

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	N/A	1.33	0.07	3.49	1 : 1.00237	N/A	163.67	43.25	781.89	133.32	03-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1	0.04	N/A	0.21	0.37	1.53	1 : 1.30972	N/A	846.33	76.56	749.96	6.88	20-Nov-19	Last trading day of Mar, Sept
AKR-W1	0.15	0.11	0.82	1.90	1.00	1 : 1	36.98	40.24	46.41	671.57	5.47	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.61	0.31	2.94	1.45	3.00	1 : 1	96.45	22.79	24.43	230.98	4.82	18-Dec-20	15th of Mar, Sep
APEX-W1	0.03	0.01	0.18	1.98	0.40	1 : 1	119.21	138.89	52.71	499.97	6.00	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.11	0.61	1.34	1.91		1 : 1	-81.94		27.76	95.83	12.18	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.05	0	0.73	0.85	2.00	1 : 1	N/A	180.82	55.94	102.47	14.60	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	4.54	5.02	41.25	0.84	39.00	1 : 1	-9.49	5.55	31.87	78.56	9.09	08-May-20	15th of Jun, Dec
B52-W1	0.01	0	0.27	0.18	2.41	1 : 0.622	N/A	495.30	80.31	658.50	16.79	10-Sep-19	Last trading day of June, Dec
B52-W2	0.01	0	0.27	0.91	7.50	1 : 0.2	N/A	536.30	80.31	1,756.00	5.40	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.11	0.06	2.84	3.40	3.97	1 : 1.00731	92.08	44.02	20.59	358.73	26.01	30-Nov-22	Last trading day of Nov
BM-W1	0.16	0	2.08	1.10	4.00	1 : 1	N/A	100.00	29.29	110.00	13.00	14-Aug-20	16 Aug 2020
BROOK-W5	0.25	0.15	0.51	2.87	0.25	1 : 1	63.49	-1.96	32.62	1,407.54	2.04	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	2.04	2	12.6	0.39	10.50	1 : 1	2.02	-0.48	17.97	611.53	6.18	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.51	1.48	6.53	1 : 0.09188	N/A	108.63	52.19	3,437.23	4.69	28-Dec-20	30 of Nov
B-W4	0.09	0.03	0.51	1.98	1.20	1 : 1	170.06	152.94	52.19	96.85	5.67	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.14	0	1.06	1.97	2.75	1 : 1	N/A	172.64	29.67	1,652.87	7.57	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.03	0.01	0.94	1.89	2.00	1 : 1	164.02	115.96	33.29	1,445.62	31.33	28-May-21	Last trading day of May, Nov
CHEWA-W1	0.01	0	0.81	0.39	1.75	1 : 1	N/A	117.28	33.94	467.34	81.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CI-W1	0.15	0	1.28	0.89	2.16	1 : 1.0172	N/A	82.08	21.78	98.86	8.68	29-May-20	Last trading day of May, Nov
CKP-W1	1.13	1.24	7.05	0.89	6.00	1 : 1.0007	-8.84	1.14	28.31	1,276.18	6.24	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	1.06	0.1	2	0.99	3.00	1 : 1	963.8	103.00	43.45	60.63	1.89	02-Jul-20	15th of Jan, Jul
DCC-W1	0.71	0.62	2.02	1.84	1.15	1 : 1	14.13	-7.92	33.37	1,907.75	2.85	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DIMET-W2 <i>SP</i>	0.01	0	0.67	0.03	1.15	1 : 1	N/A	73.13	54.67	268.95	67.00	20-Jul-19	Last trading day of Aug ,Nov, Feb, Jul
EARTH-W4	0.01	0.02	0.77	0.19	6.86	1 : 1.02	-41.28	808.18	258.12	1,409.63	78.54	15-Sep-19	15th of Mar, Sep

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ECF-W3	1.27	0.29	2.5	1.62	5.00	1 : 1.0008	332.12	150.75	66.04	129.95	1.97	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.59	0.24	1.8	1.58	1.85	1 : 1	143.86	35.56	38.18	554.43	3.05	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0.01	0.05	0.90	0.60	1 : 1	N/A	1120.00	173.13	1,377.16	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.05	0.90	0.50	1 : 1	N/A	920.00	173.13	772.51	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	N/A	