

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												
2S-W1	SP	0.01	N/A	2.16	0.01	6.67	1 : 1.125	N/A	235.26	27.52	100.00	243.00	31-May-19	30 May, Nov of each year
ACAP-W2	SP	0.01	0	3.54	0.01	6.00	1 : 1	N/A	69.77	67.25	73.55	354.00	29-May-19	15th of Jun, Dec
AIRA-W2		0.01	0	1.33	0.18	3.49	1 : 1.00237	N/A	163.67	64.90	781.89	133.32	02-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1		0.05	0	0.2	0.48	1.53	1 : 1.30972	N/A	901.74	119.89	749.96	5.24	20-Nov-19	Last trading day of Mar, Sept
ALT-W1		0.36	0.22	2.74	1.56	3.00	1 : 1	66.73	22.63	23.83	230.98	7.61	18-Dec-20	15th of Mar, Sep
APEX-W1		0.04	0.01	0.18	2.10	0.40	1 : 1	N/A	144.44	39.39	499.97	4.50	30-Jun-21	Last trading day of June, Dec
APURE-W2		0.11	0.61	1.34	2.02		1 : 1	-81.94		27.00	95.83	12.18	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1		0.07	0.04	0.8	0.97	2.00	1 : 1	85.18	158.75	74.57	102.47	11.43	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1		3.16	3.63	40.25	0.95	39.00	1 : 1	-13.04	4.75	22.58	78.58	12.74	08-May-20	15th of Jun, Dec
B52-W1		0.01	0	0.3	0.29	2.41	1 : 0.622	N/A	439.55	87.59	658.50	18.66	10-Sep-19	Last trading day of June, Dec
B52-W2		0.01	0	0.3	1.03	7.50	1 : 0.2	N/A	480.67	87.59	1,756.00	6.00	05-Jun-20	Last trading day of June, Dec
BKD-W2		0.13	0.04	2.9	3.52	3.97	1 : 1.00731	189.38	41.72	18.42	358.73	22.47	30-Nov-22	Last trading day of Nov
BM-W1		0.18	0.01	2.12	1.22	4.00	1 : 1	N/A	97.17	31.60	110.00	11.78	14-Aug-20	16 Aug 2020
BTS-W4		0.75	1.07	11.4	0.51	10.50	1 : 1	-29.63	-1.32	20.79	1,266.91	15.20	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3		0.01	0	0.46	1.59	6.53	1 : 0.09188	N/A	121.44	63.83	3,437.23	4.23	28-Dec-20	30 of Nov
B-W4		0.08	0.05	0.46	2.10	1.20	1 : 1	59.12	178.26	63.83	96.85	5.75	01-Jul-21	Last trading day of June, Dec
CGD-W4		0.17	0	1.09	2.08	2.75	1 : 1	N/A	167.89	26.49	1,652.87	6.41	26-Jun-21	Last trading day of June, Dec
CGH-W3		0.03	0.01	0.84	2.01	2.00	1 : 1	N/A	141.67	34.58	1,445.62	28.00	28-May-21	Last trading day of May, Nov
CHEWA-W1		0.02	0	0.78	0.50	1.75	1 : 1	N/A	126.92	30.48	467.34	39.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CI-W1		0.14	0	1.28	1.01	2.16	1 : 1.0172	N/A	81.28	23.86	98.86	9.30	29-May-20	Last trading day of May, Nov
CKP-W1		0.75	0.46	5.85	1.01	6.00	1 : 1.0007	62.4	15.40	24.67	1,870.00	7.81	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1		0.77	0.1	1.79	1.10	3.00	1 : 1	695.26	110.61	49.12	60.63	2.32	02-Jul-20	15th of Jan, Jul
DCC-W1		0.70	0.52	1.91	1.95	1.15	1 : 1	35.08	-3.14	25.69	1,907.75	2.73	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DIMET-W2		0.01	0	0.65	0.15	1.15	1 : 1	N/A	78.46	32.37	268.95	65.00	20-Jul-19	Last trading day of Aug, Nov, Feb, Jul
EARTH-W4	SP	0.09	N/A	1.46	0.30	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	0.81	0.54	2.38	1.74	5.00	1 : 1	51.13	144.12	90.39	129.95	2.94	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.25	0.09	1.45	1.70	1.85	1 : 1	179.83	44.83	31.78	554.43	5.80	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0	0.04	1.02	0.60	1 : 1	N/A	1425.00	164.30	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.04	1.02	0.50	1 : 1	N/A	1175.00	164.30	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	0.01	0.04	1.14	1.00	1 : 2.32054	N/A	5627.31	192.57	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.03	0.04	0.04	2.06	1.00	1 : 2.32054	-17.05	5743.34	192.57	16.42	3.09	