

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	N/A	1.34	0.01	3.49	1 : 1.00237	N/A	161.71	43.51	781.89	134.32	03-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1		0.05	N/A	0.21	0.30	1.53	1 : 1.30972	N/A	852.57	77.30	749.96	5.50	20-Nov-19	Last trading day of Mar, Sept
AKR-W1		0.19	0.1	0.8	1.83	1.00	1 : 1	90.12	48.75	46.41	671.57	4.21	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1		0.62	0.24	2.82	1.38	3.00	1 : 1	163.54	28.37	23.77	230.98	4.55	18-Dec-20	15th of Mar,Sept
APEX-W1		0.02	0.02	0.19	1.92	0.40	1 : 1	24.36	121.05	53.48	499.97	9.50	30-Jun-21	Last trading day of June, Dec
APURE-W2		0.17	0.62	1.36	1.84		1 : 1	-72.5		27.49	95.83	8.00	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1		0.09	0.01	0.75	0.79	2.00	1 : 1	N/A	178.67	56.11	102.47	8.33	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1		4.24	4.9	41.75	0.77	39.00	1 : 1	-13.5	3.57	29.95	78.56	9.85	08-May-20	15th of Jun, Dec
B52-W1		0.01	0	0.2	0.11	2.28	1 : 0.657	N/A	687.55	82.03	658.50	13.14	10-Sep-19	Last trading day of June, Dec
B52-W2		0.01	0	0.2	0.85	7.10	1 : 0.211	N/A	729.32	82.03	1,756.00	4.22	05-Jun-20	Last trading day of June, Dec
BKD-W2		0.19	0.03	2.84	3.33	3.97	1 : 1.00731	503.36	46.85	17.82	358.73	15.06	30-Nov-22	Last trading day of Nov
BM-W1		0.23	0.01	2.36	1.04	4.00	1 : 1	1690.79	79.24	30.29	110.00	10.26	14-Aug-20	16 Aug 2020
BROOK-W5		0.29	0.16	0.52	2.80	0.25	1 : 1	80.37	3.85	33.13	1,407.54	1.79	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4		2.02	1.94	12.4	0.33	10.38	1 : 1.011	4.25	0.03	18.43	611.53	6.21	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3		0.01	0	0.53	1.41	6.53	1 : 0.09188	N/A	104.19	54.78	3,437.23	4.87	28-Dec-20	30 of Nov
B-W4		0.10	0.04	0.53	1.92	1.20	1 : 1	136.97	145.28	54.78	96.85	5.30	01-Jul-21	Last trading day of June, Dec
CGD-W4		0.14	0	1.05	1.90	2.75	1 : 1	N/A	175.24	29.57	1,652.87	7.50	26-Jun-21	Last trading day of June, Dec
CGH-W3		0.03	0.01	0.87	1.82	2.00	1 : 1	N/A	133.33	33.65	1,445.62	29.00	28-May-21	Last trading day of May,Nov
CHEWA-W1		0.04	0	0.8	0.32	1.75	1 : 1	N/A	123.75	33.09	467.34	20.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CHO-W2		0.27	0.14	0.94	1.42	0.86	1 : 1	93.96	20.21	34.39	649.42	3.48	30-Dec-20	Last trading day of June, Dec
CI-W1		0.13	0	1.24	0.83	2.16	1 : 1.0172	N/A	86.36	22.16	98.86	9.70	29-May-20	Last trading day of May,Nov
CKP-W1		1.15	0.98	6.7	0.82	6.00	1 : 1.0007	16.84	6.72	28.29	1,276.18	5.83	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1		1.21	0.1	2	0.92	3.00	1 : 1	1122.27	110.50	44.32	60.63	1.65	02-Jul-20	15th of Jan, Jul
DCC-W1		0.83	0.77	2.22	1.77	1.15	1 : 1	7.48	-10.81	33.49	1,907.75	2.67	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1		2.46	2.3	12.3	1.93	15.75	1 : 1	6.9	48.05	69.06	182.22	5.00	07-Jul-21	Last trading day of May,Nov

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	Market	Black Scholes											
EARTH-W4	0.01	0	0.46	0.12	6.86	1 : 1.02	N/A	1421.57	237.11	1,409.63	46.92	15-Sep-19	15th of Mar, Sep
ECF-W3	1.30	0.25	2.42	1.56	5.00	1 : 1.0008	412.25	160.29	65.56	129.95	1.86	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.62	0.2	1.71	1.52	1.85	1 : 1	208.34	44.44	38.61	554.43	2.76	05-Feb-21	Last Business Day of every six month from the is
