

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	SP	0.01	0	1.32	0.05	3.49	1 : 1.00237	N/A	165.67	43.22	781.89	132.31	03-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1		0.04	N/A	0.19	0.35	1.53	1 : 1.30972	N/A	949.20	76.71	749.96	6.22	20-Nov-19	Last trading day of Mar, Sept
AKR-W1		0.16	0.1	0.8	1.88	1.00	1 : 1	56.38	45.00	46.46	671.57	5.00	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1		0.67	0.29	2.94	1.43	3.00	1 : 1	130	24.83	23.72	230.98	4.39	18-Dec-20	15th of Mar, Sep
APEX-W1		0.03	0.02	0.19	1.96	0.40	1 : 1	85.99	126.32	52.83	499.97	6.33	30-Jun-21	Last trading day of June, Dec
APURE-W2		0.17	0.64	1.4	1.89		1 : 1	-73.29		27.84	95.83	8.24	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1		0.05	0.01	0.74	0.83	2.00	1 : 1	N/A	177.03	56.00	102.47	14.80	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1		4.78	5.42	42	0.82	39.00	1 : 1	-11.88	4.24	31.65	78.56	8.79	08-May-20	15th of Jun, Dec
B52-W1		0.01	0	0.22	0.16	2.28	1 : 0.657	N/A	619.07	81.33	658.50	14.45	10-Sep-19	Last trading day of June, Dec
B52-W2		0.01	0	0.22	0.89	7.10	1 : 0.211	N/A	661.10	81.33	1,756.00	4.64	05-Jun-20	Last trading day of June, Dec
BKD-W2		0.16	0.06	2.86	3.38	3.97	1 : 1.00731	165.23	44.77	20.57	358.73	18.01	30-Nov-22	Last trading day of Nov
BM-W1		0.19	0	2.06	1.08	4.00	1 : 1	N/A	103.40	29.37	110.00	10.84	14-Aug-20	16 Aug 2020
BROOK-W5		0.24	0.15	0.5	2.85	0.25	1 : 1	64.76	-2.00	32.72	1,407.54	2.08	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4		2.04	2	12.6	0.38	10.50	1 : 1	2.12	-0.48	17.90	611.53	6.18	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3		0.01	0	0.59	1.46	6.53	1 : 0.09188	N/A	92.66	54.56	3,437.23	5.42	28-Dec-20	30 of Nov
B-W4		0.13	0.06	0.59	1.96	1.20	1 : 1	116.61	125.42	54.56	96.85	4.54	01-Jul-21	Last trading day of June, Dec
CGD-W4		0.15	0	1.06	1.95	2.75	1 : 1	N/A	173.58	29.68	1,652.87	7.07	26-Jun-21	Last trading day of June, Dec
CGH-W3		0.02	0.01	0.93	1.87	2.00	1 : 1	87.29	117.20	33.30	1,445.62	46.50	28-May-21	Last trading day of May, Nov
CHEWA-W1		0.01	0	0.8	0.37	1.75	1 : 1	N/A	120.00	33.31	467.34	80.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CI-W1		0.15	0	1.27	0.87	2.16	1 : 1.0172	N/A	83.52	21.95	98.86	8.61	29-May-20	Last trading day of May, Nov
CKP-W1		1.51	1.22	7.05	0.87	6.00	1 : 1.0007	23.69	6.53	28.11	1,276.18	4.67	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1		1.08	0.09	2	0.97	3.00	1 : 1	1055.27	104.00	43.43	60.63	1.85	02-Jul-20	15th of Jan, Jul
DCC-W1		0.81	0.71	2.14	1.82	1.15	1 : 1	13.97	-8.41	33.46	1,907.75	2.64	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DIMET-W2	SP	0.01	0	0.66	0.01	1.15	1 : 1	N/A	75.76	54.70	268.95	66.00	20-Jul-19	Last trading day of Aug ,Nov, Feb, Jul
EARTH-W4		0.01	0.01	0.53	0.17	6.86	1 : 1.02	N/A	1220.34	277.05	1,409.63	54.06	15-Sep-19	15th of Mar, Sep

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ECF-W3	1.23	0.28	2.44	1.61	5.00	1 : 1.0008	346.81	155.28	65.99	129.95	1.99	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.59	0.22	1.77	1.56	1.85	1 : 1	162.24	37.85	38.28	554.43	3.00	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0	0.04	0.88	0.60	1 : 1	N/A	1425.00	175.52	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0	0.04	0.88	0.50	1 : 1	N/A	1175.00	175.52	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	N/A	0.04	1.01	1.00	1 : 2.32054	N/A	5627.31	