

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	0.12	0.22	0.52	2.63		1 : 1	-44.62		76.15	605.92	4.33	08-Aug-22	Last Trading of June
AKR-W1	0.11	0	0.6	1.44	1.00	1 : 1	N/A	85.00	25.28	671.57	5.45	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.22	0.02	1.63	0.99	3.00	1 : 1	859.48	97.55	39.88	230.98	7.41	18-Dec-20	15th of Mar, Sep
APEX-W1	0.03	0.02	0.15	1.52	0.40	1 : 1	42.93	186.67	85.05	499.97	5.00	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.10	0.34	0.75	1.45		1 : 1	-70.67		50.53	95.83	7.50	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.14	0.05	1.28	0.39	2.00	1 : 1	197.66	67.19	70.11	102.47	9.14	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	1.41	2.01	39	0.38	39.00	1 : 1	-29.96	3.62	24.89	78.56	27.66	08-May-20	15th of Jun, Dec
B52-W2	0.01	0	0.19	0.45	7.36	1 : 0.204	N/A	770.37	62.50	1,756.00	3.88	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.12	0	2.68	2.94	3.97	1 : 1.00731	N/A	53.03	13.63	358.73	22.50	30-Nov-22	Last trading day of Nov
BM-W1	0.10	0	1.9	0.64	4.00	1 : 1	N/A	115.79	34.99	110.00	19.00	14-Aug-20	16 Aug 2020
BROOK-W5	0.16	0.11	0.44	2.41	0.25	1 : 1	47.89	-6.82	31.34	1,407.38	2.75	20-May-22	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.22	1.02	4.99	1 : 0.12024	N/A	261.25	86.50	3,437.23	2.65	28-Dec-20	30 of Nov
B-W4	0.04	0.02	0.22	1.52	0.92	1 : 1.3087	109.01	440.20	86.50	96.85	7.20	01-Jul-21	Last trading day of June, Dec
B-W5	0.04	0.04	0.22	1.23	0.35	1 : 1	-8.36	77.27	86.50	290.56	5.50	15-Mar-21	Last trading day of Jan, Apr, Jul, Oct
CGD-W4	0.10	0	0.88	1.51	2.75	1 : 1	N/A	223.86	21.34	1,652.87	8.80	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.02	0	0.83	1.43	2.00	1 : 1	N/A	143.37	23.19	1,445.62	41.50	28-May-21	Last trading day of May, Nov
CHO-W2	0.08	0.01	0.71	1.02	0.86	1 : 1	555.2	32.39	19.10	649.42	8.88	30-Dec-20	Last trading day of June, Dec
CI-W1	0.04	N/A	0.83	0.43	2.16	1 : 1.0172	N/A	168.24	26.82	98.77	21.11	29-May-20	Last trading day of May, Nov
CKP-W1	0.35	0.12	5	0.43	6.00	1 : 1.0007	200.31	27.02	32.69	1,111.15	14.30	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	0.72	0.02	1.77	0.53	3.00	1 : 1	3901.29	110.17	45.72	60.63	2.46	02-Jul-20	15th of Jan, Jul
DCC-W1	0.61	0.48	1.85	1.38	1.15	1 : 1	26.53	-4.86	17.37	1,907.75	3.03	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1	0.56	0.36	7.2	1.54	15.75	1 : 1	55.22	126.53	61.65	182.22	12.86	07-Jul-21	Last trading day of May, Nov
ECF-W3	0.50	0.01	1.41	1.16	5.00	1 : 1.0008	N/A	290.00	55.88	129.95	2.82	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.28	0.02	1.16	1.12	1.85	1 : 1	1369.78	83.62	33.75	554.43	4.14	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0	0.04	0.44	0.60	1 : 1	N/A	1425.00	202.61	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year