EFORL-W3	0.01	0	0.04	0.84	0.60	1 : 1	N/A	1425.00	182.20	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.04	0.84	0.50	1 : 1	N/A	1175.00	182.20	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	N/A	0.05	0.96	1.00	1 : 2.32054	N/A	4455.44	174.45	190.75	11.60	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.01	0.03	0.05	1.88	1.00	1 : 2.32054	-66.39	4455.44	174.45	16.42	11.60	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.14	0.1	0.23	4.21	0.15	1 : 1	41.66	26.09	68.15	4,216.75	1.64	15-Oct-23	15th of Apr, Oct
EPCO-W3	0.62	0.36	3.6	1.38	4.83	1 : 1.0361	70.93	53.13	47.32	85.54	6.02	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.06	0.01	0.41	1.39	1.08	1 : 1.3946	327.93	246.67	63.86	347.00	9.53	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.05	0.01	0.41	1.39	1.53	1 : 1.3095	N/A	372.82	63.86	261.75	10.74	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.27	0.01	0.57	0.90	0.96	1 : 1.04545	N/A	120.50	37.70	138.79	2.21	26-Jun-20	Last Trading of June
GJS-W3	0.01	0.01	0.16	0.52	0.17	1 : 0.5	N/A	5.25	71.28	3,674.43	8.00	07-Feb-20	Last trading day of June, Dec
GSTEEL-W1	0.01	0	0.09	0.15	2.75	1 : 0.2	N/A	593.33	110.49	5,676.19	1.80	26-Sep-19	Last trading day of June, Dec
GSTEEL-W2	0.01	0	0.09	0.15	2.75	1 : 0.2	N/A	593.33	110.49	1,348.65	1.80	26-Sep-19	Last trading day of June, Dec
HPT-W1	0.49	0.28	0.75	1.84	0.50	1 : 1	75.5	32.00	50.03	110.50	1.53	04-Jun-21	Last trading day of June, Dec
IHL-W1	2.22	1.54	5.15	0.19	3.50	1 : 1	43.7	11.07	38.25	13.04	2.32	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.58	0.25	3.54	1.81	5.00	1 : 1	131.75	57.63	36.88	249.99	6.10	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	3.68	2.39	6.3	0.93	3.61	1 : 1.192	53.83	18.64	36.55	1,304.56	2.04	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.31	0	1.47	0.92	3.50	1 : 1	N/A	159.18	27.98	241.12	4.74	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.80	0.2	8.2	0.78	15.00	1 : 1	788.05	104.88	53.80	108.00	4.56	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.52	3.1	19	2.07	18.62	1 : 1.02031	13.5	16.87	38.32	222.00	5.51	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.81	0.02	1.03	2.86	2.00	1 : 1	4337.84	172.82	24.55	156.48	1.27	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	1.49	0.53	5.8	2.73	4.00	2 : 1	178.95	-5.34	29.28	157.10	3.89	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.25	0.07	1.56	2.07	2.10	1 : 1	265.37	50.64	26.68	1,375.54	6.24	27-Aug-21	Last trading day of Mar, June, Sept, Dec

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	Market	Black Scholes											
MILL-W3	0.01	N/A	0.85	0.39	2.73	1 : 1.099	N/A	244.62	29.69	625.70	93.42	21-Dec-19	Last trading day of June, Dec
MILL-W4	0.07	0.01	0.85	2.95	2.00	1 : 1.099	N/A	158.13	29.69	405.44	13.35	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.03	0	0.85	0.94	1.75	1 : 1.03	N/A	112.45	29.69	905.04	29.18	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	5.50	5.29	40.25	2.17	43.00	1 : 1	3.95	20.50	25.59	230.94	7.32	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.12	0	1.8	0.21	2.46	1 : 1.015	N/A	44.21	37.89	1,352.35	15.23	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.12	N/A	1.24	0.35	2.40	1 : 1.5	N/A	154.84	33.51	64.88	15.50	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.01	0	0.28	0.12	0.55	1 : 1	N/A	100.00	58.73	208.41	28.00	13-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.87	0.02	1 : 1	N/A	160.00	381.17	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.91	0.67	