

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	0.11	0.18	0.43	2.28		1 : 1	-38.6		74.61	605.92	3.91	08-Aug-22	Last Trading of June
AKR-W1	0.06	0.01	0.5	1.09	1.00	1 : 1	425.07	112.00	49.50	671.57	8.33	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.27	0.14	1.63	0.64	3.00	1 : 1	88.26	100.61	88.97	230.98	6.04	18-Dec-20	15th of Mar, Sep
APEX-W1	0.02	0.01	0.1	1.18	0.40	1 : 1	83.12	320.00	107.23	499.97	5.00	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.13	0.5	1.09	1.10		1 : 1	-73.76		60.06	95.83	8.38	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	SP	0	0.99	0.05	2.00	1 : 1	N/A	103.03	103.98	102.47	99.00	15-May-20	25 Jun and 25 Dec of each year
AYUD-W1	SP	N/A	34.75	0.03	37.85	1 : 1.03	N/A	9.23	37.27	78.51	3579.25	09-May-20	15th of Jun, Dec
B52-W2	0.01	0	0.17	0.11	7.36	1 : 0.204	N/A	863.40	74.81	1,756.00	3.47	06-Jun-20	Last trading day of June, Dec
BKD-W2	0.07	0.04	2.02	2.59	4.43	1 : 1.01689	69.46	124.59	36.51	358.73	29.34	30-Nov-22	Last trading day of Nov
BM-W1	0.04	0	1.47	0.30	4.00	1 : 1	N/A	174.83	56.92	110.00	36.75	14-Aug-20	16 Aug 2020
BROOK-W5	0.11	0.06	0.37	2.06	0.25	1 : 1	74.64	-2.70	45.57	1,079.19	3.36	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W5	0.90	0.9	10.9	0.81	14.00	1 : 1	-0.03	36.70	50.75	1,315.33	12.11	16-Feb-21	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.2	0.67	4.99	1 : 0.12024	N/A	288.58	95.23	3,437.23	2.40	28-Dec-20	30 of Nov
B-W4	0.02	0.01	0.2	1.18	0.92	1 : 1.3087	47.04	484.22	95.23	96.85	13.09	01-Jul-21	Last trading day of June, Dec
B-W5	0.04	0.03	0.2	0.88	0.35	1 : 1	30.94	95.00	95.23	290.56	5.00	15-Mar-21	Last trading day of Jan, Apr, Jul, Oct
CGD-W4	0.06	0	0.7	1.16	2.75	1 : 1	N/A	301.43	38.86	1,652.87	11.67	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.01	0	0.75	1.08	2.00	1 : 1	N/A	168.00	27.90	1,445.60	75.00	28-May-21	Last trading day of May, Nov
CHO-W2	0.09	0	0.54	0.68	0.86	1 : 1	N/A	75.93	37.22	636.40	6.00	30-Dec-20	Last trading day of June, Dec
CI-W1	0.01	N/A	0.64	0.09	2.16	1 : 1.0172	N/A	243.62	56.96	98.77	65.10	30-May-20	Last trading day of May, Nov
CKP-W1	0.01	0	3.62	0.09	6.00	1 : 1.0007	N/A	66.07	53.23	1,111.15	362.25	29-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	0.42	0.02	1.85	0.18	3.00	1 : 1	2649.02	84.86	69.86	60.63	4.40	02-Jul-20	15th of Jan, Jul
DCC-W1	0.30	0.28	1.53	1.03	1.15	1 : 1	5.82	-5.23	30.47	1,907.75	5.10	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1	0.44	0.33	6.1	1.19	15.75	1 : 1	33.63	165.41	79.05	182.22	13.86	07-Jul-21	Last trading day of May, Nov
D-W1	0.46	0.33	2.82	1.85	4.00	1 : 1	39.54	58.16	44.12	40.00	6.13	04-Mar-22	Last trading day of Feb, May, Aug ,Nov
ECF-W3	0.44	0	1.17	0.82	5.00	1 : 1.0008	N/A	364.89	65.56	129.95	2.66	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2

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											
