

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	1.29	0.13	3.49	1 : 1.00237	N/A	171.86	61.73	781.89	129.31	02-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1	0.06	N/A	0.22	0.43	1.53	1 : 1.30972	N/A	813.81	120.13	749.96	4.80	20-Nov-19	Last trading day of Mar, Sept
AKR-W1	0.18	0.04	0.71	1.95	1.00	1 : 1	344.25	66.20	32.60	671.57	3.94	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.40	0.22	2.72	1.51	3.00	1 : 1	85.75	25.00	23.78	230.98	6.80	18-Dec-20	15th of Mar, Sep
APEX-W1	0.03	0.01	0.2	2.04	0.40	1 : 1	113.74	115.00	45.57	499.97	6.67	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.13	0.63	1.39	1.97		1 : 1	-79.42		21.45	95.83	10.69	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.04	0.02	0.81	0.91	2.00	1 : 1	114.31	151.85	63.01	102.47	20.25	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	3.30	3.63	40.5	0.89	39.00	1 : 1	-9.04	4.44	22.22	78.58	12.27	08-May-20	15th of Jun, Dec
B52-W1	0.01	0	0.29	0.23	2.41	1 : 0.622	N/A	456.85	85.77	658.50	18.04	10-Sep-19	Last trading day of June, Dec
B52-W2	0.01	0	0.29	0.97	7.50	1 : 0.2	N/A	497.93	85.77	1,756.00	5.80	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.11	0.04	2.9	3.46	3.97	1 : 1.00731	164.92	41.02	17.53	358.73	26.56	30-Nov-22	Last trading day of Nov
BM-W1	0.16	0.01	2.18	1.16	4.00	1 : 1	1407.09	90.83	31.72	110.00	13.63	14-Aug-20	16 Aug 2020
BROOK-W5	0.29	0.17	0.52	2.93	0.25	1 : 1	71.39	3.85	42.83	1,409.40	1.79	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	1.18	1.29	11.8	0.45	10.50	1 : 1	-8.86	-1.02	21.05	1,266.91	10.00	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.56	1.53	6.53	1 : 0.09188	N/A	98.11	68.26	3,437.23	5.15	28-Dec-20	30 of Nov
B-W4	0.09	0.09	0.56	2.04	1.20	1 : 1	-1.32	130.36	68.26	96.85	6.22	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.13	0	1.06	2.03	2.75	1 : 1	N/A	171.70	27.26	1,652.87	8.15	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.03	0.02	0.93	1.95	2.00	1 : 1	61.42	118.28	36.94	1,445.62	31.00	28-May-21	Last trading day of May, Nov
CHEWA-W1	0.01	0	0.84	0.45	1.75	1 : 1	N/A	109.52	31.49	467.34	84.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CI-W1	0.15	0	1.27	0.95	2.16	1 : 1.0172	N/A	83.52	24.28	98.86	8.61	29-May-20	Last trading day of May, Nov
CKP-W1	0.94	0.9	6.7	0.95	6.00	1 : 1.0007	4.21	3.58	25.73	1,870.00	7.13	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	1.05	0.23	2.06	1.04	3.00	1 : 1	364.57	96.60	58.02	60.63	1.96	02-Jul-20	15th of Jan, Jul
DCC-W1	0.71	0.58	2	1.89	1.15	1 : 1	21.83	-7.00	24.05	1,907.75	2.82	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DIMET-W2	0.01	0	0.74	0.09	1.15	1 : 1	N/A	56.76	34.00	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	0.25	6.86	1 : 1.02	N/A	383.62		1,409.63	16.55	15-Sep-19	15th of Mar, Sep

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	Market	Black Scholes											