3.74	2.37	6.48	1 : 1.00255	186.84	124.74	59.19	108.78	1.96	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.19	N/A	2.36	0.83	3.19	1 : 1.5695	N/A	67.55	33.38	127.75	19.49	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.62	0.48	1.07	2.47	0.50	1 : 1	27.89	4.67	62.05	749.60	1.73	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.17	0	0.38	0.55	1.00	1 : 1	N/A	207.89	67.48	693.94	2.24	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.20	0.02	2.8	1.96	7.86	1 : 1.018	744.31	191.24	42.82	276.12	14.25	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.59	0.51	1.34	2.54	1.00	1 : 1	16.39	18.66	79.06	603.22	2.27	13-Feb-22	13 Feb 2022
ORI-W1	0.99	0.53	8.15	1.17	13.33	1 : 1	86.97	75.75	56.31	609.86	8.23	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.22	3.56	2.00	1 : 1	N/A	818.18	64.13	2,460.22	11.00	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	1.08	0.02	9.75	1.79	33.00	1 : 1	6994.2	249.54	35.94	75.33	9.03	14-May-21	15 May, 15 Nov
PDJ-W3	0.55	0.53	1.54	0.52	1.00	1 : 1	3.9	0.65	32.51	25.59	2.80	07-Feb-20	7 Feb 20
PDJ-W4	0.55	0.55	1.54	1.52	1.00	1 : 1	-0.03	0.65	32.51	51.19	2.80	07-Feb-21	7 Feb 21
PERM-W1	0.34	0.19	1.11	2.88	1.80	1 : 1	77.53	92.79	53.70	250.00	3.26	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	1.36	0.53	4.74	2.82	6.50	1 : 1	154.57	65.82	33.77	46.00	3.49	27-May-22	Last trading day of June, Dec
PROUD-W2	0.57	0.28	1.48	0.93	1.53	1 : 1.174	100.97	49.42	48.47	31.68	3.05	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.07	N/A	1.34	0.92	2.25	1 : 1.22449	N/A	89.19	25.02	157.08	23.44	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.40	3.8	16	0.81	12.47	1 : 1.0028	42.13	11.69	47.86	187.52	2.97	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.90	0.53	10.1	1.79	14.80	1 : 1.014	70.52	56.22	34.40	335.43	11.38	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21

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	Market	Black Scholes											
SANKO-W1	0.22	0.13	1.02	1.25	1.00	1 : 1	70.36	19.61	36.23	93.41	4.64	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	8.60	14.17	54.75	0.83	48.48	1 : 1.237	-39.29	5.26	46.05	39.95	7.88	29-May-20	Last trading day of May,Nov
SDC-W1	0.16	0.12	0.32	3.84	0.50	1 : 1	35.79	106.25	69.83	1,731.04	2.00	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.31	N/A	1.52	0.80	13.32	1 : 1.1261	N/A	897.18	42.70	37.81	5.52	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.29	0.01	1.52	5.80	26.64	1 : 1.1261	N/A	1882.52	42.70	37.81	5.90	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.64	0.61	1.52	1.94	1.00	1 : 1	5.35	7.89	42.70	43.69	2.38	08-Jul-21	9 Jul 2021
SINGER-W1	2.72	2.53	8.55	1.73	7.00	1 : 1	7.47	13.68	46.61	65.75	3.14	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	2.00	1.69	8.55	3.72	14.00	1 : 1	18.24	87.13	46.61	65.75	4.28	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.42	0.16	1.85	0.83	2.10	1 : 1	156.35	36.22	41.45	209.12	4.40	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.02	0	0.14	0.08	0.20	1 : 1	N/A	57.14	80.42	84.40	7.00	30-Aug-19	Last trading day of each month
SST-W2	1.56	0.03	4.64	2.17	10.00	1 : 1	4707.08	149.14	27.46	30.39	2.97	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.48	0.26	3.82	0.56	4.00	1 : 1	83.48	17.28	39.03	135.45	7.96	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.06	0.01	0.71	1.08	2.50	1 : 1	N/A	260.56	60.84	5,469.68	11.83	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.19	0.22	4.02	0.65	4.44	1 : 1	434	40.05	29.08	31.00	3.38	26-Mar-20	15 of Jul
