

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	0.06	0.14	0.34	2.40		1 : 1	-57.65		64.50	605.92	5.67	08-Aug-22	Last Trading of June
AKR-W1	0.04	0	0.39	1.21	1.00	1 : 1	N/A	166.67	38.92	671.57	9.75	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.06	0.08	1.31	0.76	3.00	1 : 1	-21.09	133.59	83.43	230.98	21.83	18-Dec-20	15th of Mar, Sep
APEX-W1	0.02	0.01	0.11	1.29	0.40	1 : 1	50.99	281.82	101.44	499.97	5.50	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.05	0.25	0.56	1.22		1 : 1	-80.36		43.73	95.83	11.20	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.01	0.01	1.15	0.16	2.00	1 : 1	N/A	74.78	79.64	102.47	115.00	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	0.07	0.02	30.5	0.15	37.85	1 : 1.03	219.36	25.07	27.95	78.51	448.79	08-May-20	15th of Jun, Dec
B52-W2	0.01	0	0.18	0.22	7.36	1 : 0.204	N/A	814.30	72.16	1,756.00	3.67	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.05	0.03	2	2.71	3.97	1 : 1.00731	62.61	101.79	31.10	358.73	40.29	30-Nov-22	Last trading day of Nov
BM-W1	0.03	0	1.64	0.41	4.00	1 : 1	N/A	145.73	43.76	110.00	54.67	14-Aug-20	16 Aug 2020
BROOK-W5	0.10	0.05	0.38	2.18	0.25	1 : 1	85.42	-7.89	40.02	1,403.31	3.80	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W5	0.65	0.21	9.85	0.92	14.00	1 : 1	204.84	48.73	32.96	1,315.39	15.15	16-Feb-21	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.17	0.79	4.99	1 : 0.12024	N/A	341.62	80.06	3,437.23	2.04	28-Dec-20	30 of Nov
B-W4	0.02	0	0.17	1.29	0.92	1 : 1.3087	N/A	592.76	80.06	96.85	11.12	01-Jul-21	Last trading day of June, Dec
B-W5	0.03	0.02	0.17	1.00	0.35	1 : 1	86.58	123.53	80.06	290.56	5.67	15-Mar-21	Last trading day of Jan, Apr, Jul, Oct
CGD-W4	0.06	0	0.72	1.28	2.75	1 : 1	N/A	290.28	26.45	1,652.87	12.00	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.01	0	0.75	1.20	2.00	1 : 1	N/A	168.00	25.30	1,445.60	75.00	28-May-21	Last trading day of May, Nov
CHO-W2	0.03	0	0.43	0.79	0.86	1 : 1	N/A	106.98	22.75	636.40	14.33	30-Dec-20	Last trading day of June, Dec
CI-W1	0.01	N/A	0.68	0.20	2.16	1 : 1.0172	N/A	223.31	36.63	98.77	69.17	29-May-20	Last trading day of May, Nov
CKP-W1	0.02	0	2.96	0.20	6.00	1 : 1.0007	N/A	103.45	45.89	1,111.15	148.10	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	0.58	0	1.46	0.30	3.00	1 : 1	N/A	145.21	53.91	60.63	2.52	02-Jul-20	15th of Jan, Jul
DCC-W1	0.23	0.17	1.4	1.15	1.15	1 : 1	33.44	-1.43	21.49	1,907.75	6.09	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1	0.32	0.14	5.05	1.31	15.75	1 : 1	129.71	218.22	70.19	182.22	15.78	07-Jul-21	Last trading day of May, Nov
ECF-W3	0.15	0	1.05	0.93	5.00	1 : 1.0008	N/A	390.39	58.67	129.95	7.01	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.06	0	0.51	0.89	1.85	1 : 1	N/A	274.51	57.87	554.43	8.50	05-Feb-21	Last Business Day of evert six month from the is

Monday, March 16, 2020

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											