ECF-W3	0.85	0.35	2.4	1.68	5.00	1 : 1.0008	143.32	143.69	72.78	129.95	2.83	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.26	0.13	1.59	1.64	1.85	1 : 1	100.38	32.70	32.66	554.43	6.12	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0.01	0.05	0.96	0.60	1 : 1	N/A	1120.00	178.81	1,377.16	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.05	0.96	0.50	1 : 1	N/A	920.00	178.81	772.51	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	0.01	0.04	1.08	1.00	1 : 2.32054	N/A	5627.31	188.97	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.03	0.03	0.04	2.00	1.00	1 : 2.32054	-9.32	5743.34	188.97	16.42	3.09	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.16	0.12	0.28	4.33	0.15	1 : 1	32.71	10.71	56.57	4,216.75	1.75	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.29	0.13	3.2	1.50	4.83	1 : 1.0361	126.17	62.03	35.60	85.54	11.43	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.04	0	0.31	1.52	1.41	1 : 1.065	N/A	390.96	45.40	347.00	8.25	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.02	0	0.31	1.52	2.00	1 : 1	N/A	551.61	45.40	261.75	15.50	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.25	0.02	0.61	1.03	0.96	1 : 1.04545	946.25	102.32	44.32	138.79	2.55	26-Jun-20	Last Trading of June
GJS-W3	0.01	0	0.13	0.64	0.17	1 : 0.5	N/A	18.00	71.72	3,674.43	6.50	07-Feb-20	Last trading day of June, Dec
GSTEL-W1 SP	0.01	N/A	0.13	0.28	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	0.28	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	1.88	1.75	5.4	0.32	3.50	1 : 1	7.34	-0.37	38.71	13.04	2.87	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.38	0.05	3.04	1.93	5.00	1 : 1	647.69	76.97	26.45	249.99	8.00	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	3.50	2.42	6.4	1.05	3.61	1 : 1.192	44.68	13.13	29.87	1,307.14	2.18	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.18	0	1.37	1.04	3.50	1 : 1	N/A	168.61	25.38	241.12	7.61	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.43	0.31	8.6	0.90	15.00	1 : 1	354.55	91.05	52.68	108.00	6.01	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	2.52	1.32	15.7	2.20	18.62	1 : 1.02031	91.02	35.37	32.76	222.00	6.36	27-Aug-21	Last trading day of Mar, June, Sept, Dec
LIT-W1	0.96	0.51	5.5	2.86	4.00	2 : 1	89.25	-9.82	32.26	157.10	5.73	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.15	0.05	1.51	2.20	2.10	1 : 1	218.41	49.01	24.26	1,375.54	10.07	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W3 SP	0.01	N/A	1.41	0.01	2.00	1 : 1	N/A	42.55	35.57	150.01	141.00	21-Jun-19	29 Nov 18, 14 Mar 19, 20 Jun 19
MILL-W3	0.01	N/A	0.91	0.51	2.73	1 : 1.099	N/A	221.25	31.94	625.70	100.01	21-Dec-19	Last trading day of June, Dec
MILL-W4	0.08	0.02	0.91	3.07	2.00	1 : 1.099	285.61	141.66	31.94	405.44	12.50	11-Jul-22	Last trading day of Mar, June, Sept, Dec

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	Market	Black Scholes											
MILL-W5	0.03	0	0.91	1.07	1.75	1 : 1.03	N/A	98.25	31.94	905.04	31.24	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	3.66	3.47	39.5	2.29	43.00	1 : 1	5.62	18.13	18.80	230.94	10.79	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.12	0	1.86	0.33	2.46	1 : 1.015	N/A	39.51	27.86	1,352.35	15.73	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.08	N/A	1.31	0.47	2.40	1 : 1.5	N/A	133.97	28.86	64.88	24.56	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.02	0	0.3	0.25	0.55	1 : 1	N/A	90.00	68.95	208.41	15.00	15-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.99	0.02	1 : 1	N/A	160.00	249.03	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.59	0.85	3.8	2.49	6.48	1 : 1.00255	86.3	112.75	65.47	108.78	2.40	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.25	N/A	2.36	0.95	3.19	1 : 1.5695	N/A	71.54	47.38	127.75	14.82	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.53	0.44	1.02	2.60	0.50	1 : 1	20.23	0.98	55.05	749.60	1.92	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.18	0	0.39	0.67	1.00	1 : 1	N/A	202.56	56.98	693.94	2.17	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.19	0.25	2.98	2.08	7.86	1 : 1.018	-23.82	173.20	68.20	276.12	15.97	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.44	0.52	1.3	2.66	1.00	1 : 1	-15.7	10.77	87.39	603.22	2.95	13-Feb-22	13 Feb 2022