ECL-W3	0.14	0.02	0.83	0.78	1.85	1 : 1	471.22	139.76	70.20	554.43	5.93	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0	0.03	0.10	0.60	1 : 1	N/A	1933.33	208.21	1,377.16	3.00	02-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0	0.03	0.10	0.50	1 : 1	N/A	1600.00	208.21	772.51	3.00	02-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	N/A	0.07	0.22	1.00	1 : 2.32054	N/A	3116.15	249.18	190.75	16.24	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.04	0.07	0.07	1.14	1.00	1 : 2.32054	-42.8	3215.61	249.18	16.42	4.06	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.03	0.05	0.11	3.47	0.15	1 : 1	-36.19	63.64	106.11	4,216.75	3.67	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.30	0.06	3.46	0.64	4.83	1 : 1.0361	363.32	49.89	37.45	85.54	11.95	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FVC-W2	0.01	0	0.37	0.17	0.96	1 : 1.04545	N/A	168.68	56.61	138.79	38.68	27-Jun-20	Last Trading of June
GLOCON-W4	0.15	0.1	0.47	1.73	0.50	1 : 1	48.39	38.30	59.50	749.60	3.13	20-Jan-22	Last trading day of Mar, June, Sept, Dec
HPT-W1	0.22	0.18	0.62	1.10	0.50	1 : 1.00828	20.59	15.59	67.21	110.50	2.84	04-Jun-21	Last trading day of June, Dec
HYDRO-W1 <i>SP</i>	0.04	0.02	0.19	1.79	1.00	1 : 1	95.69	447.37	95.11	98.12	4.75	10-Feb-22	First business day of Mar, Jun, Sept and Dec
ITEL-W1	0.27	0.11	2.12	1.07	5.00	1 : 1	155.9	148.58	68.34	249.99	7.85	23-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	0.89	0.55	3.9	0.19	3.39	1 : 1.267	60.7	12.41	79.41	1,169.41	5.55	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.02	0	0.62	0.21	3.50	1 : 1	N/A	467.74	83.66	241.12	31.00	14-Jul-20	Last trading day of Mar, June, Sept, Dec
JKN-W1 <i>SP</i>	0.01	N/A	4.12	0.03	13.33	1 : 1.125	N/A	251.85	55.69	108.00	463.50	09-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.14	4.2	17.6	1.33	18.62	1 : 1.02031	-25.19	24.13	72.57	221.49	5.72	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.29	0.08	0.59	2.12	2.00	1 : 1	269.37	288.14	80.71	156.48	2.03	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	0.53	0.23	3.34	1.99	4.00	2 : 1	129.93	35.63	55.42	157.10	6.30	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.06	0.06	0.82	1.33	2.10	1 : 1	-2.42	163.41	77.48	1,375.54	13.67	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W4	0.03	0	0.35	0.58	3.50	1 : 1	N/A	908.57	97.88	91.07	11.67	26-Nov-20	29 Aug 19, 28 Nov 19, 27 Feb 20, 26 May 20, 2
MILL-W4	0.04	0.02	0.54	2.21	1.93	1 : 1.14	118.11	301.89	55.68	405.44	15.39	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.01	N/A	0.54	0.20	1.68	1 : 1.069	N/A	228.45	55.68	905.04	57.73	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	2.28	2.17	21	1.43	43.00	1 : 1	5.23	115.62	66.69	230.85	9.21	30-Sep-21	15th of Feb, May, Aug, Nov
NEWS-W6	0.01	N/A	0.01	1.13	0.02	1 : 1	N/A	160.00		14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	0.47	0.21	1.45	1.63	6.48	1 : 1.00255	128.29	380.52	101.95	108.78	3.09	13-Dec-21	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											
NOK-W1	0.01	N/A	1.18	0.09	3.19	1 : 1.5695	N/A	268.11	79.06	127.75	185.20	30-May-20	Last trading day of Mar, June, Sept, Dec