EFORL-W3	0.01	0	0.04	0.21	0.60	1 : 1	N/A	1425.00	178.40	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0	0.04	0.21	0.50	1 : 1	N/A	1175.00	178.40	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	N/A	0.04	0.33	1.00	1 : 2.32054	N/A	5627.31	256.85	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.02	0.04	0.04	1.25	1.00	1 : 2.32054	-51.09	5685.32	256.85	16.42	4.64	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.02	0.02	0.07	3.58	0.15	1 : 1	-12.18	142.86	92.67	4,216.75	3.50	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.12	0.01	2.82	0.75	4.83	1 : 1.0361	N/A	78.11	31.03	85.54	24.35	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FVC-W2	0.01	N/A	0.23	0.28	0.96	1 : 1.04545	N/A	335.00	41.21	138.79	24.05	26-Jun-20	Last Trading of June
GLOCON-W4	0.12	0.1	0.5	1.85	0.50	1 : 1	19.81	24.00	48.60	749.60	4.17	20-Jan-22	Last trading day of Mar, June, Sept, Dec
HPT-W1	0.11	0.04	0.38	1.22	0.50	1 : 1.00828	207.64	59.94	49.69	110.50	3.48	04-Jun-21	Last trading day of June, Dec
HYDRO-W1 <i>SP</i>	0.04	0.02	0.19	1.91	1.00	1 : 1	100.17	447.37	91.24	98.12	4.75	10-Feb-22	First business day of Mar, Jun, Sept and Dec
ITEL-W1	0.17	0.02	1.7	1.19	5.00	1 : 1	921.51	204.12	53.07	249.99	10.00	23-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	0.57	0.72	4.12	0.30	3.61	1 : 1.192	-20.63	1.59	64.86	1,257.15	8.62	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.02	0	0.68	0.33	3.50	1 : 1	N/A	417.65	76.06	241.12	34.00	14-Jul-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	0.10	N/A	3.64	0.15	13.33	1 : 1.125	N/A	302.67	54.00	108.00	40.95	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.48	2.47	16.5	1.45	18.62	1 : 1.02031	41.04	34.64	50.58	221.49	4.84	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.08	0.01	0.66	2.24	2.00	1 : 1	456.04	215.15	43.72	156.48	8.25	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	0.20	0.03	2.28	2.11	4.00	2 : 1	624.12	84.21	46.63	157.10	11.40	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.04	0.01	0.59	1.45	2.10	1 : 1	N/A	262.71	59.47	1,375.54	14.75	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W4	0.03	0.03	1.28	0.70	3.50	1 : 1	16.08	175.78	73.47	91.07	42.67	26-Nov-20	29 Aug 19, 28 Nov 19, 27 Feb 20, 26 May 20, 2
MILL-W4	0.03	0.03	0.65	2.32	2.00	1 : 1.099	-11.05	233.83	55.13	405.44	23.81	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.01	0	0.65	0.32	1.75	1 : 1.03	N/A	175.58	55.13	905.04	66.95	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	1.29	0.81	22.4	1.54	43.00	1 : 1	59.61	97.72	43.20	230.85	17.36	30-Sep-21	15th of Feb, May, Aug, Nov
NEWS-W6	0.01	0	0.01	1.24	0.02	1 : 1	N/A	160.00	142.00	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	0.23	0.15	1.4	1.75	6.48	1 : 1.00255	54.68	380.50	90.64	108.78	6.10	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.01	N/A	1	0.20	3.19	1 : 1.5695	N/A	344.62	58.01	127.75	156.95	29-May-20	Last trading day of Mar, June, Sept, 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