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.17	0.12	0.27	4.39	0.15	1 : 1	47.28	18.52	56.91	4,216.75	1.59	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.27	0.09	2.9	1.56	4.83	1 : 1.0361	211.42	78.45	37.06	85.54	11.13	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.04	0	0.32	1.58	1.41	1 : 1.065	N/A	375.41	45.91	347.00	8.52	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.03	0	0.32	1.58	2.00	1 : 1	N/A	534.38	45.91	261.75	10.67	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.31	0.03	0.63	1.08	0.96	1 : 1.04545	888.05	105.71	44.92	138.79	2.12	26-Jun-20	Last Trading of June
GJS-W3	0.01	0	0.13	0.70	0.17	1 : 0.5	N/A	18.00	72.29	3,674.43	6.50	07-Feb-20	Last trading day of June, Dec
GSTEL-W1 SP	0.01	N/A	0.13	0.34	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	0.33	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	1.50	1.37	5	0.38	3.50	1 : 1	9.85	0.00	38.43	13.04	3.33	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.35	0.07	3.04	1.99	5.00	1 : 1	421.52	75.99	28.43	249.99	8.69	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	3.32	1.56	5.55	1.11	3.61	1 : 1.192	112.81	29.53	28.57	1,307.14	1.99	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.32	0	1.5	1.10	3.50	1 : 1	N/A	154.67	26.01	241.12	4.69	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.37	0.26	8	0.96	15.00	1 : 1	431.63	104.63	52.93	108.00	5.84	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMART-W2 SP	0.01	N/A	8.95	0.03	15.00	1 : 1	N/A	67.71	47.14	163.16	895.00	06-Jun-19	31 Jul 17, 5 Jun 19
JMT-W2	2.48	1.16	15.1	2.25	18.62	1 : 1.02031	113.81	40.55	32.25	222.00	6.21	27-Aug-21	Last trading day of Mar, June, Sept, Dec
LIT-W1	0.65	0.28	4.9	2.92	4.00	2 : 1	132.49	-5.10	30.20	157.10	7.54	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.13	0.04	1.48	2.25	2.10	1 : 1	189.11	50.68	24.79	1,375.54	11.38	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W3	0.01	0	1.51	0.07	2.00	1 : 1	N/A	33.11	35.59	150.01	151.00	21-Jun-19	29 Nov 18, 14 Mar 19, 20 Jun 19
MIDA-W2 SP	0.01	N/A	0.58	0.01	2.50	1 : 1	N/A	332.76	18.49	626.01	58.00	01-Jun-19	Last trading day of Dec

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	Market	Black Scholes											
MILL-W3	0.01	N/A	0.89	0.57	2.73	1 : 1.099	N/A	228.69	29.81	625.70	97.81	21-Dec-19	Last trading day of June, Dec
MILL-W4	0.10	0.01	0.89	3.13	2.00	1 : 1.099	601.14	149.79	29.81	405.44	9.78	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.05	0	0.89	1.12	1.75	1 : 1.03	N/A	105.08	29.81	905.04	18.33	10-Jul-20	Last trading day of Mar, June, Sept, Dec
ML-W2	SP	0	0.98	0.01	3.18	1 : 1.1	N/A	248.29	29.48	483.98	107.80	01-Jun-19	Last trading day of Dec
MONO-W1	0.16	0	1.76	0.39	2.46	1 : 1.015	N/A	49.83	28.59	1,352.35	11.17	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.08	N/A	1.36	0.53	2.40	1 : 1.5	N/A	123.53	27.65	64.88	25.50	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.03	0	0.29	0.30	0.55	1 : 1	N/A	100.00	70.66	208.41	9.67	15-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	2.05	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	1.36	0.61	3.14	2.55	6.48	1 : 1.00255	123.3	150.17	67.01	108.78	2.31	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.19	N/A	2.12	1.01	3.19	1 : 1.5695	N/A	92.97	47.66	127.75	17.51	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.56	0.47	1.05	2.65	0.50	1 : 1	19.04	0.95	59.02	749.60	1.88	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.18	0	0.38	0.73	1.00	1 : 1	N/A	210.53	59.10	693.94	2.11	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.20	0.3	3.1	2.14	7.86	1 : 1.018	-33.71	162.88	68.61	276.12	15.78	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.40	0.46	1.18	2.72	1.00	1 : 1	-13.6	18.64	87.86	603.22	2.95	13-Feb-22	13 Feb 2022
