

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	0.17	0.41	2.24		1 : 1	-29.76		74.01	605.92	3.42	08-Aug-22	Last Trading of June
AKR-W1	0.07	0.02	0.54	1.05	1.00	1 : 1	247.46	98.15	54.76	671.57	7.71	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.41	0.4	2.4	0.61	3.00	1 : 1	3.02	42.08	90.52	230.98	5.85	18-Dec-20	15th of Mar, Sep
APEX-W1	0.02	0.01	0.09	1.14	0.40	1 : 1	N/A	366.67	103.89	499.97	4.50	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.18	0.58	1.28	1.07		1 : 1	-69.06		58.14	95.83	7.11	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1 <i>SP</i>	0.01	0	1.28	0.01	2.00	1 : 1	N/A	57.03	107.50	102.47	128.00	15-May-20	25 Jun and 25 Dec of each year
B52-W2	0.01	0	0.16	0.07	7.36	1 : 0.204	N/A	918.64	73.63	1,756.00	3.26	06-Jun-20	Last trading day of June, Dec
BKD-W2	0.09	0.04	2.04	2.56	4.43	1 : 1.01689	123.32	123.37	36.67	358.73	23.05	30-Nov-22	Last trading day of Nov
BM-W1	0.05	0	1.49	0.26	4.00	1 : 1	N/A	171.81	57.74	110.00	29.80	14-Aug-20	16 Aug 2020
BROOK-W5	0.10	0.06	0.37	2.02	0.25	1 : 1	58.44	-5.41	45.55	1,079.19	3.70	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W5	1.10	1.15	11.7	0.77	14.00	1 : 1	-4.72	29.06	51.77	1,315.33	10.64	16-Feb-21	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.2	0.63	4.99	1 : 0.12024	N/A	288.58	92.91	3,437.23	2.40	28-Dec-20	30 of Nov
B-W4	0.03	0.01	0.2	1.14	0.92	1 : 1.3087	187.27	490.76	92.91	96.85	8.72	01-Jul-21	Last trading day of June, Dec
B-W5	0.03	0.03	0.2	0.84	0.35	1 : 1	7.44	90.00	92.91	290.56	6.67	15-Mar-21	Last trading day of Jan, Apr, Jul, Oct
CGD-W4	0.06	0	0.65	1.13	2.75	1 : 1	N/A	332.31	40.41	1,652.87	10.83	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.02	0	0.75	1.05	2.00	1 : 1	N/A	169.33	25.91	1,445.60	37.50	28-May-21	Last trading day of May, Nov
CHO-W2	0.06	0	0.46	0.64	0.86	1 : 1	N/A	100.00	39.39	636.40	7.67	30-Dec-20	Last trading day of June, Dec
CI-W1 <i>SP</i>	0.01	N/A	0.63	0.05	2.16	1 : 1.0172	N/A	249.10	58.22	98.77	64.08	30-May-20	Last trading day of May, Nov
CKP-W1 <i>SP</i>	0.01	0	3.92	0.05	6.00	1 : 1.0007	N/A	53.35	54.20	1,111.15	392.27	29-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	0.39	0.01	1.76	0.14	3.00	1 : 1	N/A	92.61	70.02	60.63	4.51	02-Jul-20	15th of Jan, Jul
DCC-W1	0.50	0.42	1.72	0.99	1.15	1 : 1	18.84	-4.07	32.92	1,907.75	3.44	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DIMET-W3	0.37	0.14	0.37	1.78	0.65	1 : 1	165.45	175.68	102.23	0.47	1.00	18-Feb-22	20 May, Aug, Nov, Feb
DOD-W1	0.41	0.25	5.5	1.16	15.75	1 : 1	64.24	193.82	81.02	182.22	13.41	07-Jul-21	Last trading day of May, Nov
D-W1	1.13	0.79	3.54	1.81	4.00	1 : 1	42.73	44.92	54.03	40.00	3.13	04-Mar-22	Last trading day of Feb, May, Aug ,Nov