NVD-W1	0.06	0	1.26	1.33	7.86	1 : 1.018	N/A	538.09	52.38	276.12	21.38	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.26	0.09	0.92	1.92	1.00	1 : 1	195.12	36.96	28.20	603.22	3.54	13-Feb-22	13 Feb 2022
ORI-W1	0.07	0	3.5	0.54	13.33	1 : 1	N/A	282.95	48.52	609.86	50.00	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	SP 0.01	0.03	0.06	2.94	2.00	1 : 1	-71.41	3250.00	204.19	2,460.22	6.00	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PACE-W3	SP 0.01	0.04	0.06	2.45	0.25	1 : 1	-77.39	333.33	204.19	1,167.36	6.00	29-Aug-22	29 Nov 19
PDI-W1	0.16	0	4.02	1.16	33.00	1 : 1	N/A	724.88	33.15	75.33	25.13	14-May-21	15 May, 15 Nov
PDJ-W4	0.22	0.13	1.02	0.90	1.00	1 : 1	65.35	19.61	46.57	51.19	4.64	07-Feb-21	7 Feb 21
PERM-W1	0.08	0.01	0.58	2.25	1.80	1 : 1	608.19	224.14	44.88	250.00	7.25	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	0.24	0.07	1.23	2.20	5.91	1 : 1.09999	245.53	439.92	73.56	46.00	5.64	27-May-22	Last trading day of June, Dec
PPPM-W4	SP 0.12	0.13	0.38	4.38	1.00	1 : 1	-7.44	194.74	83.82	228.83	3.17	31-Jul-24	Last trading day of Oct
PRIME-W1	0.01	N/A	0.27	0.77	1.08	1 : 1.3946	N/A	421.07	53.91	347.00	37.65	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PRIME-W2	0.01	N/A	0.27	0.77	1.53	1 : 1.3095	N/A	614.64	53.91	261.75	35.36	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PROUD-W2	0.04	0.01	0.79	0.31	1.53	1 : 1.174	N/A	116.36	77.42	31.68	23.19	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.01	N/A	0.71	0.30	2.25	1 : 1.22449	N/A	266.63	51.78	157.08	86.94	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	0.14	0.07	10	0.19	12.44	1 : 1.0047	89.17	25.94	39.84	187.52	71.76	23-May-20	Last trading day of Apr, Oct
RWI-W2	0.05	0.06	0.87	1.81	1.50	1 : 1	-11.66	78.16	46.50	318.15	17.40	06-Jan-22	15th Jun, Sept, Dec 2020, Mar, Jun, Sept 2021
SAMART-W2	0.37	0.02	5.7	1.17	14.80	1 : 1.014	1892	168.47	41.42	335.43	15.62	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.06	0.02	0.84	0.62	1.00	1 : 1	242.44	26.19	29.72	93.41	14.00	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	8.50	10.71	56.75	0.24	48.48	1 : 1.237	-20.66	0.49	43.80	31.05	8.26	11-Jun-20	Last trading day of May,Nov
SDC-W1	0.05	0.01	0.1	3.21	0.50	1 : 1	338.53	450.00	70.46	1,731.04	2.00	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.05	N/A	2	0.18	13.32	1 : 1.1261	N/A	640.19	39.26	37.81	45.04	20-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.24	0	2	5.18	26.64	1 : 1.1261	N/A	1400.87	39.26	37.81	9.38	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.93	0.97	2	1.31	1.00	1 : 1	-4.24	-3.50	39.26	43.69	2.15	08-Jul-21	9 Jul 2021
SINGER-W1	1.15	0.23	4.1	1.10	7.00	1 : 1	409.34	98.78	53.38	65.75	3.57	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.10	0.24	4.1	3.10	14.00	1 : 1	352.4	268.29	53.38	65.75	3.73	21-Apr-23	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											
SMART-W2	0.13	0	0.79	1.55	1.50	1 : 1	N/A	106.33	31.43	92.00	6.08	01-Oct-21	Last Trading Day of May 20, Nov 20, May 21 an