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-W4	0.01	0	0.04	0.44	0.50	1 : 1	N/A	1175.00	202.61	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	0	0.04	0.56	1.00	1 : 2.32054	N/A	5627.31	250.59	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.02	0.05	0.04	1.48	1.00	1 : 2.32054	-58.17	5685.32	250.59	16.42	4.64	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.06	0.04	0.13	3.81	0.15	1 : 1	39.53	61.54	69.61	4,216.75	2.17	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.59	0.14	3.6	0.98	4.83	1 : 1.0361	327.72	52.26	35.33	85.54	6.32	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FVC-W2	0.08	0	0.39	0.51	0.96	1 : 1.04545	N/A	173.44	51.53	138.79	5.10	26-Jun-20	Last Trading of June
GJS-W3	0.01	0	0.12	0.13	0.17	1 : 0.5	N/A	23.67	88.93	3,674.43	6.00	07-Feb-20	Last trading day of June, Dec
GLOCON-W4	0.25	0.22	0.74	2.08	0.50	1 : 1	14.33	1.35	37.90	749.60	2.96	20-Jan-22	Last trading day of Mar, June, Sept, Dec
HPT-W1	0.24	0.17	0.64	1.45	0.50	1 : 1	42.97	15.63	37.82	110.50	2.67	04-Jun-21	Last trading day of June, Dec
ITEL-W1	0.31	0.02	2.58	1.41	5.00	1 : 1	1374.66	105.81	32.61	249.99	8.32	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	1.76	1.57	5.05	0.53	3.61	1 : 1.192	12.42	7.44	68.58	1,294.92	3.42	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.10	0	0.9	0.52	3.50	1 : 1	N/A	300.00	69.25	241.12	9.00	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	0.78	0	4.96	0.38	15.00	1 : 1	N/A	218.15	47.44	108.00	6.36	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	4.18	3.65	20.8	1.68	18.62	1 : 1.02031	14.41	9.82	36.43	222.00	5.08	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.32	0.01	0.85	2.47	2.00	1 : 1	N/A	172.94	26.91	156.48	2.66	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	0.96	0.16	4.5	2.34	4.00	2 : 1	514.98	10.22	30.15	157.10	4.69	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.18	0.04	1.44	1.68	2.10	1 : 1	334.48	58.33	29.90	1,375.54	8.00	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W4	0.10	0.02	1.31	0.93	3.50	1 : 1	418.37	174.81	58.80	91.07	13.10	26-Nov-20	29 Aug 19, 28 Nov 19, 27 Feb 20, 26 May 20, 2
MILL-W4	0.04	0.02	0.75	2.55	2.00	1 : 1.099	156.36	189.47	40.37	405.44	20.61	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.01	0	0.75	0.55	1.75	1 : 1.03	N/A	138.43	40.37	905.04	77.25	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	3.20	2.7	36	1.77	43.00	1 : 1	18.31	28.33	25.57	230.85	11.25	30-Sep-21	15th of Feb, May, Aug, Nov
NEWS-W6	0.01	0.01	0.01	1.47	0.02	1 : 1	N/A	160.00	346.40	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	0.80	0.12	2	1.98	6.48	1 : 1.00255	581.87	264.85	63.11	108.78	2.51	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.06	N/A	2	0.43	3.19	1 : 1.5695	N/A	97.76	25.33	127.75	52.32	29-May-20	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.01	0	0.38	0.16	1.00	1 : 1	N/A	165.79	42.73	693.94	38.00	19-Feb-20	Last trading day of May, Nov

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	0.11	0	1.9	1.56	7.86	1 : 1.018	N/A	325.22	29.12	276.12	17.58	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.47	0.21	1.18	2.15	1.00	1 : 1	121.16	24.58	28.07	603.22	2.51	13-Feb-22	13 Feb 2022
