

QA Report : Warrant Focus

Stock	Market	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
		Black Scholes	SP											
AIRA-W2	SP	0.01	0	1.31	0.03	3.49	1 : 1.00237	N/A	167.70	43.31	781.89	131.31	03-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1		0.03	N/A	0.21	0.33	1.53	1 : 1.30972	N/A	840.09	77.01	749.96	9.17	20-Nov-19	Last trading day of Mar, Sept
AKR-W1		0.19	0.1	0.81	1.86	1.00	1 : 1	83.44	46.91	46.54	671.57	4.26	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1		0.61	0.27	2.88	1.41	3.00	1 : 1	124.34	25.35	23.68	230.98	4.72	18-Dec-20	15th of Mar,Sept
APEX-W1		0.02	0.02	0.19	1.94	0.40	1 : 1	24.14	121.05	53.17	499.97	9.50	30-Jun-21	Last trading day of June, Dec
APURE-W2		0.17	0.63	1.38	1.87		1 : 1	-72.9		27.72	95.83	8.12	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1		0.05	0.01	0.75	0.81	2.00	1 : 1	N/A	173.33	56.06	102.47	15.00	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1		4.56	5.03	41.75	0.80	39.00	1 : 1	-9.37	4.34	30.07	78.56	9.16	08-May-20	15th of Jun, Dec
B52-W1		0.01	0	0.23	0.14	2.28	1 : 0.657	N/A	589.30	81.69	658.50	15.11	10-Sep-19	Last trading day of June, Dec
B52-W2		0.01	0	0.23	0.87	7.10	1 : 0.211	N/A	631.44	81.69	1,756.00	4.85	05-Jun-20	Last trading day of June, Dec
BKD-W2		0.16	0.04	2.86	3.36	3.97	1 : 1.00731	325.82	44.77	18.10	358.73	18.01	30-Nov-22	Last trading day of Nov
BM-W1		0.19	0	2.1	1.07	4.00	1 : 1	N/A	99.52	29.53	110.00	11.05	14-Aug-20	16 Aug 2020
BROOK-W5		0.33	0.17	0.53	2.83	0.25	1 : 1	97.03	9.43	32.94	1,407.54	1.61	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4		2.24	2.27	12.9	0.36	10.50	1 : 1	-1.54	-1.24	17.91	611.53	5.76	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3		0.01	0	0.56	1.44	6.53	1 : 0.09188	N/A	98.11	54.72	3,437.23	5.15	28-Dec-20	30 of Nov
B-W4		0.12	0.05	0.56	1.95	1.20	1 : 1	140.88	135.71	54.72	96.85	4.67	01-Jul-21	Last trading day of June, Dec
CGD-W4		0.15	0	1.07	1.93	2.75	1 : 1	N/A	171.03	29.70	1,652.87	7.13	26-Jun-21	Last trading day of June, Dec
CGH-W3		0.04	0.01	0.91	1.85	2.00	1 : 1	N/A	124.18	33.49	1,445.62	22.75	28-May-21	Last trading day of May,Nov
CHEWA-W1		0.02	0	0.81	0.35	1.75	1 : 1	N/A	118.52	33.13	467.34	40.50	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CHO-W2		0.34	0.17	1	1.44	0.86	1 : 1	99.16	20.00	34.74	649.42	2.94	30-Dec-20	Last trading day of June, Dec
CI-W1		0.14	0	1.29	0.85	2.16	1 : 1.0172	N/A	79.86	21.99	98.86	9.37	29-May-20	Last trading day of May,Nov
CKP-W1		1.46	1.13	6.9	0.85	6.00	1 : 1.0007	28.67	8.12	28.33	1,276.18	4.73	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1		1.10	0.09	2	0.95	3.00	1 : 1	1078.41	105.00	43.50	60.63	1.82	02-Jul-20	15th of Jan, Jul
DCC-W1		0.80	0.7	2.12	1.80	1.15	1 : 1	14.82	-8.02	33.51	1,907.75	2.65	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1		2.70	2.71	13.3	1.96	15.75	1 : 1	-0.49	38.72	68.80	182.22	4.93	07-Jul-21	Last trading day of May,Nov

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	Market	Black Scholes											
EARTH-W4	0.01	0	0.72	0.15	6.86	1 : 1.02	N/A	871.39	250.22	1,409.63	73.44	15-Sep-19	15th of Mar, Sep
ECF-W3	1.25	0.27	2.44	1.59	5.00	1 : 1.0008	367.5	156.10	66.07	129.95	1.95	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.62	0.24	1.81	1.55	1.85	1 : 1	162.43	36.46	38.32	554.43	2.92	05-Feb-21	Last Business Day of every six month from the is