168.89	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.02	0.02	0.04	1.92	1.00	1 : 2.32054	6.32	5685.32	168.89	16.42	4.64	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.15	0.11	0.25	4.25	0.15	1 : 1	32.53	20.00	71.63	4,216.75	1.67	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.65	0.38	3.56	1.42	4.83	1 : 1.0361	69.06	55.76	48.52	85.54	5.67	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.02	0	0.3	1.44	1.41	1 : 1.065	N/A	400.44	61.67	347.00	15.98	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.02	0	0.3	1.44	2.00	1 : 1	N/A	573.33	61.67	261.75	15.00	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.29	0.01	0.6	0.95	0.96	1 : 1.04545	2159.48	112.73	38.36	138.79	2.16	26-Jun-20	Last Trading of June
GJS-W3	0.01	0.01	0.18	0.57	0.17	1 : 0.5	N/A	-0.89	69.50	3,674.43	9.00	07-Feb-20	Last trading day of June, Dec
GSTEEL-W1	0.00	0	0.08	0.20	2.75	1 : 0.2	N/A	667.50	91.49	5,676.19		26-Sep-19	Last trading day of June, Dec
GSTEEL-W2	0.00	0	0.08	0.20	2.75	1 : 0.2	N/A	667.50	91.49	1,348.65		26-Sep-19	Last trading day of June, Dec
HPT-W1	0.50	0.28	0.75	1.89	0.50	1 : 1	77.9	33.33	50.13	110.50	1.50	04-Jun-21	Last trading day of June, Dec
IHL-W1	1.34	1.29	4.9	0.24	3.50	1 : 1	3.81	-1.22	37.23	13.04	3.66	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.63	0.22	3.44	1.85	5.00	1 : 1	182.07	63.66	36.77	249.99	5.46	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	4.80	3.67	7.6	0.98	3.61	1 : 1.192	30.68	12.63	33.11	1,304.56	1.89	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.23	0	1.32	0.96	3.50	1 : 1	N/A	182.58	27.34	241.12	5.74	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	2.18	0.53	9.8	0.82	15.00	1 : 1	313.84	75.31	53.62	108.00	4.50	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.62	2.96	18.5	2.12	18.62	1 : 1.02031	22.46	20.64	38.60	222.00	5.21	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.91	0.02	1.08	2.91	2.00	1 : 1	3708.86	169.44	24.70	156.48	1.19	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	1.44	0.53	5.8	2.78	4.00	2 : 1	173.03	-6.21	28.81	157.10	4.03	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.27	0.08	1.62	2.12	2.10	1 : 1	244.27	46.30	26.28	1,375.54	6.00	27-Aug-21	Last trading day of Mar, June, Sept, Dec
MILL-W3	0.01	N/A	0.91	0.44	2.73	1 : 1.099	N/A	221.25	29.82	625.70	100.01	21-Dec-19	Last trading day of June, Dec

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	Market	Black Scholes											
MILL-W4	0.08	0.01	0.91	2.99	2.00	1 : 1.099	435.62	141.66	29.82	405.44	12.50	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.03	0	0.91	0.99	1.75	1 : 1.03	N/A	98.25	29.82	905.04	31.24	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	5.55	5.7	41	2.21	43.00	1 : 1	-2.65	18.41	25.23	230.94	7.39	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.14	0.02	1.9	0.26	2.46	1 : 1.015	807.05	37.61	38.20	1,352.35	13.78	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.06	N/A	1.19	0.39	2.40	1 : 1.5	N/A	160.08	33.66	64.88	29.75	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.01	0	0.28	0.16	0.55	1 : 1	N/A	100.00	58.54	208.41	28.00	13-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.91	0.02	1 : 1	N/A	160.00	397.41	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.78	0.87	4.14	2.42	6.48	1 : 1.00255	104.18	99.86	59.85	108.78	2.33	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.19	