

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	1.3	0.15	3.49	1 : 1.00237	N/A	169.77	62.85	781.89	130.31	02-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1	0.06	0	0.2	0.45	1.53	1 : 1.30972	N/A	908.29	119.87	749.96	4.37	20-Nov-19	Last trading day of Mar, Sept
ALT-W1	0.46	0.21	2.72	1.53	3.00	1 : 1	122.33	27.21	23.98	230.98	5.91	18-Dec-20	15th of Mar, Sep
APEX-W1	0.04	0.01	0.2	2.06	0.40	1 : 1	210.15	120.00	44.48	499.97	5.00	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.13	0.65	1.42	1.99		1 : 1	-79.86		21.63	95.83	10.92	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.05	0.02	0.83	0.93	2.00	1 : 1	111.28	146.99	64.44	102.47	16.60	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	3.26	3.63	40.5	0.91	39.00	1 : 1	-10.25	4.35	22.36	78.58	12.42	08-May-20	15th of Jun, Dec
B52-W1	0.01	0	0.29	0.25	2.41	1 : 0.622	N/A	456.85	87.05	658.50	18.04	10-Sep-19	Last trading day of June, Dec
B52-W2	0.01	0	0.29	0.99	7.50	1 : 0.2	N/A	497.93	87.05	1,756.00	5.80	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.12	0.04	2.88	3.48	3.97	1 : 1.00731	207.74	42.36	17.65	358.73	24.18	30-Nov-22	Last trading day of Nov
BM-W1	0.15	0.01	2.12	1.18	4.00	1 : 1	N/A	95.75	31.96	110.00	14.13	14-Aug-20	16 Aug 2020
BROOK-W5	0.26	0.12	0.46	2.95	0.25	1 : 1	110.24	10.87	38.32	1,409.40	1.77	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	0.94	1.11	11.5	0.47	10.50	1 : 1	-15.47	-0.52	21.63	1,266.91	12.23	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.49	1.55	6.53	1 : 0.09188	N/A	113.44	66.61	3,437.23	4.50	28-Dec-20	30 of Nov
B-W4	0.10	0.06	0.49	2.06	1.20	1 : 1	56.98	165.31	66.61	96.85	4.90	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.14	0	1.05	2.05	2.75	1 : 1	N/A	175.24	27.40	1,652.87	7.50	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.03	0.01	0.79	1.97	2.00	1 : 1	N/A	156.96	35.43	1,445.62	26.33	28-May-21	Last trading day of May, Nov
CHEWA-W1	0.01	0	0.81	0.47	1.75	1 : 1	N/A	117.28	31.27	467.34	81.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CI-W1	0.16	0	1.27	0.97	2.16	1 : 1.0172	N/A	84.32	23.52	98.86	8.07	29-May-20	Last trading day of May, Nov
CKP-W1	0.95	0.79	6.5	0.97	6.00	1 : 1.0007	20.64	6.93	25.83	1,870.00	6.85	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	1.18	0.26	2.14	1.06	3.00	1 : 1	347.68	95.33	58.13	60.63	1.81	02-Jul-20	15th of Jan, Jul
DCC-W1	0.70	0.56	1.97	1.91	1.15	1 : 1	25.14	-6.09	24.35	1,907.75	2.81	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DIMET-W2	0.01	0	0.74	0.11	1.15	1 : 1	N/A	56.76	34.23	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	0.27	6.86	1 : 1.02	N/A	383.62		1,409.63	16.55	15-Sep-19	15th of Mar, Sep
ECF-W3	0.84	0.52	2.36	1.70	5.00	1 : 1.0008	61.57	147.40	89.99	129.95	2.81	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	0.28	0.13	1.57	1.66	1.85	1 : 1	119.1	35.67	32.79	554.43	5.61	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0	0.04	0.98	0.60	1 : 1	N/A	1425.00	169.83	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.04	0.98	0.50	1 : 1	N/A	1175.00	169.83	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	0.01	0.05	1.10	1.00	1 : 2.32054	-9.82	4455.44	192.57	190.75	11.60	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.03	0.05	0.05	2.02	1.00	1 : 2.32054	-37.86	4548.26	192.57	16.42	3.87	