EFORL-W3	0.01	0.01	0.05	0.86	0.60	1 : 1	N/A	1120.00	178.89	1,377.16	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.05	0.86	0.50	1 : 1	N/A	920.00	178.89	772.51	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	N/A	0.04	0.99	1.00	1 : 2.32054	N/A	5627.31	171.17	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.02	0.02	0.04	1.90	1.00	1 : 2.32054	-1.83	5685.32	171.17	16.42	4.64	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.15	0.11	0.25	4.24	0.15	1 : 1	33.73	20.00	70.51	4,216.75	1.67	15-Oct-23	15th of Apr, Oct
EPCO-W3	0.67	0.46	3.74	1.41	4.83	1 : 1.0361	47.14	48.64	48.39	85.54	5.78	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.05	0	0.28	1.42	1.41	1 : 1.065	N/A	448.06	62.06	347.00	5.96	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.02	0	0.28	1.42	2.00	1 : 1	N/A	621.43	62.06	261.75	14.00	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.28	0.01	0.59	0.93	0.96	1 : 1.04545	2605.9	114.65	38.38	138.79	2.20	26-Jun-20	Last Trading of June
GJS-W3	0.01	0.01	0.17	0.55	0.17	1 : 0.5	N/A	2.00	69.68	3,674.43	8.50	07-Feb-20	Last trading day of June, Dec
GSTEEL-W1	0.00	0	0.08	0.18	2.75	1 : 0.2	N/A	667.50	95.10	5,676.19		26-Sep-19	Last trading day of June, Dec
GSTEEL-W2	0.00	0	0.08	0.18	2.75	1 : 0.2	N/A	667.50	95.10	1,348.65		26-Sep-19	Last trading day of June, Dec
HPT-W1	0.52	0.28	0.75	1.87	0.50	1 : 1	86.09	36.00	50.09	110.50	1.44	04-Jun-21	Last trading day of June, Dec
IHL-W1	1.20	0.94	4.52	0.22	3.50	1 : 1	27.79	3.98	36.64	13.04	3.77	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.63	0.26	3.56	1.84	5.00	1 : 1	146.18	58.15	37.06	249.99	5.65	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	5.40	3.94	7.85	0.96	3.61	1 : 1.192	37.22	17.54	33.12	1,304.56	1.73	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.35	0	1.38	0.94	3.50	1 : 1	N/A	178.99	27.35	241.12	3.94	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.96	0.3	8.75	0.80	15.00	1 : 1	555.24	93.83	53.91	108.00	4.46	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.58	2.9	18.6	2.10	18.62	1 : 1.02031	23.47	19.76	38.35	222.00	5.30	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.81	0.02	1.05	2.89	2.00	1 : 1	3876.09	167.62	24.62	156.48	1.30	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	1.32	0.44	5.55	2.76	4.00	2 : 1	199.28	-4.14	28.99	157.10	4.20	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.26	0.06	1.55	2.10	2.10	1 : 1	318.15	52.26	26.49	1,375.54	5.96	27-Aug-21	Last trading day of Mar, June, Sept, Dec

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	Market	Black Scholes											
MILL-W3	0.01	N/A	0.88	0.42	2.73	1 : 1.099	N/A	232.54	29.83	625.70	96.71	21-Dec-19	Last trading day of June, Dec
MILL-W4	0.07	0.01	0.88	2.97	2.00	1 : 1.099	562.78	148.99	29.83	405.44	13.82	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.04	0	0.88	0.97	1.75	1 : 1.03	N/A	106.28	29.83	905.04	22.66	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	6.15	6.54	42.5	2.19	43.00	1 : 1	-5.98	15.65	25.29	230.94	6.91	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.21	0.03	2.02	0.24	2.46	1 : 1.015	738.97	32.86	38.22	1,352.35	9.76	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.11	N/A	1.24	0.38	2.40	1 : 1.5	N/A	153.63	33.49	64.88	16.91	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.01	0	0.28	0.15	0.55	1 : 1	N/A	100.00	58.56	208.41	28.00	13-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.89	0.02	1 : 1	N/A	160.00	393.71	