0.04	1.02	1.00	1 : 2.32054	N/A	5627.31	167.56	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.02	0.02	0.04	1.94	1.00	1 : 2.32054	8.29	5685.32	167.56	16.42	4.64	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.15	0.13	0.28	4.27	0.15	1 : 1	13.08	7.14	74.06	4,216.75	1.87	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.61	0.43	3.68	1.44	4.83	1 : 1.0361	42	49.44	48.41	85.54	6.25	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.03	0	0.31	1.46	1.41	1 : 1.065	N/A	387.52	61.28	347.00	11.01	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.01	0	0.31	1.46	2.00	1 : 1	N/A	548.39	61.28	261.75	31.00	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.28	0.01	0.61	0.97	0.96	1 : 1.04545	1888.3	107.46	38.63	138.79	2.28	26-Jun-20	Last Trading of June
GJS-W3	0.01	0.01	0.17	0.59	0.17	1 : 0.5	N/A	2.00	69.22	3,674.43	8.50	07-Feb-20	Last trading day of June, Dec
GSTEEL-W1	0.00	0	0.09	0.23	2.75	1 : 0.2	N/A	591.11	84.44	5,676.19		29-Sep-19	Last trading day of June, Dec
GSTEEL-W2	0.00	0	0.09	0.22	2.75	1 : 0.2	N/A	591.11	84.44	1,348.65		26-Sep-19	Last trading day of June, Dec
HPT-W1	0.58	0.3	0.77	1.91	0.50	1 : 1	96.38	40.26	49.78	110.50	1.33	04-Jun-21	Last trading day of June, Dec
IHL-W1	1.22	1.24	4.84	0.26	3.50	1 : 1	-1.27	-2.48	37.54	13.04	3.97	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.57	0.23	3.44	1.87	5.00	1 : 1	144.36	61.92	36.78	249.99	6.04	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	4.16	3.36	7.3	0.99	3.61	1 : 1.192	23.8	7.59	33.52	1,304.56	2.09	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.23	0	1.22	0.98	3.50	1 : 1	N/A	205.74	26.95	241.12	5.30	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.59	0.37	9.05	0.84	15.00	1 : 1	327.17	83.31	53.33	108.00	5.69	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.30	2.3	17.2	2.14	18.62	1 : 1.02031	43.19	28.01	38.31	222.00	5.32	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.80	0.02	1.07	2.93	2.00	1 : 1	3110.26	161.68	24.67	156.48	1.34	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	1.08	0.39	5.5	2.80	4.00	2 : 1	174.25	-7.64	27.66	157.10	5.09	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.15	0.06	1.53	2.14	2.10	1 : 1	158.47	47.06	25.94	1,375.54	10.20	27-Aug-21	Last trading day of Mar, June, Sept, Dec
MILL-W3	0.01	N/A	0.94	0.45	2.73	1 : 1.099	N/A	210.68	29.82	625.70	103.31	21-Dec-19	Last trading day of June, Dec

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	Market	Black Scholes											
MILL-W4	0.07	0.02	0.94	3.01	2.00	1 : 1.099	353.62	132.46	29.82	405.44	14.76	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.03	0	0.94	1.01	1.75	1 : 1.03	N/A	91.82	29.82	905.04	32.27	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	5.50	5.84	41.25	2.23	43.00	1 : 1	-5.9	17.58	25.28	230.94	7.50	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.13	0.01	1.86	0.28	2.46	1 : 1.015	977.81	40.05	38.07	1,352.35	14.52	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.07	N/A	1.26	0.41	2.40	1 : 1.5	N/A	144.05	33.52	64.88	27.00	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.01	0	0.29	0.19	0.55	1 : 1	N/A	93.10	57.69	208.41	29.00	15-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.93	0.02	1 : 1	N/A	160.00	401.63	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.69	0.62	3.7	2.44	6.48	1 : 1.00255	170.79	