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.16	0.12	0.28	4.35	0.15	1 : 1	32.3	10.71	56.85	4,216.75	1.75	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.27	0.1	2.98	1.52	4.83	1 : 1.0361	167.81	73.57	37.39	85.54	11.44	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.05	0	0.31	1.54	1.41	1 : 1.065	N/A	394.39	46.85	347.00	6.60	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.03	0	0.31	1.54	2.00	1 : 1	N/A	554.84	46.85	261.75	10.33	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.24	0.02	0.6	1.05	0.96	1 : 1.04545	991.06	104.02	44.42	138.79	2.61	26-Jun-20	Last Trading of June
GJS-W3	0.01	0	0.13	0.66	0.17	1 : 0.5	N/A	18.00	73.24	3,674.43	6.50	07-Feb-20	Last trading day of June, Dec
GSTEL-W1 SP	0.01	N/A	0.13	0.30	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	0.30	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	1.69	1.51	5.15	0.34	3.50	1 : 1	12.09	0.78	38.37	13.04	3.05	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.40	0.07	3.16	1.95	5.00	1 : 1	464.93	70.89	27.53	249.99	7.90	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	3.46	2.51	6.5	1.07	3.61	1 : 1.192	37.69	10.36	29.46	1,307.14	2.24	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.31	0	1.38	1.06	3.50	1 : 1	N/A	176.09	25.88	241.12	4.45	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.42	0.28	8.25	0.92	15.00	1 : 1	411.34	99.03	52.87	108.00	5.81	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	2.52	1.51	16.1	2.22	18.62	1 : 1.02031	67.38	31.95	32.64	222.00	6.52	27-Aug-21	Last trading day of Mar, June, Sept, Dec
LIT-W1	1.04	0.54	5.6	2.88	4.00	2 : 1	91.52	-10.00	32.26	157.10	5.38	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.15	0.05	1.53	2.22	2.10	1 : 1	195.51	47.06	24.41	1,375.54	10.20	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W3 SP	0.01	0	1.48	0.03	2.00	1 : 1	N/A	35.81	35.54	150.01	148.00	21-Jun-19	29 Nov 18, 14 Mar 19, 20 Jun 19
MILL-W3	0.01	N/A	0.91	0.53	2.73	1 : 1.099	N/A	221.25	31.91	625.70	100.01	21-Dec-19	Last trading day of June, Dec
MILL-W4	0.08	0.02	0.91	3.09	2.00	1 : 1.099	285.91	141.66	31.91	405.44	12.50	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.03	0	0.91	1.08	1.75	1 : 1.03	N/A	98.25	31.91	905.04	31.24	10-Jul-20	Last trading day of Mar, June, Sept, Dec

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	Market	Black Scholes											
MINT-W6	3.18	3.15	38.5	2.31	43.00	1 : 1	0.88	19.95	18.81	230.94	12.11	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.13	0	1.77	0.35	2.46	1 : 1.015	N/A	47.25	27.44	1,352.35	13.82	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.09	N/A	1.35	0.49	2.40	1 : 1.5	N/A	126.67	29.31	64.88	22.50	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.02	0	0.29	0.27	0.55	1 : 1	N/A	96.55	72.56	208.41	14.50	15-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	2.01	0.02	1 : 1	N/A	160.00	204.19	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.73	0.86	3.78	2.51	6.48	1 : 1.00255	101.75	117.59	65.49	108.78	2.19	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.24	N/A	2.22	0.97	3.19	1 : 1.5695	N/A	85.24	47.08	127.75	14.52	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.52	0.44	1.02	2.62	0.50	1 : 1	16.98	0.00	56.29	749.60	1.96	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.21	0	0.39	0.69	1.00	1 : 1	N/A	210.26	58.36	693.94	1.86	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.20	0.26	3	2.10	7.86	1 : 1.018	-23.5	171.70	68.52	276.12	15.27	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.45	0.5	1.26	2.68	1.00	1 : 1	-10.39	15.08	87.53	603.22	2.80	13-Feb-22	13 Feb 2022
