15th of Mar, Sep

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											
ECF-W3	1.33	0.09	2.66	1.66	5.00	1 : 1.0008	1456.47	137.92	38.29	129.95	2.00	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.27	0.13	1.6	1.62	1.85	1 : 1	103.33	32.50	32.58	554.43	5.93	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0.01	0.04	0.94	0.60	1 : 1	N/A	1425.00	183.49	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.04	0.94	0.50	1 : 1	N/A	1175.00	183.49	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	0	0.04	1.06	1.00	1 : 2.32054	N/A	5627.31	188.97	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.02	0.03	0.04	1.98	1.00	1 : 2.32054	-37.41	5685.32	188.97	16.42	4.64	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.16	0.13	0.29	4.31	0.15	1 : 1	26.49	6.90	56.40	4,216.75	1.81	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.29	0.1	3.18	1.48	4.83	1 : 1.0361	190.97	63.08	33.75	85.54	11.36	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.04	0	0.3	1.50	1.41	1 : 1.065	N/A	407.54	44.98	347.00	7.99	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.01	0	0.3	1.50	2.00	1 : 1	N/A	570.00	44.98	261.75	30.00	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.26	0.02	0.6	1.01	0.96	1 : 1.04545	1261.14	107.51	43.31	138.79	2.41	26-Jun-20	Last Trading of June
GJS-W3	0.01	0	0.14	0.62	0.17	1 : 0.5	N/A	13.14	71.27	3,674.43	7.00	07-Feb-20	Last trading day of June, Dec
GSTEL-W1 SP	0.01	N/A	0.13	0.27	2.75	1 : 0.2	N/A	404.62		5,676.19	2.60	29-Sep-19	Last trading day of June, Dec
GSTEL-W2 SP	0.01	N/A	0.13	0.26	2.75	1 : 0.2	N/A	404.62		1,348.65	2.60	26-Sep-19	Last trading day of June, Dec
IHL-W1	1.82	1.9	5.55	0.30	3.50	1 : 1	-4.31	-4.14	39.10	13.04	3.05	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.43	0.04	3.1	1.91	5.00	1 : 1	925.92	75.16	24.68	249.99	7.21	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	3.70	2.83	6.8	1.03	3.61	1 : 1.192	30.63	8.85	31.08	1,307.14	2.19	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.18	0	1.33	1.02	3.50	1 : 1	N/A	176.69	25.51	241.12	7.39	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.55	0.28	9	0.88	15.00	1 : 1	453.88	83.89	48.44	108.00	5.81	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	2.92	1.69	16.7	2.18	18.62	1 : 1.02031	72.99	29.58	32.57	222.00	5.84	27-Aug-21	Last trading day of Mar, June, Sept, Dec
LIT-W1	1.01	0.47	5.4	2.84	4.00	2 : 1	115.47	-7.22	31.92	157.10	5.35	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.14	0.04	1.5	2.18	2.10	1 : 1	233.55	49.33	23.90	1,375.54	10.71	27-Aug-21	Last trading day of Mar, June, Sept, Dec
MILL-W3	0.01	N/A	0.89	0.49	2.73	1 : 1.099	N/A	228.69	31.23	625.70	97.81	21-Dec-19	Last trading day of June, Dec
MILL-W4	0.09	0.02	0.89	3.05	2.00	1 : 1.099	492.11	148.55	31.23	405.44	10.87	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.03	0	0.89	1.05	1.75	1 : 1.03	N/A	102.77	31.23	905.04	30.56	10-Jul-20	Last trading day of Mar, June, Sept, 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											
MINT-W6	3.66	3.46	39.5	2.27	43.00	1 : 1	5.79	18.13	18.39	230.94	10.79	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.08	0	1.84	0.32	2.46	1 : 1.015	N/A	38.83	27.67	1,352.35	23.35	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.07	N/A	1.27	0.45	2.40	1 : 1.5	N/A	141.73	29.21	64.88	27.21	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.02	0	0.31	0.23	0.55	1 : 1	N/A	83.87	70.71	208.41	15.50	15-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.97	0.02	1 : 1	N/A	160.00	249.03	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.75	