

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	1.25	0.16	3.49	1 : 1.00237	N/A	180.57	63.78	781.89	125.30	02-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1	0.05	0	0.2	0.46	1.53	1 : 1.30972	N/A	901.74	120.10	749.96	5.24	20-Nov-19	Last trading day of Mar, Sept
ALT-W1	0.59	0.24	2.8	1.54	3.00	1 : 1	145.43	28.21	23.96	230.98	4.75	18-Dec-20	15th of Mar, Sep
APEX-W1	0.03	0.01	0.18	2.07	0.40	1 : 1	N/A	138.89	43.07	499.97	6.00	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.14	0.65	1.44	2.00		1 : 1	-78.61		21.74	95.83	10.29	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.06	0.02	0.8	0.95	2.00	1 : 1	158.58	157.50	65.84	102.47	13.33	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	3.42	3.89	40.75	0.93	39.00	1 : 1	-12.11	4.10	22.60	78.58	11.92	08-May-20	15th of Jun, Dec
B52-W1	0.01	0	0.29	0.27	2.41	1 : 0.622	N/A	456.85	87.28	658.50	18.04	10-Sep-19	Last trading day of June, Dec
B52-W2	0.01	0	0.29	1.01	7.50	1 : 0.2	N/A	497.93	87.28	1,756.00	5.80	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.13	0.05	2.9	3.49	3.97	1 : 1.00731	157.59	41.72	18.36	358.73	22.47	30-Nov-22	Last trading day of Nov
BM-W1	0.17	0.01	2.08	1.20	4.00	1 : 1	1593.93	100.48	32.21	110.00	12.24	14-Aug-20	16 Aug 2020
BROOK-W5	0.26	0.12	0.45	2.96	0.25	1 : 1	122.37	13.33	38.37	1,409.40	1.73	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	0.85	1.04	11.4	0.49	10.50	1 : 1	-18.6	-0.44	21.35	1,266.91	13.41	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.44	1.57	6.53	1 : 0.09188	N/A	127.38	63.63	3,437.23	4.04	28-Dec-20	30 of Nov
B-W4	0.10	0.04	0.44	2.08	1.20	1 : 1	130.14	195.45	63.63	96.85	4.40	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.15	0	1.02	2.06	2.75	1 : 1	N/A	184.31	27.07	1,652.87	6.80	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.03	0.01	0.85	1.98	2.00	1 : 1	129.14	138.82	36.93	1,445.62	28.33	28-May-21	Last trading day of May, Nov
CHEWA-W1	0.02	0	0.81	0.48	1.75	1 : 1	N/A	118.52	31.61	467.34	40.50	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CI-W1	0.17	0	1.26	0.99	2.16	1 : 1.0172	N/A	86.61	23.93	98.86	7.54	29-May-20	Last trading day of May, Nov
CKP-W1	0.90	0.58	6.1	0.98	6.00	1 : 1.0007	55.98	13.12	25.84	1,870.00	6.78	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	1.08	0.26	2.12	1.08	3.00	1 : 1	309.25	92.45	57.95	60.63	1.96	02-Jul-20	15th of Jan, Jul
DCC-W1	0.67	0.51	1.9	1.93	1.15	1 : 1	31.82	-4.21	24.45	1,907.75	2.84	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DIMET-W2	0.01	0	0.74	0.13	1.15	1 : 1	N/A	56.76	34.88	268.95	74.00	20-Jul-19	Last trading day of Aug, Nov, Feb, Jul
EARTH-W4 <i>SP</i>	0.09	N/A	1.46	0.28	6.86	1 : 1.02	N/A	383.62		1,409.63	16.55	15-Sep-19	15th of Mar, Sep
ECF-W3	0.85	0.53	2.36	1.72	5.00	1 : 1.0008	60.97	147.82	90.12	129.95	2.78	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2

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	Market	Black Scholes											