ORI-W1	0.52	0.02	6.8	0.77	13.33	1 : 1	2231.71	103.73	40.78	609.86	13.08	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.01	0.04	0.08	3.17	2.00	1 : 1	-71.96	2412.50	164.22	2,460.22	8.00	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PACE-W3	0.08	0.05	0.08	2.68	0.25	1 : 1	52.09	312.50	164.22	1,167.36	1.00	29-Aug-22	29 Nov 19
PDI-W1	0.45	0	6.6	1.39	33.00	1 : 1	N/A	406.82	22.80	75.33	14.67	14-May-21	15 May, 15 Nov
PDJ-W3	0.46	0.56	1.59	0.13	1.00	1 : 1	-18.24	-8.18	24.72	25.59	3.46	07-Feb-20	7 Feb 20
PDJ-W4	0.50	0.56	1.59	1.13	1.00	1 : 1	-11.39	-5.66	24.72	51.19	3.18	07-Feb-21	7 Feb 21
PERM-W1	0.15	0.04	0.77	2.48	1.80	1 : 1	287.97	153.25	44.48	250.00	5.13	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	0.82	0.17	2.12	2.43	5.91	1 : 1.09999	389.33	239.15	58.00	46.00	2.84	27-May-22	Last trading day of June, Dec
PPPM-W4	0.17	0.35	0.56	4.61	1.00	1 : 1	-51.89	108.93	141.55	228.83	3.29	31-Jul-24	Last trading day of Oct
PRIME-W1	0.03	N/A	0.4	1.00	1.08	1 : 1.3946	N/A	245.87	63.84	347.00	18.59	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PRIME-W2	0.02	N/A	0.4	1.00	1.53	1 : 1.3095	N/A	375.60	63.84	261.75	26.19	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PROUD-W2	0.24	0.16	1.49	0.54	1.53	1 : 1.174	49.57	22.30	40.32	31.68	7.29	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.03	N/A	0.9	0.53	2.25	1 : 1.22449	N/A	187.21	24.70	157.08	36.73	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	1.42	0.78	12.1	0.42	12.44	1 : 1.0047	81.13	14.63	35.82	187.52	8.56	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.50	0.03	6.8	1.40	14.80	1 : 1.014	1433.97	126.75	33.71	335.43	13.79	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.10	0.02	0.84	0.85	1.00	1 : 1	537.34	30.95	22.01	93.41	8.40	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	19.90	22.72	66.5	0.47	48.48	1 : 1.237	-12.4	3.49	31.76	31.05	4.13	11-Jun-20	Last trading day of May,Nov
SDC-W1	0.10	0.03	0.2	3.44	0.50	1 : 1	297.8	200.00	50.81	1,731.04	2.00	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.16	N/A	1.74	0.41	13.32	1 : 1.1261	N/A	759.79	25.52	37.81	12.25	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.24	N/A	1.74	5.41	26.64	1 : 1.1261	N/A	1627.03	25.52	37.81	8.16	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.71	0.73	1.74	1.54	1.00	1 : 1	-2.65	-1.72	25.52	43.69	2.45	08-Jul-21	9 Jul 2021
SINGER-W1	1.45	0.65	5.4	1.33	7.00	1 : 1	124.75	56.48	47.39	65.75	3.72	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.38	0.49	5.4	3.33	14.00	1 : 1	183.42	184.81	47.39	65.75	3.91	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	0.19	0.02	0.94	1.78	1.50	1 : 1	1107.84	79.79	24.53	92.00	4.95	01-Oct-21	Last Trading Day of May 20, Nov 20, May 21 an
SMT-W2	0.14	0.02	1.27	0.43	2.10	1 : 1	750.29	76.38	53.80	209.12	9.07	29-May-20	Last trading day of Mar, Sept , Dec
SST-W2	0.93	0	3.72	1.77	10.00	1 : 1	N/A	193.82	23.83	30.39	4.00	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.14	0.61	4.48	0.16	4.00	1 : 1	-77.11	-7.59	95.61	135.45	32.00	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.01	0	0.53	0.69	2.49	1 : 1	N/A	371.70	38.12	5,469.68	53.00	31-Aug-20	Last trading day of Feb, May, Aug ,Nov