0.85	3.76	2.47	6.48	1 : 1.00255	106.4	119.28	66.40	108.78	2.15	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.24	N/A	2.4	0.93	3.19	1 : 1.5695	N/A	67.08	47.33	127.75	15.70	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.61	0.49	1.09	2.58	0.50	1 : 1	25.65	1.83	54.30	749.60	1.79	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.19	0	0.38	0.65	1.00	1 : 1	N/A	213.16	54.03	693.94	2.00	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.21	0.26	3.02	2.06	7.86	1 : 1.018	-19.09	170.23	68.46	276.12	14.64	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.44	0.51	1.27	2.64	1.00	1 : 1	-12.92	13.39	87.37	603.22	2.89	13-Feb-22	13 Feb 2022
ORI-W1	0.63	0.06	7.8	1.27	13.33	1 : 1	917.11	79.02	30.70	609.86	12.38	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.03	0.01	0.19	3.67	2.00	1 : 1	N/A	968.42	62.19	2,460.22	6.33	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.77	0.01	10.2	1.89	33.00	1 : 1	N/A	231.08	29.75	75.33	13.25	14-May-21	15 May, 15 Nov
PDJ-W3	0.61	0.73	1.75	0.62	1.00	1 : 1	-16.32	-8.00	33.00	25.59	2.87	07-Feb-20	7 Feb 20
PDJ-W4	0.62	0.73	1.75	1.63	1.00	1 : 1	-15.36	-7.43	33.00	51.19	2.82	07-Feb-21	7 Feb 21
PORT-W1	0.96	0.53	4.68	2.93	6.50	1 : 1	81.94	59.40	34.17	46.00	4.88	27-May-22	Last trading day of June, Dec
PROUD-W2	0.59	0.5	1.63	1.04	1.53	1 : 1.174	17.6	35.51	62.02	31.68	3.24	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W1 <i>SP</i>	0.01	N/A	1.39	0.02	1.47	1 : 1.22449	N/A	7.93	24.45	157.08	170.20	03-Jul-19	Last Trading day of Jan, Jul
RICHY-W2	0.06	N/A	1.39	1.02	2.25	1 : 1.22449	N/A	80.69	24.45	157.08	28.37	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.85	4.79	17.8	0.92	12.47	1 : 1.0028	22.05	2.91	36.36	187.52	3.05	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.70	0.28	8.55	1.90	14.80	1 : 1.014	151.24	82.42	35.30	335.43	12.39	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.15	0.07	1.02	1.35	1.00	1 : 1	113.31	12.75	17.83	93.41	6.80	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	8.20	12.7	55.25	0.93	48.48	1 : 1.237	-35.45	3.19	34.76	39.95	8.33	29-May-20	Last trading day of May,Nov
SDC-W1	0.18	0.1	0.34	3.94	0.50	1 : 1	79.05	100.00	55.41	1,731.04	1.89	01-Jun-23	Last trading day of June, Dec

QA Report : Warrant Focus

Stock	Warrant Price(Bt) Market	Black Scholes	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
SIMAT-W2	0.29	N/A	1.59	0.90	13.32	1 : 1.1261	N/A	851.30	39.44	37.81	6.17	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.32	0	1.59	5.91	26.64	1 : 1.1261	N/A	1796.81	39.44	37.81	5.60	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.59	0.66	1.59	2.04	1.00	1 : 1	-10.24	0.00	39.44	43.69	2.69	08-Jul-21	9 Jul 2021
SINGER-W1	1.66	1.29	6.45	1.83	7.00	1 : 1	28.41	34.26	45.81	65.75	3.89	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.27	0.86	6.45	3.83	14.00	1 : 1	47.59	136.74	45.81	65.75	5.08	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W1 <i>SP</i>	0.01	0	1.91	0.01	7.46	1 : 1.072	N/A	312.06	32.37	167.30	204.75	29-Jun-19	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.35	0.15	1.91	0.93	2.10	1 : 1	139.29	28.27	32.37	209.12	5.46	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.02	0	0.14	0.18	0.20	1 : 1	N/A	57.14	80.91	84.40	7.00	29-Aug-19	Last trading day of each month
SST-W2	1.39	0.01	4.64	2.27	10.00	1 : 1	N/A	145.47	21.38	30.39	3.34	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.40	0.23	4	0.66	4.00	1 : 1	76.14	10.00	23.56	135.45	10.00	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.05	0	0.72	1.19	2.50	1 : 1	N/A	254.17	33.66	5,469.68	14.40	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	0.91	0.4	4.3	0.76	4.44	1 : 1	130.36	24.42	31.24	31.00	4.73	26-Mar-20	15 of Jul