121.21	56.57	108.78	2.19	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.22	N/A	2.4	0.89	3.19	1 : 1.5695	N/A	65.77	33.31	127.75	17.12	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.55	0.45	1	2.54	0.50	1 : 1	22.91	5.00	65.55	749.60	1.82	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.18	0.01	0.4	0.62	1.00	1 : 1	N/A	195.00	67.67	693.94	2.22	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.19	0.04	2.98	2.02	7.86	1 : 1.018	380.49	173.20	43.04	276.12	15.97	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.61	0.5	1.31	2.61	1.00	1 : 1	20.86	22.90	81.82	603.22	2.15	13-Feb-22	13 Feb 2022
ORI-W1	1.02	0.85	9.25	1.23	13.33	1 : 1	20.26	55.17	55.14	609.86	9.07	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.2	3.63	2.00	1 : 1	N/A	910.00	63.17	2,460.22	10.00	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.75	0.02	9.9	1.85	33.00	1 : 1	4339.48	240.91	35.62	75.33	13.20	14-May-21	15 May, 15 Nov
PDJ-W3	0.55	0.63	1.65	0.59	1.00	1 : 1	-13.24	-6.06	32.70	25.59	3.00	07-Feb-20	7 Feb 20
PDJ-W4	0.69	0.65	1.65	1.59	1.00	1 : 1	6.67	2.42	32.70	51.19	2.39	07-Feb-21	7 Feb 21
PORT-W1	1.08	0.76	5.2	2.89	6.50	1 : 1	41.49	45.77	34.76	46.00	4.81	27-May-22	Last trading day of June, Dec
PROUD-W2	0.61	0.39	1.61	1.00	1.53	1 : 1.174	56.81	38.87	48.37	31.68	3.10	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.06	N/A	1.4	0.99	2.25	1 : 1.22449	N/A	79.24	26.54	157.08	28.57	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.80	4.24	16.5	0.88	12.47	1 : 1.0028	36.67	10.73	48.43	187.52	2.85	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.85	0.48	9.75	1.86	14.80	1 : 1.014	78.14	61.36	34.74	335.43	11.63	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.19	0.15	1.05	1.32	1.00	1 : 1	22.79	13.33	39.48	93.41	5.53	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	9.05	16.02	56.25	0.89	48.48	1 : 1.237	-43.52	2.81	46.26	39.95	7.69	29-May-20	Last trading day of May,Nov

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SDC-W1	0.20	0.14	0.35	3.90	0.50	1 : 1	47.35	100.00	69.69	1,731.04	1.75	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.29	N/A	1.52	0.87	13.32	1 : 1.1261	N/A	895.69	42.70	37.81	5.90	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.32	0.01	1.52	5.87	26.64	1 : 1.1261	N/A	1884.74	42.70	37.81	5.35	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.60	0.61	1.52	2.00	1.00	1 : 1	-2.39	5.26	42.70	43.69	2.53	08-Jul-21	9 Jul 2021
SINGER-W1	2.62	2.57	8.6	1.79	7.00	1 : 1	1.94	11.86	46.11	65.75	3.28	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.54	1.69	8.6	3.79	14.00	1 : 1	-8.77	80.70	46.11	65.75	5.58	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.44	0.24	2	0.89	2.10	1 : 1	84.13	27.00	42.24	209.12	4.55	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.02	0	0.14	0.14	0.20	1 : 1	N/A	57.14	78.43	84.40	7.00	29-Aug-19	Last trading day of each month
SST-W2	1.38	0.04	4.84	2.23	10.00	1 : 1	3051.42	135.12	27.08	30.39	3.51	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.40	0.18	3.5	0.62	4.00	1 : 1	118.14	25.71	39.99	135.45	8.75	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.05	0.01	0.7	1.15	2.50	1 : 1	N/A	264.29	59.80	5,469.68	14.00	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.04	0.35	4.3	0.72	4.44	1 : 1	201.43	27.44	29.14	31.00	4.13	26-Mar-20	15 of Jul