SVI-W3	0.95	1.16	3.66	0.26	2.94	1 : 1.5098	-18.41	9.52	69.67	30.00	5.82	26-Mar-20	15 of Jul
SWC-W1	2.62	0.52	3.62	2.29	1.00	1 : 1	401.25	0.00	31.37	143.32	1.38	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.05	0	0.45	1.10	1.88	1 : 1.07	N/A	351.91	35.12	400.00	9.63	28-Jan-21	Last trading day of Dec
TCC-W3	0.05	0.02	0.23	2.27	0.81	1 : 1.23886	166.88	337.72	62.96	92.20	5.70	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.05	0.03	0.23	3.39	0.90	1 : 1.10801	89.44	348.30	62.96	369.34	5.10	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.14	0.11	0.23	8.42	0.50	1 : 1	21.98	178.26	62.96	98.41	1.64	24-May-28	Last trading day of Jul
TCJ-W2	0.21	0	3.74	0.45	9.80	1 : 1.02	N/A	171.11	28.21	31.53	18.17	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TFG-W2	0.60	0	4.3	0.40	9.50	1 : 1	N/A	134.88	50.73	510.81	7.17	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.02	0.06	3.75	0.50	1 : 1	-44.17	750.00	115.09	1,944.51	6.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.01	0	2.1	0.32	3.50	4 : 1	N/A	67.14	41.35	2,191.76	210.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.07	0	0.62	0.48	1.00	1 : 1	N/A	72.58	41.31	321.67	8.86	16-Jun-20	Last Trading of June
TNITY-W1	0.26	0.02	3.98	1.24	5.00	1 : 1	1333.9	32.16	17.81	97.28	15.31	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.09	0.06	0.29	1.43	0.25	1 : 1.00027	48.42	17.22	35.67	1,606.61	3.22	29-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.45	0.02	5.35	1.52	18.00	1 : 1	2861.8	244.86	41.12	112.00	11.89	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.20	0.06	0.99	1.28	1.00	1 : 1.002	212.4	21.05	25.72	162.48	4.96	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.01	0	0.07	0.11	0.10	1 : 1	N/A	57.14	89.84	2,289.87	7.00	31-Jan-20	30 Jan 20
UAC-W2	0.23	N/A	2.82	0.52	5.55	1 : 1	N/A	104.96	17.04	66.76	12.26	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.20	0.01	0.41	0.22	0.50	1 : 1	N/A	70.73	43.05	103.01	2.05	14-Mar-20	Last trading day of May,Nov
U-W4	0.01	0	1.72	3.23	6.00	1 : 0.01	N/A	2.49	39.95	141,895.49	1.72	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	1.58	1.28	9.15	2.72	10.00	1 : 1	23.5	26.56	28.30	1,661.33	5.79	11-Sep-22	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											
VIBHA-W2	0.79	0.73	1.75	0.48	1.00	1 : 1.00086	8.64	2.23	20.97	361.66	2.22	14-Jun-20	30th of Sep
VIBHA-W3	0.18	0.02	1.75	2.48	3.00	1 : 1.00086	1040.43	81.61	20.97	1,011.62	9.73	14-Jun-22	30 Sep of each year
WAVE-W1	0.16	0	1.5	0.38	6.00	1 : 1	N/A	310.67	45.71	42.12	9.38	08-May-20	Last trading day of June, Dec
WHA-W1	6.35	5.56	3.96	0.20	3.42	1 : 10.2396	14.19	1501.83	20.44	79.06	6.39	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.13	0.01	1.28	2.03	4.22	1 : 1.185	N/A	284.31	44.12	124.97	11.67	02-Jan-22	Last Business Day of December of each year.
ZMICO-W4	0.09	N/A	0.65	4.32	2.70	1 : 2	N/A	658.46	31.50	413.03	14.44	17-Apr-24	Last trading day of Mar, June, Sept, Dec