NVD-W1	0.10	0	1.05	1.22	7.86	1 : 1.018	N/A	669.94	57.03	276.12	10.69	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.34	0.09	0.86	1.80	1.00	1 : 1	299.9	55.81	34.85	603.22	2.53	13-Feb-22	13 Feb 2022
ORI-W1	0.19	0	4.34	0.43	13.33	1 : 1	N/A	211.60	61.29	609.86	22.84	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2 <i>SP</i>	0.01	0.04	0.06	2.82	2.00	1 : 1	-71.64	3250.00	209.62	2,460.22	6.00	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PACE-W3 <i>SP</i>	0.01	0.04	0.06	2.34	0.25	1 : 1	-77.44	333.33	209.62	1,167.36	6.00	29-Aug-22	29 Nov 19
PDI-W1	0.35	0	4.4	1.05	33.00	1 : 1	N/A	657.95	36.82	75.33	12.57	14-May-21	15 May, 15 Nov
PDJ-W4	0.17	0.13	1.02	0.78	1.00	1 : 1	30.31	14.71	47.22	51.19	6.00	07-Feb-21	7 Feb 21
PERM-W1	0.16	0.05	0.73	2.14	1.80	1 : 1	210.19	168.49	56.19	250.00	4.56	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	0.57	0.21	1.71	2.08	5.91	1 : 1.09999	172.95	306.78	79.64	46.00	3.30	27-May-22	Last trading day of June, Dec
PPPM-W4	0.11	0.15	0.46	4.26	1.00	1 : 1	-26.14	141.30	76.80	228.83	4.18	31-Jul-24	Last trading day of Oct
PRIME-W1	0.01	N/A	0.26	0.65	1.08	1 : 1.3946	N/A	442.62	60.63	347.00	36.26	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PRIME-W2	0.02	N/A	0.26	0.65	1.53	1 : 1.3095	N/A	648.35	60.63	261.75	17.02	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PROUD-W2	0.04	0.01	0.88	0.19	1.53	1 : 1.174	200.01	92.45	92.36	31.68	25.83	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.01	N/A	0.6	0.18	2.25	1 : 1.22449	N/A	337.96	64.92	157.08	73.47	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	0.04	0.09	10.8	0.07	12.44	1 : 1.0047	-54.83	15.65	49.34	187.52	271.27	23-May-20	Last trading day of Apr, Oct
RWI-W2	0.07	0.14	1.02	1.70	1.50	1 : 1	-49.52	53.92	60.95	318.15	14.57	06-Jan-22	15th Jun, Sept, Dec 2020, Mar, Jun, Sept 2021
SAMART-W2	0.40	0.05	4.96	1.05	14.80	1 : 1.014	714.55	209.34	58.37	335.43	12.57	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.08	0.03	0.91	0.51	1.00	1 : 1	152.7	18.68	31.11	93.41	11.38	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	5.45	6.16	52	0.09	48.48	1 : 1.237	-11.55	4.58	74.00	31.05	11.80	30-May-20	Last trading day of May,Nov
SDC-W1	0.08	0.05	0.14	3.10	0.50	1 : 1	74.24	314.29	99.11	1,731.04	1.75	01-Jun-23	Last trading day of June, Dec
SIMAT-W2 <i>SP</i>	0.01	N/A	2.08	0.06	13.32	1 : 1.1261	N/A	609.07	47.08	37.81	234.23	20-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.25	0.02	2.08	5.06	26.64	1 : 1.1261	918.5	1343.20	47.08	37.81	9.37	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.87	1.05	2.08	1.20	1.00	1 : 1	-17.02	-10.10	47.08	43.69	2.39	08-Jul-21	9 Jul 2021
SINGER-W1	1.25	0.7	5.5	0.99	7.00	1 : 1	77.37	50.00	58.93	65.75	4.40	23-Apr-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											
SINGER-W2	1.15	0.69	5.5	2.98	14.00	1 : 1	67.54	175.45	58.93	65.75	4.78	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMART-W2	0.17	0.01	0.87	1.43	1.50	1 : 1	1257.63	91.95	34.18	92.00	5.12	01-Oct-21	Last Trading Day of May 20, Nov 20, May 21 an