ECL-W3	0.26	0.11	1.51	1.68	1.85	1 : 1	137.06	39.74	32.59	554.43	5.81	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0.01	0.05	0.99	0.60	1 : 1	N/A	1120.00	171.29	1,377.16	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.05	0.99	0.50	1 : 1	N/A	920.00	171.29	772.51	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	0.01	0.04	1.12	1.00	1 : 2.32054	N/A	5627.31	189.76	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.03	0.03	0.04	2.04	1.00	1 : 2.32054	-12.02	5743.34	189.76	16.42	3.09	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.17	0.12	0.27	4.37	0.15	1 : 1	47.77	18.52	56.60	4,216.75	1.59	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.28	0.1	3	1.54	4.83	1 : 1.0361	169.34	72.73	37.24	85.54	11.10	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.04	0	0.3	1.55	1.41	1 : 1.065	N/A	407.54	44.81	347.00	7.99	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.02	0	0.3	1.55	2.00	1 : 1	N/A	573.33	44.81	261.75	15.00	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.28	0.03	0.62	1.06	0.96	1 : 1.04545	915.25	104.04	44.29	138.79	2.31	26-Jun-20	Last Trading of June
GJS-W3	0.01	0	0.12	0.68	0.17	1 : 0.5	N/A	23.67	73.24	3,674.43	6.00	07-Feb-20	Last trading day of June, Dec
GSTEL-W1 SP	0.01	N/A	0.13	0.32	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	0.31	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	1.60	1.41	5.05	0.35	3.50	1 : 1	13.62	0.99	38.60	13.04	3.16	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.37	0.07	3.04	1.97	5.00	1 : 1	450.91	76.64	28.23	249.99	8.22	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	3.48	2.01	6	1.09	3.61	1 : 1.192	73.47	21.56	29.05	1,307.14	2.06	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.31	0	1.47	1.07	3.50	1 : 1	N/A	159.18	25.38	241.12	4.74	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.38	0.2	7.8	0.93	15.00	1 : 1	595.36	110.00	52.71	108.00	5.65	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMART-W2 SP	0.01	0	9.05	0.01	15.00	1 : 1	N/A	65.86	46.68	163.16	905.00	06-Jun-19	31 Jul 17, 5 Jun 19
JMT-W2	2.50	1.29	15.5	2.23	18.62	1 : 1.02031	93.46	37.01	32.78	222.00	6.33	27-Aug-21	Last trading day of Mar, June, Sept, Dec
LIT-W1	1.16	0.45	5.35	2.89	4.00	2 : 1	157.83	-3.55	31.73	157.10	4.61	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.15	0.05	1.53	2.23	2.10	1 : 1	195.47	47.06	24.43	1,375.54	10.20	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W3 SP	0.01	0	1.5	0.05	2.00	1 : 1	N/A	34.00	35.59	150.01	150.00	21-Jun-19	29 Nov 18, 14 Mar 19, 20 Jun 19
MILL-W3	0.01	N/A	0.9	0.55	2.73	1 : 1.099	N/A	224.93	31.72	625.70	98.91	21-Dec-19	Last trading day of June, Dec
MILL-W4	0.09	0.02	0.9	3.10	2.00	1 : 1.099	355.22	145.68	31.72	405.44	10.99	11-Jul-22	Last trading day of Mar, June, Sept, Dec

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	Market	Black Scholes											
MILL-W5	0.04	0	0.9	1.10	1.75	1 : 1.03	N/A	101.63	31.72	905.04	23.18	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MONO-W1	0.14	0	1.75	0.37	2.46	1 : 1.015	N/A	49.53	28.04	1,352.35	12.69	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.09	N/A	1.38	0.51	2.40	1 : 1.5	N/A	120.65	28.65	64.88	23.00	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.02	0	0.3	0.28	0.55	1 : 1	N/A	90.00	71.63	208.41	15.00	15-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	2.02	0.02	1 : 1	N/A	160.00	144.38	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.98	0.92	3.9	2.53	6.48	1 : 1.00255	116.33	117.31	65.26	108.78	1.97	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.25	N/A	2.1	0.99	3.19	1 : 1.5695	N/A	99.83	46.83	127.75	13.18	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.54	0.46	1.03	2.63	0.50	1 : 1	18.42	0.97	58.60	749.60	1.91	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.18	0	0.4	0.71	1.00	1 : 1	N/A	195.00	58.58	693.94	2.22	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.21	0.27	3	2.12	7.86	1 : 1.018	-21.86	172.04	68.50	276.12	14.54	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.49	0.54	1.31	2.70	1.00	1 : 1	-9.38	13.74	90.03	603.22	2.67	13-Feb-22	13 Feb 2022