S-W1	SP	0	3.56	0.02	15.00	1 : 1	N/A	321.63	28.28	1,632.95	356.00	16-Jul-19	15th Jan 18, 16 Jul 18, 15 Jan 19, 15 Jul 19
SWC-W1	4.10	1.3	5.4	2.75	1.00	1 : 1	214.33	-5.56	41.24	149.99	1.32	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.11	0	0.61	1.56	1.88	1 : 1.07	N/A	242.07	30.08	400.00	5.93	28-Jan-21	Last trading day of Dec
TCC-W3	0.10	0.07	0.33	2.73	0.81	1 : 1.23886	34.24	216.61	67.18	92.20	4.09	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.10	0.08	0.33	3.85	0.90	1 : 1.10801	30.88	225.97	67.18	369.34	3.66	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.19	0.2	0.33	8.88	0.50	1 : 1	-5.79	109.09	67.18	98.41	1.74	24-May-28	Last trading day of Jul
TCJ-W2	0.61	0	4.96	0.91	9.80	1 : 1.02	N/A	112.16	28.13	31.53	8.29	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.11	0.02	2.5	0.40	4.00	1 : 1	451.47	64.40	49.48	254.40	22.73	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.64	0.01	4.88	0.86	9.50	1 : 1	5348.73	107.79	33.77	510.81	7.63	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.02	0.02	0.12	4.21	0.50	1 : 1	-1.52	333.33	70.97	1,944.51	6.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	2	0.78	3.50	4 : 1	N/A	76.00	43.84	2,191.76	100.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.17	0.03	0.74	0.94	1.00	1 : 1	444.44	58.11	38.04	321.67	4.35	16-Jun-20	Last Trading of June
TNITY-W1	0.53	0.16	4.6	1.70	5.00	1 : 1	223.38	20.22	21.53	97.28	8.68	19-Mar-21	Last trading day of Mar, June, Sept, Dec

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TRITN-W3	0.22	0.13	0.35	1.89	0.25	1 : 1.00027	68.66	34.27	60.47	1,606.61	1.59	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	1.03	1.09	9.3	1.98	18.00	1 : 1	-5.66	104.62	57.13	112.00	9.03	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.48	0.28	1.35	1.74	1.00	1 : 1.002	71.38	9.50	32.70	162.51	2.82	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.02	0.01	0.08	0.57	0.10	1 : 1	61.25	50.00	93.35	2,289.87	4.00	31-Jan-20	30 Jan 20
UAC-W2	0.62	0	3.06	0.98	5.55	1 : 1	N/A	101.63	21.77	66.76	4.94	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.48	0.13	0.59	0.68	0.50	1 : 1	257.9	66.10	52.08	103.01	1.23	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.06	0.33	6.00	1 : 0.01	N/A	1.92	250.03	180,628.31	2.06	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.06	3.69	6.00	1 : 0.01	N/A	1.92	250.03	141,895.49	2.06	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	1.01	1.5	9.4	3.18	10.00	1 : 1	-32.67	17.13	27.90	1,711.33	9.31	10-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.89	0.84	1.87	0.94	1.00	1 : 1.00086	6.54	1.02	19.30	426.70	2.10	14-Jun-20	30th of Sep
VIBHA-W3	0.15	0.03	1.87	2.94	3.00	1 : 1.00086	464.67	68.35	19.30	1,011.78	12.48	14-Jun-22	30 Sep of each year
WAVE-W1	0.33	0	1.73	0.84	6.00	1 : 1	N/A	265.90	35.70	42.12	5.24	08-May-20	Last trading day of June, Dec
WHA-W1	12.40	12.98	4.68	0.66	3.42	1 : 10.2396	-4.45	2436.96	25.44	79.06	3.86	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.16	0	1.55	2.49	4.22	1 : 1.185	N/A	216.43	29.89	124.97	11.48	02-Jan-22	Last Business Day of December of each year.
WORK-W1	11.80	0.86	31.25	0.23	38.10	1 : 1	1265.34	59.68	47.43	3.42	2.65	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.12	N/A	0.91	4.78	2.70	1 : 2	N/A	419.78	20.08	413.03	15.17	17-Apr-24	Last trading day of Mar, June, Sept, Dec