ORI-W1	0.54	0.05	7	1.35	13.33	1 : 1	1071.83	98.19	34.17	609.86	12.96	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.19	3.75	2.00	1 : 1	N/A	963.16	63.79	2,460.22	9.50	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.48	0	8.6	1.97	33.00	1 : 1	N/A	289.30	26.25	75.33	17.92	14-May-21	15 May, 15 Nov
PDJ-W3	0.67	0.78	1.8	0.70	1.00	1 : 1	-13.97	-7.22	33.72	25.59	2.69	07-Feb-20	7 Feb 20
PDJ-W4	0.67	0.78	1.8	1.70	1.00	1 : 1	-14.12	-7.22	33.72	51.19	2.69	07-Feb-21	7 Feb 21
PROUD-W2	0.53	0.5	1.66	1.11	1.53	1 : 1.174	6.56	28.50	63.24	31.68	3.68	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W1	0.01	N/A	1.38	0.10	1.47	1 : 1.22449	N/A	8.87	25.23	157.08	168.98	03-Jul-19	Last Trading day of Jan, Jul
RICHY-W2	0.07	N/A	1.38	1.10	2.25	1 : 1.22449	N/A	83.05	25.23	157.08	24.14	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	4.92	3.39	15.7	0.99	12.47	1 : 1.0028	45	10.77	37.92	187.52	3.20	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.54	0.11	7.05	1.98	14.80	1 : 1.014	406.41	119.23	33.65	335.43	13.24	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.14	0.06	0.99	1.43	1.00	1 : 1	131.9	15.15	18.21	93.41	7.07	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20

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	Market	Black Scholes											
SAWAD-W1	5.95	8.25	49.5	1.01	48.48	1 : 1.237	-27.89	12.31	35.28	39.95	10.29	29-May-20	Last trading day of May,Nov
SDC-W1	0.17	0.1	0.32	4.02	0.50	1 : 1	78.14	109.38	57.58	1,731.04	1.88	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.34	N/A	1.7	0.98	13.32	1 : 1.1261	N/A	792.24	44.07	37.81	5.63	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.39	0.02	1.7	5.98	26.64	1 : 1.1261	2430.11	1677.90	44.07	37.81	4.91	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.67	0.77	1.7	2.12	1.00	1 : 1	-13.2	-1.76	44.07	43.69	2.54	08-Jul-21	9 Jul 2021
SINGER-W1	1.44	1.12	5.8	1.91	7.00	1 : 1	29.11	45.52	50.05	65.75	4.03	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.14	0.85	5.8	3.90	14.00	1 : 1	34.24	161.03	50.05	65.75	5.09	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SKY-W1 <i>SP</i>	11.30	10.53	11.2	0.01	1.38	1 : 1.09	7.33	14.36	23.83	8.31	1.08	01-Jun-19	29 Dec 17, 31 May 19
SMT-W1	0.01	N/A	1.84	0.09	7.46	1 : 1.072	N/A	328.01	32.31	167.30	197.25	28-Jun-19	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.36	0.13	1.84	1.01	2.10	1 : 1	169.14	33.70	32.31	209.12	5.11	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.01	0.01	0.14	0.26	0.20	1 : 1	N/A	50.00	88.59	84.40	14.00	29-Aug-19	Last trading day of each month
SST-W2	1.07	0.08	4.5	2.35	10.00	1 : 1	1299.71	146.00	32.05	30.39	4.21	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.39	0.37	4.2	0.74	4.00	1 : 1	6.76	4.52	28.36	135.45	10.77	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.04	0	0.62	1.27	2.50	1 : 1	N/A	309.68	32.79	5,469.68	15.50	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	0.92	0.28	4.02	0.83	4.44	1 : 1	225.87	33.33	31.52	31.00	4.37	26-Mar-20	15 of Jul
S-W1	0.01	N/A	3.16	0.13	15.00	1 : 1	N/A	375.00	20.16	1,632.95	316.00	15-Jul-19	15th Jan 18, 16 Jul 18, 15 Jan 19, 15 Jul 19