ECF-W3	0.34	0	1.02	0.78	5.00	1 : 1.0008	N/A	423.46	67.99	129.95	3.00	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	0.13	0.02	0.8	0.74	1.85	1 : 1	554.02	147.50	70.98	554.43	6.15	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3 <i>SP</i>	0.01	0	0.03	0.06	0.60	1 : 1	N/A	1933.33	211.71	1,377.16	3.00	02-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4 <i>SP</i>	0.01	0	0.03	0.06	0.50	1 : 1	N/A	1600.00	211.71	772.51	3.00	02-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	N/A	0.1	0.18	1.00	1 : 2.32054	N/A	2111.69	252.24	190.75	23.21	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.04	0.11	0.1	1.10	1.00	1 : 2.32054	-64.1	2181.31	252.24	16.42	5.80	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.03	0.05	0.11	3.43	0.15	1 : 1	-36.7	63.64	107.67	4,216.75	3.67	15-Oct-23	15th of Apr,Oct
EP-W3	0.36	0.05	3.3	0.60	4.78	1 : 1.0457	559.79	58.35	39.11	85.54	9.59	17-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FVC-W2	0.01	0	0.35	0.13	0.96	1 : 1.04545	N/A	184.30	57.63	138.79	36.59	27-Jun-20	Last Trading of June
GLOCON-W4	0.18	0.14	0.53	1.70	0.50	1 : 1	29.34	28.30	65.31	749.60	2.94	20-Jan-22	Last trading day of Mar, June, Sept, Dec
HPT-W1	0.26	0.22	0.68	1.07	0.50	1 : 1.00828	16.57	11.25	70.02	110.50	2.64	04-Jun-21	Last trading day of June, Dec
HYDRO-W1 <i>SP</i>	0.04	0.02	0.19	1.75	1.00	1 : 1	72.06	447.37	99.34	98.12	4.75	10-Feb-22	First business day of Mar, Jun, Sept and Dec
ITEL-W1	0.29	0.09	2.08	1.03	5.00	1 : 1	208.59	154.33	68.83	249.99	7.17	23-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	0.87	0.45	3.94	0.15	3.39	1 : 1.267	95.37	10.35	59.37	1,169.41	5.74	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.02	0	0.7	0.18	3.50	1 : 1	N/A	402.86	68.59	241.12	35.00	14-Jul-20	Last trading day of Mar, June, Sept, Dec
JMT-W2	3.46	4.68	18.5	1.30	18.62	1 : 1.02031	-26.05	19.75	73.79	221.49	5.46	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.33	0.09	0.61	2.08	2.00	1 : 1	259.07	281.97	83.55	156.48	1.85	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	0.56	0.22	3.24	1.96	4.00	2 : 1	152.44	40.74	56.98	157.10	5.79	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.06	0.05	0.78	1.30	2.10	1 : 1	20.76	176.92	75.72	1,375.54	13.00	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W4	0.03	0	0.34	0.55	3.50	1 : 1	N/A	938.24	85.24	91.07	11.33	26-Nov-20	29 Aug 19, 28 Nov 19, 27 Feb 20, 26 May 20, 2
MILL-W4	0.03	0.02	0.53	2.17	1.93	1 : 1.14	65.44	307.58	56.83	405.44	20.14	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.01	N/A	0.53	0.16	1.68	1 : 1.069	N/A	234.78	56.83	905.04	56.66	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	2.00	1.61	19	1.39	43.00	1 : 1	24.1	136.84	68.26	230.85	9.50	30-Sep-21	15th of Feb, May, Aug, Nov
NEWS-W6	0.01	N/A	0.01	1.09	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	0.75	0.2	1.54	1.59	6.48	1 : 1.00255	279.77	370.65	97.76	108.78	2.06	13-Dec-21	Last trading day of June, Dec