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	2.26	0.79	4	2.40	6.48	1 : 1.00255	185.06	118.89	59.40	108.78	1.77	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.19	N/A	2.38	0.85	3.19	1 : 1.5695	N/A	65.66	33.26	127.75	19.66	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.61	0.46	1.02	2.50	0.50	1 : 1	32.95	8.82	64.84	749.60	1.67	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.19	0.01	0.41	0.58	1.00	1 : 1	N/A	190.24	67.82	693.94	2.16	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.22	0.03	2.9	1.98	7.86	1 : 1.018	594.38	181.84	42.77	276.12	13.42	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.55	0.47	1.25	2.57	1.00	1 : 1	17.14	24.00	81.96	603.22	2.27	13-Feb-22	13 Feb 2022
ORI-W1	1.32	0.92	9.65	1.19	13.33	1 : 1	43.57	51.85	55.09	609.86	7.31	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.21	3.59	2.00	1 : 1	N/A	861.90	63.09	2,460.22	10.50	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.84	0.01	9.25	1.81	33.00	1 : 1	7838.1	265.84	35.78	75.33	11.01	14-May-21	15 May, 15 Nov
PDJ-W3	0.58	0.62	1.64	0.55	1.00	1 : 1	-6.91	-3.66	32.75	25.59	2.83	07-Feb-20	7 Feb 20
PDJ-W4	0.58	0.64	1.64	1.55	1.00	1 : 1	-8.78	-3.66	32.75	51.19	2.83	07-Feb-21	7 Feb 21
PERM-W1	0.43	0.21	1.16	2.91	1.80	1 : 1	100.42	92.24	53.73	250.00	2.70	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	1.58	0.63	4.94	2.85	6.50	1 : 1	150.31	63.56	34.15	46.00	3.13	27-May-22	Last trading day of June, Dec
PROUD-W2	0.58	0.28	1.47	0.96	1.53	1 : 1.174	104.23	51.35	48.68	31.68	2.98	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.09	N/A	1.37	0.95	2.25	1 : 1.22449	N/A	86.34	26.53	157.08	18.64	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.80	4.17	16.5	0.84	12.47	1 : 1.0028	39.02	10.73	48.20	187.52	2.85	23-May-20	Last trading day of Apr, Oct
SAMART-W2	1.05	0.68	10.6	1.82	14.80	1 : 1.014	54.43	50.22	34.51	335.43	10.24	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21

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	Market	Black Scholes											
SANKO-W1	0.20	0.15	1.05	1.28	1.00	1 : 1	31.63	14.29	38.63	93.41	5.25	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	8.80	15.99	56.5	0.85	48.48	1 : 1.237	-44.96	1.70	46.19	39.95	7.94	29-May-20	Last trading day of May,Nov
SDC-W1	0.20	0.13	0.34	3.86	0.50	1 : 1	54.27	105.88	69.83	1,731.04	1.70	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.33	N/A	1.55	0.83	13.32	1 : 1.1261	N/A	879.08	42.84	37.81	5.29	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.34	0.01	1.55	5.83	26.64	1 : 1.1261	N/A	1847.54	42.84	37.81	5.13	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.57	0.64	1.55	1.96	1.00	1 : 1	-10.24	1.29	42.84	43.69	2.72	08-Jul-21	9 Jul 2021
SINGER-W1	3.24	3.09	9.4	1.76	7.00	1 : 1	4.98	8.94	46.33	65.75	2.90	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	2.20	2.08	9.4	3.75	14.00	1 : 1	5.65	72.34	46.33	65.75	4.27	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.42	0.16	1.83	0.85	2.10	1 : 1	167.82	37.70	41.45	209.12	4.36	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.02	0	0.13	0.10	0.20	1 : 1	N/A	69.23	80.75	84.40	6.50	29-Aug-19	Last trading day of each month
SST-W2	1.55	0.05	4.92	2.19	10.00	1 : 1	3072.3	134.76	27.21	30.39	3.17	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.66	0.34	4.02	0.59	4.00	1 : 1	96.24	15.92	38.83	135.45	6.09	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.06	0.01	0.76	1.11	2.50	1 : 1	N/A	236.84	60.41	5,469.68	12.67	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.38	0.33	4.26	0.68	4.44	1 : 1	323.63	36.62	28.98	31.00	3.09	26-Mar-20	15 of Jul