SWC-W1	3.98	1.22	5.2	2.69	1.00	1 : 1	226.75	-4.23	41.44	149.99	1.31	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.11	N/A	0.58	1.50	1.88	1 : 1.07	N/A	260.12	29.14	400.00	5.64	28-Jan-21	Last trading day of Dec
TCC-W3	0.09	0.08	0.34	2.67	0.81	1 : 1.23886	16.22	202.95	67.73	92.20	4.68	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.09	0.08	0.34	3.79	0.90	1 : 1.10801	11.72	212.80	67.73	369.34	4.19	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.20	0.21	0.34	8.82	0.50	1 : 1	-4.77	105.88	67.73	98.41	1.70	24-May-28	Last trading day of Jul
TCJ-W2	0.63	0	4.98	0.85	9.80	1 : 1.02	N/A	111.71	27.54	31.53	8.06	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.18	0.02	2.6	0.33	4.00	1 : 1	924.12	60.77	49.39	254.40	14.44	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.77	0	4.32	0.80	9.50	1 : 1	N/A	137.73	35.91	510.81	5.61	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.02	0.02	0.11	4.14	0.50	1 : 1	11.64	372.73	72.38	1,944.51	5.50	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	2.34	0.71	3.50	4 : 1	N/A	50.43	42.63	2,191.76	117.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.17	0.03	0.75	0.88	1.00	1 : 1	444.39	56.00	38.63	321.67	4.41	16-Jun-20	Last Trading of June

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	Market	Black Scholes											
TNITY-W1	0.55	0.09	4.32	1.63	5.00	1 : 1	504.1	28.47	21.26	97.28	7.85	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.22	0.14	0.36	1.82	0.25	1 : 1.00027	58.62	30.54	59.40	1,606.61	1.64	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	1.06	1.53	10.8	1.91	18.00	1 : 1	-30.6	76.48	57.76	112.00	10.19	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.43	0.28	1.34	1.67	1.00	1 : 1.002	55.9	6.58	32.69	162.48	3.12	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.01	0.01	0.08	0.50	0.10	1 : 1	-8.72	37.50	93.15	2,289.87	8.00	31-Jan-20	30 Jan 20
UAC-W2	0.57	0	3.08	0.92	5.55	1 : 1	N/A	98.70	21.95	66.76	5.40	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.47	0.12	0.57	0.62	0.50	1 : 1	301.06	70.18	51.82	103.01	1.21	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	1.85	0.27	6.00	1 : 0.01	N/A	2.25	241.36	180,628.31	1.85	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	1.85	3.62	6.00	1 : 0.01	N/A	2.25	241.36	141,895.49	1.85	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	1.57	1.57	9.65	3.12	10.00	1 : 1	0.28	19.90	27.64	1,711.33	6.15	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	1.24	1.18	2.22	0.87	1.00	1 : 1.00086	5.51	0.86	20.03	426.70	1.79	14-Jun-20	30th of Sep
VIBHA-W3	0.34	0.09	2.22	2.87	3.00	1 : 1.00086	265.71	50.36	20.03	1,011.78	6.54	14-Jun-22	30 Sep of each year
WAVE-W1	0.46	0	1.86	0.77	6.00	1 : 1	N/A	247.31	36.23	42.12	4.04	08-May-20	Last trading day of June, Dec
WHA-W1	12.50	12.98	4.68	0.59	3.42	1 : 10.2396	-3.67	2458.84	25.52	79.06	3.83	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.21	N/A	1.56	2.42	4.22	1 : 1.185	N/A	218.09	30.41	124.97	8.80	02-Jan-22	Last Business Day of December of each year.
WORK-W1	9.95	0.22	28.5	0.16	38.10	1 : 1	4470.08	68.60	48.47	3.42	2.86	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.11	N/A	0.91	4.72	2.70	1 : 2	N/A	417.58	19.99	413.03	16.55	17-Apr-24	Last trading day of Mar, June, Sept, Dec