SMT-W2	0.01	0	0.83	0.20	2.10	1 : 1	N/A	154.22	62.24	209.12	83.00	29-May-20	Last trading day of Mar, Sept , Dec
SST-W2	0.31	0	3	1.54	10.00	1 : 1	N/A	243.67	26.96	30.39	9.68	30-Sep-21	Last trading day of June, Dec
SUPER-W4	0.01	0	0.36	0.46	2.49	1 : 1	N/A	594.44	39.54	5,469.68	36.00	31-Aug-20	Last trading day of Feb, May, Aug ,Nov
SVI-W3	SP	N/A	2.06	0.03	2.94	1 : 1.5098	N/A	65.29	69.86	30.00	311.02	26-Mar-20	15 of Jul
SWC-W1	2.30	1.48	3.8	2.06	1.00	1 : 1	55.76	-13.16	34.43	143.32	1.65	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.02	N/A	0.31	0.87	1.79	1 : 1.12	N/A	541.94	45.59	400.00	17.36	28-Jan-21	Last trading day of Dec
TCC-W3	0.03	0.01	0.16	2.04	0.81	1 : 1.23886	N/A	524.19	67.21	92.20	6.61	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.03	0.01	0.16	3.16	0.90	1 : 1.10801	143.48	535.31	67.21	369.34	5.91	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.08	0.07	0.16	8.19	0.50	1 : 1	7.56	262.50	67.21	98.41	2.00	24-May-28	Last trading day of Jul
TCJ-W2	0.04	N/A	2.3	0.22	9.80	1 : 1.02	N/A	334.56	43.04	31.53	58.65	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TFG-W2	0.02	0	2.9	0.17	9.50	1 : 1	N/A	228.28	54.04	510.81	145.00	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.01	0.04	3.52	0.50	1 : 1	-29.84	1175.00	139.30	1,944.51	4.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.01	0	1.3	0.09	3.50	4 : 1	N/A	170.00	54.37	2,191.76	130.00	18-Apr-20	Last trading day of Apr, Oct
TH-W2	0.02	0	0.49	0.25	1.00	1 : 1	N/A	108.16	39.70	321.67	24.50	16-Jun-20	Last Trading of June
TNITY-W1	0.05	0.06	3.38	1.01	5.00	1 : 1	-12.88	49.41	41.62	97.28	67.60	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.04	0.02	0.16	1.20	0.25	1 : 1.00027	158.05	81.23	55.83	1,606.61	4.00	29-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.18	0	2.58	1.28	18.00	1 : 1	N/A	604.65	50.88	112.00	14.33	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.06	0.03	0.51	1.05	1.00	1 : 1.002	97.65	107.67	63.63	162.48	8.52	02-Apr-21	Last trading day of June, Dec
UAC-W2	0.05	0	2.34	0.29	5.55	1 : 1	N/A	139.32	39.81	66.76	46.80	30-Jun-20	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	0.93	3.00	6.00	1 : 0.01	N/A	5.46	50.24	141,895.49	0.93	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	0.63	0.68	6.25	2.49	10.00	1 : 1	-6.71	70.08	43.44	1,661.33	9.92	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.45	0.38	1.39	0.25	1.00	1 : 1.00086	19.22	4.25	23.98	361.66	3.09	14-Jun-20	30th of Sep
VIBHA-W3	0.09	0	1.39	2.25	3.00	1 : 1.00086	N/A	122.19	23.98	1,011.62	15.46	14-Jun-22	30 Sep of each year
WAVE-W1	0.01	N/A	1.06	0.15	6.00	1 : 1	N/A	466.98	48.75	42.12	106.00	08-May-20	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											
WIK-W2	0.10	0	1.13	1.80	4.22	1 : 1.185	N/A	334.63	47.44	124.97	13.39	02-Jan-22	Last Business Day of December of each year.
ZMICO-W4	0.05	N/A	0.52	4.09	2.70	1 : 2	N/A	857.69	49.82	413.03	20.80	17-Apr-24	Last trading day of Mar, June, Sept, Dec