ORI-W1	0.55	0.05	7.1	1.33	13.33	1 : 1	1119.55	95.54	33.09	609.86	12.91	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.21	3.72	2.00	1 : 1	98.34	861.90	65.39	2,460.22	10.50	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.77	0	8.8	1.95	33.00	1 : 1	N/A	283.75	26.70	75.33	11.43	14-May-21	15 May, 15 Nov
PDJ-W3	0.67	0.78	1.8	0.68	1.00	1 : 1	-13.9	-7.22	33.74	25.59	2.69	07-Feb-20	7 Feb 20
PDJ-W4	0.67	0.78	1.8	1.68	1.00	1 : 1	-14.06	-7.22	33.74	51.19	2.69	07-Feb-21	7 Feb 21
PROUD-W2	0.54	0.49	1.67	1.09	1.53	1 : 1.174	9.78	28.33	62.54	31.68	3.63	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W1	0.01	N/A	1.39	0.08	1.47	1 : 1.22449	N/A	7.93	24.90	157.08	170.20	03-Jul-19	Last Trading day of Jan, Jul
RICHY-W2	0.05	N/A	1.39	1.08	2.25	1 : 1.22449	N/A	79.81	24.90	157.08	34.04	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.15	3.77	16.3	0.97	12.47	1 : 1.0028	36.67	8.09	38.02	187.52	3.17	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.64	0.17	7.6	1.95	14.80	1 : 1.014	276.76	104.60	35.14	335.43	12.04	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.15	0.06	1	1.41	1.00	1 : 1	132.56	15.00	18.16	93.41	6.67	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	5.80	8.42	49.75	0.99	48.48	1 : 1.237	-31.14	11.25	35.17	39.95	10.61	29-May-20	Last trading day of May,Nov
SDC-W1	0.20	0.11	0.34	3.99	0.50	1 : 1	88.28	105.88	57.45	1,731.04	1.70	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.28	N/A	1.69	0.96	13.32	1 : 1.1261	N/A	793.60	43.43	37.81	6.80	19-May-20	Last trading day of Jan, Apr, Jul, Oct

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SIMAT-W3	0.38	0.01	1.69	5.96	26.64	1 : 1.1261	2925	1687.82	43.43	37.81	5.01	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.70	0.76	1.69	2.10	1.00	1 : 1	-7.94	0.59	43.43	43.69	2.41	08-Jul-21	9 Jul 2021
SINGER-W1	1.72	1.23	6	1.89	7.00	1 : 1	39.58	45.33	50.85	65.75	3.49	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.30	0.94	6	3.88	14.00	1 : 1	38.83	155.00	50.85	65.75	4.62	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W1	0.01	0	1.79	0.07	7.46	1 : 1.072	N/A	340.17	32.56	167.30	191.89	29-Jun-19	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.36	0.11	1.79	0.99	2.10	1 : 1	224.99	37.43	32.56	209.12	4.97	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.01	0.01	0.14	0.24	0.20	1 : 1	N/A	50.00	87.49	84.40	14.00	29-Aug-19	Last trading day of each month
SST-W2	1.41	0.07	4.52	2.33	10.00	1 : 1	1877.25	152.43	31.38	30.39	3.21	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.56	0.36	4.2	0.72	4.00	1 : 1	53.75	8.57	28.00	135.45	7.50	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.05	0	0.63	1.24	2.50	1 : 1	N/A	304.76	33.06	5,469.68	12.60	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.35	0.45	4.34	0.81	4.44	1 : 1	200.89	33.41	32.40	31.00	3.21	26-Mar-20	15 of Jul
S-W1	0.01	0	3.24	0.11	15.00	1 : 1	N/A	363.27	19.92	1,632.95	324.00	15-Jul-19	15th Jan 18, 16 Jul 18, 15 Jan 19, 15 Jul 19