SWC-W1	3.68	1.22	5.3	2.87	1.00	1 : 1	200.67	-11.70	49.54	149.99	1.44	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.09	0	0.57	1.68	1.88	1 : 1.07	N/A	262.81	28.75	400.00	6.78	28-Jan-21	Last trading day of Dec
TCC-W3	0.10	0.02	0.31	2.85	0.81	1 : 1.23886	376.47	238.58	45.72	92.20	3.84	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.09	0.03	0.31	3.97	0.90	1 : 1.10801	235.86	244.12	45.72	369.34	3.82	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.22	0.13	0.31	9.00	0.50	1 : 1	68.31	132.26	45.72	98.41	1.41	24-May-28	Last trading day of Jul
TCJ-W2	0.41	0	4.7	1.03	9.80	1 : 1.02	N/A	119.67	24.48	31.53	11.69	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.14	0.1	2.48	0.51	4.00	1 : 1	45.48	66.94	68.40	254.40	17.71	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.45	0	3.14	0.98	9.50	1 : 1	N/A	216.88	28.66	510.81	6.98	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.03	0.12	4.32	0.50	1 : 1	-61.69	325.00	78.29	1,944.51	12.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec

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	Market	Black Scholes											
THE-W2	0.02	0	1.86	0.89	3.50	4 : 1	N/A	89.25	40.47	2,191.76	93.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.17	0.02	0.75	1.06	1.00	1 : 1	652.54	56.00	29.73	321.67	4.41	16-Jun-20	Last Trading of June
TNITY-W1	0.36	0.14	4.66	1.81	5.00	1 : 1	153.06	15.02	18.88	97.28	12.94	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TNPC-W1	SP	N/A	1.22	0.03	2.19	1 : 1.03	N/A	82.74	33.25	53.25	125.66	08-Jun-19	Last trading day of May,Nov
TRITN-W3	0.20	0.1	0.34	2.01	0.25	1 : 1.00027	96.67	32.34	38.72	1,606.61	1.70	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.77	0.08	7.75	2.09	18.00	1 : 1	861.7	142.19	32.01	112.00	10.06	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.43	0.24	1.32	1.85	1.00	1 : 1.002	78.39	8.20	27.71	162.51	3.08	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.02	0.03	0.1	0.68	0.10	1 : 1	-28.56	20.00	113.57	2,289.87	5.00	31-Jan-20	30 Jan 20
UAC-W2	0.40	0	3	1.10	5.55	1 : 1	N/A	98.33	21.68	66.76	7.50	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.45	0.08	0.52	0.80	0.50	1 : 1	431.12	82.69	45.26	103.01	1.16	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.04	0.45	6.00	1 : 0.01	N/A	1.95	31.26	180,628.31	2.04	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.04	3.80	6.00	1 : 0.01	N/A	1.95	31.26	141,895.49	2.04	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	0.80	1.14	8.7	3.29	10.00	1 : 1	-30.11	24.14	27.01	1,711.33	10.88	10-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.79	0.74	1.77	1.05	1.00	1 : 1.00086	7.15	1.07	17.83	426.70	2.24	14-Jun-20	30th of Sep
VIBHA-W3	0.13	0.01	1.77	3.05	3.00	1 : 1.00086	913.79	76.73	17.83	1,011.78	13.63	14-Jun-22	30 Sep of each year
WAVE-W1	0.30	0	1.79	0.95	6.00	1 : 1	N/A	251.96	39.99	42.12	5.97	08-May-20	Last trading day of June, Dec
WHA-W1	7.50	8.5	4.24	0.77	3.42	1 : 10.2396	-11.77	1612.76	18.97	110.09	5.79	04-Mar-20	25 of Jun, Dec
WIIK-W2	0.13	N/A	1.56	2.61	4.22	1 : 1.185	N/A	212.01	25.09	124.97	14.22	02-Jan-22	Last Business Day of December of each year.
WORK-W1	3.34	0	19.2	0.35	38.10	1 : 1	N/A	115.83	41.73	3.42	5.75	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.11	N/A	0.95	4.90	2.70	1 : 2	N/A	391.58	20.83	413.03	17.27	17-Apr-24	Last trading day of Mar, June, Sept, Dec