SMT-W2	0.01	0	0.81	0.09	2.10	1 : 1	N/A	160.49	66.48	209.12	81.00	29-May-20	Last trading day of Mar, Sept , Dec
SST-W2	0.41	0	2.88	1.43	10.00	1 : 1	N/A	261.46	33.48	30.39	7.02	30-Sep-21	Last trading day of June, Dec
SUPER-W4	0.01	0	0.51	0.35	2.49	1 : 1	N/A	390.20	52.46	5,469.68	51.00	31-Aug-20	Last trading day of Feb, May, Aug ,Nov
SWC-W1	2.86	1.86	4.28	1.95	1.00	1 : 1	53.64	-9.81	36.61	137.67	1.50	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.03	0	0.34	0.76	1.79	1 : 1.12	N/A	487.53	56.69	400.00	12.69	28-Jan-21	Last trading day of Dec
TAPAC-W4	0.55	0.14	4.68	1.89	9.00	1 : 1	282.33	104.06	39.94	205.93	8.51	18-Mar-22	Last trading day of June, Dec
TCC-W3	0.03	0.01	0.19	1.93	0.81	1 : 1.23886	171.92	421.86	68.90	92.20	7.85	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.03	0.02	0.19	3.05	0.90	1 : 1.10801	58.63	433.29	68.90	369.34	7.02	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.10	0.1	0.19	8.08	0.50	1 : 1	3.85	215.79	68.90	98.41	1.90	24-May-28	Last trading day of Jul
TCJ-W2	0.01	0	2.06	0.11	9.80	1 : 1.02	N/A	383.94	63.54	31.53	210.12	06-Jun-20	Last trading day of Mar, June, Sept, Dec
TFG-W2	SP	0.01	3.66	0.06	9.22	1 : 1.031	N/A	156.82	62.23	510.81	377.35	19-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.02	0.05	3.40	0.50	1 : 1	-55.35	920.00	156.97	1,944.51	5.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
TH-W2	0.01	0	0.46	0.14	1.00	1 : 1	N/A	119.57	45.76	321.67	46.00	17-Jun-20	Last Trading of June
TNITY-W1	0.14	0.05	3.36	0.89	5.00	1 : 1	157.44	52.98	42.91	97.28	24.00	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.06	0.02	0.16	1.09	0.25	1 : 1.00027	169.74	93.73	71.76	1,606.61	2.67	29-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.38	0.01	3.16	1.17	18.00	1 : 1	N/A	481.65	63.71	112.00	8.32	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.15	0.08	0.68	0.93	1.00	1 : 1.002	78.28	68.96	70.59	162.48	4.54	02-Apr-21	Last trading day of June, Dec
UAC-W2	0.15	0	2.8	0.18	5.55	1 : 1	N/A	103.57	46.58	66.76	18.67	30-Jun-20	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	1.17	2.88	6.00	1 : 0.01	N/A	4.14	68.76	141,895.49	1.17	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	0.80	1.67	7.3	2.38	10.00	1 : 1	-52.07	47.95	61.29	1,661.33	9.13	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.69	0.65	1.67	0.13	1.00	1 : 1.00086	5.85	1.14	32.14	361.66	2.42	14-Jun-20	30th of Sep
VIBHA-W3	0.12	0.05	1.67	2.13	3.00	1 : 1.00086	152.97	86.72	32.14	1,011.62	13.93	14-Jun-22	30 Sep of each year
WAVE-W1	SP	0.01	N/A	0.97	6.00	1 : 1	N/A	519.59	57.55	42.12	97.00	09-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	0.11	0	1.08	1.68	4.19	1 : 1.194	N/A	356.10	49.59	124.97	11.72	02-Jan-22	Last Business Day of December of each year.
ZMICO-W4	0.06	N/A	0.5	3.98	2.70	1 : 2	N/A	904.00	52.44	413.03	16.67	17-Apr-24	Last trading day of Mar, June, Sept, Dec