NOK-W1 <i>SP</i>	0.01	N/A	1.13	0.05	3.19	1 : 1.5695	N/A	286.92	79.75	127.75	177.35	30-May-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											
NVD-W1	0.16	0	1.06	1.18	7.86	1 : 1.018	N/A	668.42	57.78	276.12	6.74	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.34	0.08	0.84	1.76	1.00	1 : 1	335.13	59.52	35.26	603.22	2.47	13-Feb-22	13 Feb 2022
ORI-W1	0.24	0	4.2	0.39	13.33	1 : 1	N/A	223.17	62.09	609.86	17.50	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2 <i>SP</i>	0.01	0.03	0.06	2.79	2.00	1 : 1	-64.05	3250.00	184.84	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	2.30	0.25	1 : 1	-74.51	333.33	184.84	1,167.36	6.00	29-Aug-22	29 Nov 19
PDI-W1	0.42	0	4.32	1.01	33.00	1 : 1	N/A	673.61	37.69	75.33	10.29	14-May-21	15 May, 15 Nov
PDJ-W4	0.32	0.13	1.03	0.75	1.00	1 : 1	139.75	28.16	47.82	51.19	3.22	07-Feb-21	7 Feb 21
PERM-W1	0.13	0.04	0.6	2.10	1.80	1 : 1	268.76	221.67	60.21	250.00	4.62	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	0.53	0.17	1.6	2.04	5.91	1 : 1.09999	207.14	332.69	79.46	46.00	3.32	27-May-22	Last trading day of June, Dec
PPPM-W4	0.13	0.13	0.44	4.22	1.00	1 : 1	-2.19	156.82	75.13	228.83	3.38	31-Jul-24	Last trading day of Oct
PRIME-W1	0.02	N/A	0.29	0.62	1.08	1 : 1.3946	N/A	387.22	63.39	347.00	20.22	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PRIME-W2	0.01	N/A	0.29	0.62	1.53	1 : 1.3095	N/A	563.22	63.39	261.75	37.98	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PROUD-W2	0.26	0.02	1.04	0.15	1.53	1 : 1.174	940.09	85.00	95.18	31.68	4.70	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.01	N/A	0.59	0.15	2.25	1 : 1.22449	N/A	345.76	66.24	157.08	72.24	03-Jul-20	Last Trading day of Jan, Jul
RS-W3 <i>SP</i>	0.01	0	10.2	0.03	12.44	1 : 1.0047	N/A	22.18	51.99	187.52	1024.79	23-May-20	Last trading day of Apr, Oct
RWI-W2	0.07	0.12	0.96	1.66	1.50	1 : 1	-41.33	63.54	62.27	318.15	13.71	06-Jan-22	15th Jun, Sept, Dec 2020, Mar, Jun, Sept 2021
SAMART-W2	0.38	0.04	4.8	1.02	14.80	1 : 1.014	810.57	219.28	59.69	335.43	12.81	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.14	0.03	0.91	0.47	1.00	1 : 1	338.32	25.27	31.52	93.41	6.50	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1 <i>SP</i>	5.60	3.84	50.75	0.05	48.48	1 : 1.237	45.86	8.11	74.94	31.05	11.21	30-May-20	Last trading day of May,Nov
SDC-W1	0.09	0.04	0.13	3.06	0.50	1 : 1	115	353.85	100.33	1,731.04	1.44	01-Jun-23	Last trading day of June, Dec
SIMAT-W2 <i>SP</i>	0.01	N/A	1.93	0.02	13.32	1 : 1.1261	N/A	665.16	49.88	37.81	217.34	20-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.37	0.03	1.93	5.02	26.64	1 : 1.1261	1148.58	1463.35	49.88	37.81	5.87	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.93	0.92	1.93	1.16	1.00	1 : 1	0.9	0.00	49.88	43.69	2.08	08-Jul-21	9 Jul 2021