SWC-W1	4.16	1.41	5.55	2.72	1.00	1 : 1	195.91	-7.03	41.38	149.99	1.33	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.11	0	0.6	1.52	1.88	1 : 1.07	N/A	247.88	29.90	400.00	5.84	28-Jan-21	Last trading day of Dec
TCC-W3	0.10	0.08	0.34	2.70	0.81	1 : 1.23886	28.95	206.60	67.18	92.20	4.21	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.11	0.08	0.34	3.81	0.90	1 : 1.10801	36.44	219.32	67.18	369.34	3.42	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.20	0.21	0.34	8.85	0.50	1 : 1	-4.05	105.88	67.18	98.41	1.70	24-May-28	Last trading day of Jul
TCJ-W2	0.58	0	4.92	0.87	9.80	1 : 1.02	N/A	113.28	27.94	31.53	8.65	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.12	0.01	2.44	0.36	4.00	1 : 1	920.9	68.85	49.10	254.40	20.33	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.94	0.01	4.7	0.82	9.50	1 : 1	9010.86	122.13	34.90	510.81	5.00	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.02	0.02	0.12	4.17	0.50	1 : 1	-1.42	333.33	71.32	1,944.51	6.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	2.22	0.74	3.50	4 : 1	N/A	58.56	42.26	2,191.76	111.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.17	0.03	0.74	0.90	1.00	1 : 1	482.67	58.11	38.20	321.67	4.35	16-Jun-20	Last Trading of June

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	Market	Black Scholes											
TNITY-W1	0.59	0.14	4.54	1.66	5.00	1 : 1	315.99	23.13	21.14	97.28	7.69	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.23	0.14	0.36	1.85	0.25	1 : 1.00027	69.57	33.32	59.14	1,606.61	1.57	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	1.14	1.39	10.3	1.94	18.00	1 : 1	-17.8	85.83	57.56	112.00	9.04	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.48	0.29	1.36	1.70	1.00	1 : 1.002	66.88	8.69	32.77	162.48	2.84	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.01	0.01	0.08	0.53	0.10	1 : 1	-12.56	37.50	93.17	2,289.87	8.00	31-Jan-20	30 Jan 20
UAC-W2	0.69	0	3.14	0.94	5.55	1 : 1	N/A	98.73	21.94	66.76	4.55	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.50	0.14	0.6	0.65	0.50	1 : 1	263.97	66.67	51.76	103.01	1.20	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	1.99	0.29	6.00	1 : 0.01	N/A	2.02	249.22	180,628.31	1.99	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	1.99	3.65	6.00	1 : 0.01	N/A	2.02	249.22	141,895.49	1.99	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	1.61	1.73	9.9	3.14	10.00	1 : 1	-6.76	17.27	27.77	1,711.33	6.15	10-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	1.10	1	2.04	0.90	1.00	1 : 1.00086	9.94	2.89	19.71	426.70	1.86	14-Jun-20	30th of Sep
VIBHA-W3	0.33	0.05	2.04	2.90	3.00	1 : 1.00086	501.64	63.14	19.71	1,011.78	6.19	14-Jun-22	30 Sep of each year
WAVE-W1	0.45	0	1.71	0.80	6.00	1 : 1	N/A	277.19	35.69	42.12	3.80	08-May-20	Last trading day of June, Dec
WHA-W1	12.60	13.59	4.74	0.62	3.42	1 : 10.2396	-7.3	2436.36	25.60	79.06	3.85	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.22	N/A	1.59	2.45	4.22	1 : 1.185	N/A	212.48	30.28	124.97	8.56	02-Jan-22	Last Business Day of December of each year.
WORK-W1	9.80	0.32	29	0.19	38.10	1 : 1	2943.72	65.17	47.76	3.42	2.96	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.12	N/A	0.92	4.74	2.70	1 : 2	N/A	413.04	20.01	413.03	15.33	17-Apr-24	Last trading day of Mar, June, Sept, Dec