N/A	2.42	0.87	3.19	1 : 1.5695	N/A	61.98	33.29	127.75	19.99	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.66	0.47	1.04	2.52	0.50	1 : 1	39.49	11.54	65.59	749.60	1.58	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.17	0	0.39	0.60	1.00	1 : 1	N/A	200.00	67.65	693.94	2.29	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.22	0.04	2.98	2.00	7.86	1 : 1.018	452.27	174.22	43.06	276.12	13.79	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.57	0.48	1.26	2.59	1.00	1 : 1	19.99	24.60	81.84	603.22	2.21	13-Feb-22	13 Feb 2022
ORI-W1	1.24	0.86	9.45	1.21	13.33	1 : 1	44.91	54.21	55.00	609.86	7.62	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.19	3.61	2.00	1 : 1	N/A	963.16	63.26	2,460.22	9.50	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.88	0.01	9.35	1.83	33.00	1 : 1	7609.6	262.35	35.66	75.33	10.63	14-May-21	15 May, 15 Nov
PDJ-W3	0.60	0.61	1.63	0.57	1.00	1 : 1	-2.4	-1.84	32.70	25.59	2.72	07-Feb-20	7 Feb 20
PDJ-W4	0.65	0.63	1.63	1.57	1.00	1 : 1	3.52	1.23	32.70	51.19	2.51	07-Feb-21	7 Feb 21
PERM-W1	0.41	0.21	1.15	2.93	1.80	1 : 1	91.44	92.17	54.15	250.00	2.80	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	1.87	0.79	5.25	2.87	6.50	1 : 1	138.06	59.43	34.95	46.00	2.81	27-May-22	Last trading day of June, Dec
PROUD-W2	0.60	0.36	1.58	0.98	1.53	1 : 1.174	66.57	41.09	48.46	31.68	3.09	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.08	N/A	1.38	0.97	2.25	1 : 1.22449	N/A	83.94	26.55	157.08	21.12	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.70	4.01	16.2	0.86	12.47	1 : 1.0028	42.31	12.17	48.18	187.52	2.85	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.99	0.56	10.1	1.84	14.80	1 : 1.014	78.13	57.13	34.67	335.43	10.34	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.22	0.15	1.04	1.30	1.00	1 : 1	49.58	17.31	38.62	93.41	4.73	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20

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	Market	Black Scholes											
SAWAD-W1	8.40	14.7	55	0.87	48.48	1 : 1.237	-42.86	4.22	46.19	39.95	8.10	29-May-20	Last trading day of May,Nov
SDC-W1	0.21	0.13	0.34	3.88	0.50	1 : 1	61.93	108.82	69.71	1,731.04	1.62	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.38	N/A	1.54	0.85	13.32	1 : 1.1261	N/A	889.18	42.72	37.81	4.56	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.38	0.01	1.54	5.85	26.64	1 : 1.1261	N/A	1863.19	42.72	37.81	4.56	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.66	0.63	1.54	1.98	1.00	1 : 1	5.21	7.79	42.72	43.69	2.33	08-Jul-21	9 Jul 2021
SINGER-W1	3.10	2.78	8.95	1.78	7.00	1 : 1	11.52	12.85	46.27	65.75	2.89	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.99	1.87	8.95	3.77	14.00	1 : 1	6.2	78.66	46.27	65.75	4.50	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.44	0.2	1.93	0.87	2.10	1 : 1	117.57	31.61	41.58	209.12	4.39	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.02	0	0.13	0.12	0.20	1 : 1	N/A	69.23	79.05	84.40	6.50	29-Aug-19	Last trading day of each month
SST-W2	1.57	0.04	4.84	2.21	10.00	1 : 1	3493.74	139.05	27.16	30.39	3.08	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.79	0.32	3.88	0.61	4.00	1 : 1	150.77	23.45	40.76	135.45	4.91	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.06	0.01	0.75	1.13	2.50	1 : 1	N/A	241.33	60.01	5,469.68	12.50	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.09	0.34	4.28	0.70	4.44	1 : 1	225.07	29.21	29.03	31.00	3.93	26-Mar-20	15 of Jul