ORI-W1	0.62	0.09	7.65	1.31	13.33	1 : 1	606.27	82.40	33.50	609.86	12.34	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.21	3.71	2.00	1 : 1	91.05	861.90	66.11	2,460.22	10.50	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.72	0	9.2	1.93	33.00	1 : 1	N/A	266.52	27.08	75.33	12.78	14-May-21	15 May, 15 Nov
PDJ-W3	0.67	0.78	1.8	0.66	1.00	1 : 1	-13.81	-7.22	33.32	25.59	2.69	07-Feb-20	7 Feb 20
PDJ-W4	0.67	0.78	1.8	1.67	1.00	1 : 1	-13.85	-7.22	33.32	51.19	2.69	07-Feb-21	7 Feb 21
PORT-W1	1.24	0.48	4.38	2.96	6.50	1 : 1	159.32	76.71	35.93	46.00	3.53	27-May-22	Last trading day of June, Dec
PROUD-W2	0.55	0.37	1.49	1.07	1.53	1 : 1.174	50.24	46.72	62.04	31.68	3.18	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W1 <i>SP</i>	0.01	N/A	1.4	0.06	1.47	1 : 1.22449	N/A	7.00	24.78	157.08	171.43	03-Jul-19	Last Trading day of Jan, Jul
RICHY-W2	0.05	N/A	1.4	1.06	2.25	1 : 1.22449	N/A	78.37	24.78	157.08	34.29	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.05	3.91	16.5	0.95	12.47	1 : 1.0028	29.21	6.17	37.48	187.52	3.28	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.69	0.22	8.05	1.94	14.80	1 : 1.014	207.64	93.72	35.45	335.43	11.83	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.15	0.07	1.01	1.39	1.00	1 : 1	127.71	13.86	18.50	93.41	6.73	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	6.50	10.91	52.75	0.97	48.48	1 : 1.237	-40.44	5.22	35.58	39.95	10.04	29-May-20	Last trading day of May,Nov
SDC-W1	0.19	0.1	0.33	3.98	0.50	1 : 1	99.46	109.09	55.25	1,731.04	1.74	01-Jun-23	Last trading day of June, Dec

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	Market	Black Scholes											
SIMAT-W2	0.26	N/A	1.64	0.94	13.32	1 : 1.1261	N/A	819.86	43.28	37.81	7.10	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.35	0.01	1.64	5.95	26.64	1 : 1.1261	3338.81	1740.66	43.28	37.81	5.28	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.65	0.72	1.64	2.08	1.00	1 : 1	-9.59	0.61	43.28	43.69	2.52	08-Jul-21	9 Jul 2021
SINGER-W1	1.77	1.44	6.4	1.87	7.00	1 : 1	23.08	37.03	51.26	65.75	3.62	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.46	1.1	6.4	3.87	14.00	1 : 1	32.42	141.56	51.26	65.75	4.38	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W1	SP	N/A	1.85	0.05	7.46	1 : 1.072	N/A	325.66	32.64	167.30	198.32	29-Jun-19	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.34	0.13	1.85	0.97	2.10	1 : 1	159.92	31.89	32.64	209.12	5.44	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.02	0.01	0.14	0.22	0.20	1 : 1	N/A	57.14	86.89	84.40	7.00	29-Aug-19	Last trading day of each month
SST-W2	1.40	0.05	4.48	2.31	10.00	1 : 1	2455.31	154.46	30.67	30.39	3.20	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.39	0.32	4.18	0.70	4.00	1 : 1	20.34	5.02	25.62	135.45	10.72	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.05	0	0.66	1.23	2.50	1 : 1	N/A	286.36	33.08	5,469.68	13.20	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.17	0.44	4.32	0.79	4.44	1 : 1	166.89	29.86	32.37	31.00	3.69	26-Mar-20	15 of Jul
S-W1	0.01	0	3.36	0.10	15.00	1 : 1	N/A	346.73	19.88	1,632.95	336.00	16-Jul-19	15th Jan 18, 16 Jul 18, 15 Jan 19, 15 Jul 19