SWC-W1	4.00	1.34	5.5	2.85	1.00	1 : 1	198.43	-9.09	48.98	149.99	1.38	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.10	0	0.57	1.65	1.88	1 : 1.07	N/A	264.68	28.86	400.00	6.10	28-Jan-21	Last trading day of Dec
TCC-W3	0.09	0.02	0.3	2.83	0.81	1 : 1.23886	384.8	246.53	45.86	92.20	4.13	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.10	0.02	0.3	3.95	0.90	1 : 1.10801	307.61	259.64	45.86	369.34	3.32	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.21	0.13	0.3	8.98	0.50	1 : 1	67.77	136.67	45.86	98.41	1.43	24-May-28	Last trading day of Jul
TCJ-W2	0.52	0	4.76	1.01	9.80	1 : 1.02	N/A	119.23	24.40	31.53	9.34	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.15	0.12	2.62	0.49	4.00	1 : 1	22.51	58.40	68.61	254.40	17.47	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.40	0	3.26	0.96	9.50	1 : 1	N/A	203.68	28.79	510.81	8.15	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.02	0.03	0.12	4.30	0.50	1 : 1	-22.33	333.33	77.76	1,944.51	6.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	1.86	0.87	3.50	4 : 1	N/A	89.25	40.35	2,191.76	93.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.17	0.02	0.77	1.04	1.00	1 : 1	649.79	51.95	27.85	321.67	4.53	16-Jun-20	Last Trading of June
TNITY-W1	0.48	0.15	4.68	1.79	5.00	1 : 1	224.77	17.09	18.95	97.28	9.75	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TNPC-W1	SP	0	1.22	0.01	2.19	1 : 1.03	N/A	82.74	33.16	53.25	125.66	08-Jun-19	Last trading day of May, Nov

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	Market	Black Scholes											
TRITN-W3	0.20	0.11	0.35	1.98	0.25	1 : 1.00027	83.03	28.56	39.87	1,606.61	1.75	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.90	0.13	8.3	2.07	18.00	1 : 1	592.1	127.71	32.72	112.00	9.22	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.42	0.24	1.31	1.83	1.00	1 : 1.002	76.4	8.26	27.65	162.51	3.13	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.02	0.02	0.09	0.66	0.10	1 : 1	-12.29	33.33	115.94	2,289.87	4.50	31-Jan-20	30 Jan 20
UAC-W2	0.60	0	3	1.07	5.55	1 : 1	N/A	105.00	21.42	66.76	5.00	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.46	0.08	0.51	0.78	0.50	1 : 1	495.59	88.24	43.95	103.01	1.11	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.06	0.42	6.00	1 : 0.01	N/A	1.92	30.71	180,628.31	2.06	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.06	3.78	6.00	1 : 0.01	N/A	1.92	30.71	141,895.49	2.06	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	0.77	1.23	8.95	3.27	10.00	1 : 1	-37.37	20.34	26.83	1,711.33	11.62	10-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.76	0.65	1.68	1.03	1.00	1 : 1.00086	16.84	4.71	18.27	426.70	2.21	14-Jun-20	30th of Sep
VIBHA-W3	0.12	0.01	1.68	3.03	3.00	1 : 1.00086	N/A	85.61	18.27	1,011.78	14.01	14-Jun-22	30 Sep of each year
WAVE-W1	0.34	0	1.77	0.93	6.00	1 : 1	N/A	258.19	38.04	42.12	5.21	08-May-20	Last trading day of June, Dec
WHA-W1	7.70	8.7	4.26	0.75	3.42	1 : 10.2396	-11.46	1648.46	19.21	110.09	5.67	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.17	N/A	1.61	2.58	4.22	1 : 1.185	N/A	204.69	25.22	124.97	11.22	02-Jan-22	Last Business Day of December of each year.
WORK-W1	3.88	0.01	20.6	0.32	38.10	1 : 1	4429.51	103.79	42.01	3.42	5.31	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.12	N/A	0.96	4.87	2.70	1 : 2	N/A	387.50	19.64	413.03	16.00	17-Apr-24	Last trading day of Mar, June, Sept, Dec