ORI-W1	0.61	0.06	7.7	1.29	13.33	1 : 1	860.23	81.08	32.17	609.86	12.62	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.2	3.69	2.00	1 : 1	N/A	910.00	61.15	2,460.22	10.00	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.79	0.01	10.3	1.91	33.00	1 : 1	N/A	228.06	29.58	75.33	13.04	14-May-21	15 May, 15 Nov
PDJ-W3	0.65	0.78	1.8	0.64	1.00	1 : 1	-16.32	-8.33	33.01	25.59	2.77	07-Feb-20	7 Feb 20
PDJ-W4	0.65	0.78	1.8	1.65	1.00	1 : 1	-16.37	-8.33	33.01	51.19	2.77	07-Feb-21	7 Feb 21
PORT-W1	1.04	0.62	4.72	2.95	6.50	1 : 1	66.52	59.75	36.49	46.00	4.54	27-May-22	Last trading day of June, Dec
PROUD-W2	0.53	0.39	1.54	1.05	1.53	1 : 1.174	35.26	39.87	61.90	31.68	3.41	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W1 <i>SP</i>	0.01	N/A	1.4	0.04	1.47	1 : 1.22449	N/A	7.00	24.73	157.08	171.43	03-Jul-19	Last Trading day of Jan, Jul
RICHY-W2	0.06	N/A	1.4	1.04	2.25	1 : 1.22449	N/A	79.24	24.73	157.08	28.57	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.65	4.63	17.5	0.93	12.47	1 : 1.0028	22.11	3.53	37.34	187.52	3.11	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.64	0.23	8.1	1.92	14.80	1 : 1.014	177.07	91.89	35.70	335.43	12.83	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.15	0.07	1.02	1.37	1.00	1 : 1	104.87	12.75	18.47	93.41	6.80	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	6.85	11.92	54	0.95	48.48	1 : 1.237	-42.52	3.04	35.18	39.95	9.75	29-May-20	Last trading day of May,Nov

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	Market	Black Scholes											
SDC-W1	0.18	0.1	0.34	3.96	0.50	1 : 1	81.05	100.00	55.02	1,731.04	1.89	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.25	N/A	1.61	0.92	13.32	1 : 1.1261	N/A	836.53	39.83	37.81	7.25	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.33	0	1.61	5.93	26.64	1 : 1.1261	N/A	1773.79	39.83	37.81	5.49	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.64	0.68	1.61	2.06	1.00	1 : 1	-5.45	1.86	39.83	43.69	2.52	08-Jul-21	9 Jul 2021
SINGER-W1	1.62	1.33	6.2	1.85	7.00	1 : 1	21.59	39.03	51.12	65.75	3.83	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.20	1.01	6.2	3.85	14.00	1 : 1	19.23	145.16	51.12	65.75	5.17	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W1	SP	N/A	1.9	0.03	7.46	1 : 1.072	N/A	314.27	32.47	167.30	203.68	29-Jun-19	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.34	0.14	1.9	0.95	2.10	1 : 1	138.13	28.42	32.47	209.12	5.59	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.02	0.01	0.15	0.20	0.20	1 : 1	N/A	46.67	83.40	84.40	7.50	29-Aug-19	Last trading day of each month
SST-W2	1.37	0.01	4.74	2.29	10.00	1 : 1	9237.15	139.87	22.18	30.39	3.46	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.37	0.3	4.12	0.68	4.00	1 : 1	24.47	6.07	25.29	135.45	11.14	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.05	0	0.66	1.21	2.50	1 : 1	N/A	286.36	32.82	5,469.68	13.20	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.12	0.46	4.4	0.78	4.44	1 : 1	141.34	26.36	31.56	31.00	3.93	26-Mar-20	15 of Jul