SWC-W1	3.90	1.37	5.55	2.83	1.00	1 : 1	183.91	-11.71	49.13	149.99	1.42	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.11	0	0.55	1.64	1.88	1 : 1.07	N/A	280.15	28.90	400.00	5.35	28-Jan-21	Last trading day of Dec
TCC-W3	0.10	0.02	0.31	2.81	0.81	1 : 1.23886	410.88	238.58	45.75	92.20	3.84	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.11	0.03	0.31	3.93	0.90	1 : 1.10801	309.35	251.27	45.75	369.34	3.12	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.21	0.13	0.31	8.96	0.50	1 : 1	60.77	129.03	45.75	98.41	1.48	24-May-28	Last trading day of Jul
TCJ-W2	0.49	0	4.82	0.99	9.80	1 : 1.02	N/A	115.84	24.28	31.53	10.03	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.15	0.13	2.74	0.47	4.00	1 : 1	11.87	51.46	68.62	254.40	18.27	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.45	0	3.32	0.94	9.50	1 : 1	N/A	199.70	28.68	510.81	7.38	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.02	0.03	0.13	4.28	0.50	1 : 1	-32.73	300.00	77.92	1,944.51	6.50	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	1.87	0.85	3.50	4 : 1	N/A	88.24	39.45	2,191.76	93.50	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.16	0.02	0.74	1.02	1.00	1 : 1	827.6	56.76	29.15	321.67	4.63	16-Jun-20	Last Trading of June
TNITY-W1	0.50	0.12	4.62	1.78	5.00	1 : 1	300.53	19.05	18.62	97.28	9.24	19-Mar-21	Last trading day of Mar, June, Sept, Dec

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	Market	Black Scholes											
TRITN-W3	0.20	0.11	0.35	1.97	0.25	1 : 1.00027	80.99	28.56	40.30	1,606.61	1.75	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.93	0.19	8.8	2.05	18.00	1 : 1	382.9	115.11	33.55	112.00	9.46	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.40	0.21	1.27	1.81	1.00	1 : 1.002	89.18	10.10	26.94	162.51	3.18	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.02	0.02	0.09	0.64	0.10	1 : 1	-11.32	33.33	116.15	2,289.87	4.50	31-Jan-20	30 Jan 20
UAC-W2	0.56	0	3.02	1.06	5.55	1 : 1	N/A	102.32	21.30	66.76	5.39	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.42	0.08	0.52	0.76	0.50	1 : 1	406.62	76.92	43.95	103.01	1.24	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.06	0.41	6.00	1 : 0.01	N/A	1.92	30.28	180,628.31	2.06	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.06	3.76	6.00	1 : 0.01	N/A	1.92	30.28	141,895.49	2.06	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	0.85	1.5	9.4	3.25	10.00	1 : 1	-43.48	15.43	27.80	1,711.33	11.06	10-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.74	0.69	1.72	1.01	1.00	1 : 1.00086	7.37	1.11	18.23	426.70	2.33	14-Jun-20	30th of Sep
VIBHA-W3	0.12	0.01	1.72	3.01	3.00	1 : 1.00086	912.32	81.29	18.23	1,011.78	14.35	14-Jun-22	30 Sep of each year
WAVE-W1	0.33	0	1.86	0.91	6.00	1 : 1	N/A	240.32	37.71	42.12	5.64	08-May-20	Last trading day of June, Dec
WHA-W1	8.35	10.12	4.4	0.73	3.42	1 : 10.2396	-17.48	1714.69	19.10	110.09	5.40	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.17	N/A	1.55	2.57	4.22	1 : 1.185	N/A	217.20	25.19	124.97	10.80	02-Jan-22	Last Business Day of December of each year.
WORK-W1	3.88	0.03	22.3	0.31	38.10	1 : 1	2165.96	88.25	42.66	3.42	5.75	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.12	N/A	0.96	4.86	2.70	1 : 2	N/A	387.50	18.79	413.03	16.00	17-Apr-24	Last trading day of Mar, June, Sept, Dec