SINGER-W1	1.26	0.69	5.5	0.95	7.00	1 : 1	83.64	50.18	59.07	65.75	4.37	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.11	0.69	5.5	2.95	14.00	1 : 1	61.59	174.73	59.07	65.75	4.95	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	0.24	0.03	1.02	1.39	1.50	1 : 1	589.55	70.59	35.87	92.00	4.25	01-Oct-21	Last Trading Day of May 20, Nov 20, May 21 an
SMT-W2	SP	0	0.89	0.05	2.10	1 : 1	N/A	137.08	68.50	209.12	89.00	30-May-20	Last trading day of Mar, Sept , Dec
SST-W2		0	2.62	1.39	9.09	1 : 1.1	N/A	301.07	38.29	30.39	4.12	30-Sep-21	Last trading day of June, Dec
SUPER-W4		0	0.61	0.31	2.49	1 : 1	N/A	309.84	56.11	5,469.68	61.00	31-Aug-20	Last trading day of Feb, May, Aug ,Nov
SWC-W1		1.81	4.2	1.91	1.00	1 : 1	66.39	-4.29	39.03	137.67	1.39	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W		N/A	0.35	0.72	1.79	1 : 1.12	N/A	473.60	57.01	400.00	9.80	28-Jan-21	Last trading day of Dec
TAPAC-W4		0.08	4.48	1.85	9.00	1 : 1	518.42	112.50	36.58	205.93	8.62	18-Mar-22	Last trading day of June, Dec
TCC-W3		0.01	0.19	1.89	0.81	1 : 1.23886	287.67	428.38	69.14	92.20	5.88	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4		0.02	0.19	3.01	0.90	1 : 1.10801	111.9	439.12	69.14	369.34	5.26	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5		0.1	0.19	8.04	0.50	1 : 1	45.46	236.84	69.14	98.41	1.36	24-May-28	Last trading day of Jul
TCJ-W2		0	2.12	0.07	9.80	1 : 1.02	N/A	370.18	65.43	31.53	216.24	06-Jun-20	Last trading day of Mar, June, Sept, Dec
TFG-W2	SP	N/A	3.74	0.02	9.22	1 : 1.031	N/A	151.26	62.52	510.81	385.59	19-May-20	Last trading day of June, Dec
TGPRO-W3		0.03	0.06	3.36	0.50	1 : 1	-64.37	750.00	159.47	1,944.51	6.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
TH-W2		0	0.43	0.10	1.00	1 : 1	N/A	134.88	47.11	321.67	43.00	17-Jun-20	Last Trading of June
TNITY-W1		0.08	3.5	0.85	5.00	1 : 1	313.29	52.00	44.45	97.28	10.94	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3		0.03	0.17	1.05	0.25	1 : 1.00027	130.59	82.33	73.83	1,606.61	2.83	29-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1		0	3.04	1.13	18.00	1 : 1	N/A	503.29	64.57	112.00	8.94	28-Jun-21	Last trading day of June, Dec
TVD-W2		0.11	0.74	0.89	1.00	1 : 1.002	121.71	67.43	74.93	162.48	3.09	02-Apr-21	Last trading day of June, Dec
UAC-W2		0	2.88	0.14	5.55	1 : 1	N/A	100.35	47.44	66.76	13.09	30-Jun-20	Last trading day of Mar, June, Sept, Dec
U-W4		0	1.33	2.84	6.00	1 : 0.01	N/A	3.52	71.01	141,895.49	1.33	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2		2.3	8.4	2.34	10.00	1 : 1	-58.31	30.48	63.79	1,661.33	8.75	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2		0.57	1.59	0.09	1.00	1 : 1.00086	-2.52	-1.95	32.85	361.66	2.84	13-Jun-20	30th of Sep
VIBHA-W3		0.04	1.59	2.09	3.00	1 : 1.00086	202.31	96.12	32.85	1,011.62	13.26	14-Jun-22	30 Sep of each year
WIIK-W2		0	1.04	1.65	4.19	1 : 1.194	N/A	375.54	45.12	124.97	10.35	02-Jan-22	Last Business Day of December of each year.
ZMICO-W4		N/A	0.55	3.94	2.70	1 : 2	N/A	810.91	55.94	413.03	13.75	17-Apr-24	Last trading day of Mar, June, Sept, Dec