S-W1	0.01	0	3.5	0.08	15.00	1 : 1	N/A	328.86	20.91	1,632.95	350.00	16-Jul-19	15th Jan 18, 16 Jul 18, 15 Jan 19, 15 Jul 19
SWC-W1	3.86	1.35	5.5	2.81	1.00	1 : 1	185.21	-11.64	49.14	149.99	1.42	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.12	0	0.61	1.62	1.88	1 : 1.07	N/A	243.82	32.90	400.00	5.44	28-Jan-21	Last trading day of Dec
TCC-W3	0.11	0.02	0.34	2.79	0.81	1 : 1.23886	349.74	210.24	44.80	92.20	3.83	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.11	0.03	0.34	3.91	0.90	1 : 1.10801	254.48	219.32	44.80	369.34	3.42	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.21	0.15	0.34	8.94	0.50	1 : 1	42.58	108.82	44.80	98.41	1.62	24-May-28	Last trading day of Jul
TCJ-W2	0.48	0	4.88	0.97	9.80	1 : 1.02	N/A	112.95	23.97	31.53	10.37	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.16	0.16	2.88	0.45	4.00	1 : 1	1.06	44.44	68.10	254.40	18.00	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.62	0	3.76	0.92	9.50	1 : 1	N/A	169.15	28.64	510.81	6.06	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.02	0.03	0.13	4.26	0.50	1 : 1	-31.86	300.00	77.59	1,944.51	6.50	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.01	0	1.89	0.84	3.50	4 : 1	N/A	85.71	38.96	2,191.76	189.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.17	0.02	0.74	1.00	1.00	1 : 1	989.99	58.11	28.44	321.67	4.35	16-Jun-20	Last Trading of June

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	Market	Black Scholes											
TNITY-W1	0.42	0.12	4.6	1.76	5.00	1 : 1	245.53	17.83	18.40	97.28	10.95	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.19	0.11	0.35	1.95	0.25	1 : 1.00027	73.11	25.70	40.24	1,606.61	1.84	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.88	0.17	8.7	2.03	18.00	1 : 1	429.68	117.01	33.13	112.00	9.89	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.44	0.22	1.29	1.79	1.00	1 : 1.002	101.3	11.50	26.62	162.51	2.94	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.02	0.02	0.09	0.62	0.10	1 : 1	-8.18	33.33	114.83	2,289.87	4.50	31-Jan-20	30 Jan 20
UAC-W2	0.54	0	3.04	1.04	5.55	1 : 1	N/A	100.33	20.93	66.76	5.63	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.45	0.11	0.57	0.74	0.50	1 : 1	301.85	66.67	44.36	103.01	1.27	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.06	0.39	6.00	1 : 0.01	N/A	1.92	30.16	180,628.31	2.06	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.06	3.75	6.00	1 : 0.01	N/A	1.92	30.16	141,895.49	2.06	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	0.89	1.53	9.45	3.24	10.00	1 : 1	-41.79	15.24	27.76	1,711.33	10.62	10-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.73	0.7	1.73	0.99	1.00	1 : 1.00086	4.41	-0.06	17.89	426.70	2.37	14-Jun-20	30th of Sep
VIBHA-W3	0.13	0.01	1.73	2.99	3.00	1 : 1.00086	1137.06	80.82	17.89	1,011.78	13.32	14-Jun-22	30 Sep of each year
WAVE-W1	0.30	0	1.84	0.89	6.00	1 : 1	N/A	242.39	37.39	42.12	6.13	08-May-20	Last trading day of June, Dec
WHA-W1	10.30	11.74	4.56	0.72	3.42	1 : 10.2396	-12.26	2056.48	19.64	110.09	4.53	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.18	N/A	1.59	2.55	4.22	1 : 1.185	N/A	209.50	25.21	124.97	10.47	02-Jan-22	Last Business Day of December of each year.
WORK-W1	3.86	0.05	24.1	0.29	38.10	1 : 1	8376.63	74.11	42.13	3.42	6.24	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.11	N/A	0.94	4.84	2.70	1 : 2	N/A	397.87	18.73	413.03	17.09	17-Apr-24	Last trading day of Mar, June, Sept, Dec