S-W1 <i>SP</i>	0.01	0	3.56	0.06	15.00	1 : 1	N/A	321.63	20.13	1,632.95	356.00	16-Jul-19	15th Jan 18, 16 Jul 18, 15 Jan 19, 15 Jul 19
SWC-W1	4.06	1.36	5.5	2.79	1.00	1 : 1	198.26	-8.00	48.99	149.99	1.35	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.10	0	0.61	1.60	1.88	1 : 1.07	N/A	240.31	32.79	400.00	6.53	28-Jan-21	Last trading day of Dec
TCC-W3	0.10	0.02	0.34	2.77	0.81	1 : 1.23886	328.6	206.60	44.06	92.20	4.21	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.09	0.03	0.34	3.89	0.90	1 : 1.10801	199.27	212.80	44.06	369.34	4.19	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.20	0.15	0.34	8.92	0.50	1 : 1	37.84	105.88	44.06	98.41	1.70	24-May-28	Last trading day of Jul
TCJ-W2	0.61	0	4.84	0.95	9.80	1 : 1.02	N/A	117.47	23.51	31.53	8.09	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.12	0.1	2.72	0.44	4.00	1 : 1	15.54	51.47	65.31	254.40	22.67	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.60	0	4.08	0.90	9.50	1 : 1	N/A	147.55	28.95	510.81	6.80	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.02	0.03	0.12	4.24	0.50	1 : 1	-25.24	333.33	79.35	1,944.51	6.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	1.94	0.82	3.50	4 : 1	N/A	81.44	35.57	2,191.76	97.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.15	0.02	0.76	0.98	1.00	1 : 1	777.44	51.32	27.52	321.67	5.07	16-Jun-20	Last Trading of June
TNITY-W1	0.45	0.11	4.6	1.74	5.00	1 : 1	299.89	18.48	17.83	97.28	10.22	19-Mar-21	Last trading day of Mar, June, Sept, 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											
TRITN-W3	0.19	0.11	0.35	1.93	0.25	1 : 1.00027	74.3	25.70	39.60	1,606.61	1.84	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.92	0.13	8.75	2.01	18.00	1 : 1	612.47	116.23	31.10	112.00	9.51	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.41	0.21	1.28	1.78	1.00	1 : 1.002	95.07	10.02	25.94	162.51	3.13	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.02	0.02	0.09	0.61	0.10	1 : 1	-7.12	33.33	114.83	2,289.87	4.50	31-Jan-20	30 Jan 20
UAC-W2	0.61	0	3.06	1.02	5.55	1 : 1	N/A	101.31	19.54	66.76	5.02	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.48	0.12	0.58	0.72	0.50	1 : 1	310.78	68.97	43.37	103.01	1.21	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.1	0.37	6.00	1 : 0.01	N/A	1.86	28.14	180,628.31	2.10	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.1	3.73	6.00	1 : 0.01	N/A	1.86	28.14	141,895.49	2.10	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	0.93	1.33	9.05	3.22	10.00	1 : 1	-30.14	20.77	27.54	1,711.33	9.73	10-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.72	0.66	1.69	0.98	1.00	1 : 1.00086	9.01	1.72	16.97	426.70	2.35	14-Jun-20	30th of Sep
VIBHA-W3	0.12	0.01	1.69	2.98	3.00	1 : 1.00086	N/A	84.51	16.97	1,011.78	14.10	14-Jun-22	30 Sep of each year
WAVE-W1	0.33	0	1.69	0.87	6.00	1 : 1	N/A	274.56	38.46	42.12	5.12	08-May-20	Last trading day of June, Dec
WHA-W1	11.40	12.75	4.66	0.70	3.42	1 : 10.2396	-10.6	2232.08	19.93	110.09	4.19	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.15	N/A	1.56	2.53	4.22	1 : 1.185	N/A	213.53	24.83	124.97	12.32	02-Jan-22	Last Business Day of December of each year.
WORK-W1	7.10	0.06	24.7	0.27	38.10	1 : 1	1129.67	83.00	42.53	3.42	3.48	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.11	N/A	0.92	4.82	2.70	1 : 2	N/A	410.87	19.61	413.03	16.73	17-Apr-24	Last trading day of Mar, June, Sept, Dec