S-W1	SP	N/A	3.6	0.00	15.00	1 : 1	N/A	316.94	28.28	1,632.95	360.00	16-Jul-19	15th Jan 18, 16 Jul 18, 15 Jan 19, 15 Jul 19
SWC-W1	4.22	1.31	5.4	2.73	1.00	1 : 1	221.8	-3.33	41.31	149.99	1.28	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.12	0	0.62	1.54	1.88	1 : 1.07	N/A	238.16	30.41	400.00	5.53	28-Jan-21	Last trading day of Dec
TCC-W3	0.10	0.08	0.34	2.72	0.81	1 : 1.23886	28.83	206.60	67.13	92.20	4.21	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.10	0.08	0.34	3.83	0.90	1 : 1.10801	23.96	216.06	67.13	369.34	3.77	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.20	0.21	0.34	8.87	0.50	1 : 1	-4.07	105.88	67.13	98.41	1.70	24-May-28	Last trading day of Jul
TCJ-W2	0.64	0	4.96	0.89	9.80	1 : 1.02	N/A	112.78	27.94	31.53	7.91	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.13	0.02	2.5	0.38	4.00	1 : 1	656.55	65.20	49.04	254.40	19.23	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.99	0.02	5	0.84	9.50	1 : 1	5335.94	109.80	34.44	510.81	5.05	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.02	0.02	0.12	4.19	0.50	1 : 1	0.19	333.33	70.67	1,944.51	6.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	2.16	0.76	3.50	4 : 1	N/A	62.96	42.26	2,191.76	108.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.16	0.03	0.74	0.92	1.00	1 : 1	447.41	56.76	38.16	321.67	4.63	16-Jun-20	Last Trading of June

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TNITY-W1	0.61	0.14	4.58	1.68	5.00	1 : 1	337.5	22.49	21.47	97.28	7.51	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.20	0.13	0.35	1.87	0.25	1 : 1.00027	55.22	28.56	59.47	1,606.61	1.75	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	1.16	1.25	9.9	1.96	18.00	1 : 1	-7.37	93.54	57.26	112.00	8.53	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.51	0.34	1.44	1.72	1.00	1 : 1.002	50.48	4.73	32.84	162.51	2.83	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.02	0.01	0.08	0.55	0.10	1 : 1	64.37	50.00	93.35	2,289.87	4.00	31-Jan-20	30 Jan 20
UAC-W2	0.74	0	3.22	0.96	5.55	1 : 1	N/A	95.34	21.92	66.76	4.35	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.51	0.14	0.6	0.67	0.50	1 : 1	261.99	68.33	52.04	103.01	1.18	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2	0.31	6.00	1 : 0.01	N/A	2.01	250.05	180,628.31	2.00	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2	3.67	6.00	1 : 0.01	N/A	2.01	250.05	141,895.49	2.00	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	1.43	1.67	9.8	3.16	10.00	1 : 1	-14.61	16.63	27.78	1,711.33	6.85	10-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	1.15	1.02	2.06	0.92	1.00	1 : 1.00086	12.78	4.32	19.69	426.70	1.79	14-Jun-20	30th of Sep
VIBHA-W3	0.34	0.05	2.06	2.92	3.00	1 : 1.00086	541.55	62.04	19.69	1,011.78	6.06	14-Jun-22	30 Sep of each year
WAVE-W1	0.50	0	1.71	0.82	6.00	1 : 1	N/A	280.12	35.52	42.12	3.42	08-May-20	Last trading day of June, Dec
WHA-W1	12.10	12.78	4.66	0.64	3.42	1 : 10.2396	-5.33	2385.89	25.54	79.06	3.94	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.19	0	1.54	2.47	4.22	1 : 1.185	N/A	220.92	29.91	124.97	9.60	02-Jan-22	Last Business Day of December of each year.
WORK-W1	11.00	0.57	30.25	0.21	38.10	1 : 1	1818.76	62.31	47.70	3.42	2.75	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.13	N/A	0.92	4.76	2.70	1 : 2	N/A	415.22	20.09	413.03	14.15	17-Apr-24	Last trading day of Mar, June, Sept, Dec