

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	0	1.3	0.08	3.49	1 : 1.00237	N/A	169.77	43.09	781.89	130.31	02-Aug-19	Last trading day of Jan, Apr, Jul, Oct
AJA-W1	0.05	N/A	0.21	0.39	1.53	1 : 1.30972	N/A	852.57	76.62	749.96	5.50	20-Nov-19	Last trading day of Mar, Sept
AKR-W1	0.14	0.11	0.81	1.91	1.00	1 : 1	32.04	40.74	46.27	671.57	5.79	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.59	0.32	2.96	1.47	3.00	1 : 1	83.9	21.28	24.74	230.98	5.02	18-Dec-20	15th of Mar, Sep
APEX-W1	0.03	0.01	0.18	2.00	0.40	1 : 1	127.81	138.89	52.08	499.97	6.00	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.11	0.6	1.32	1.93		1 : 1	-81.67		27.80	95.83	12.00	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.05	0.01	0.76	0.87	2.00	1 : 1	N/A	169.74	55.86	102.47	15.20	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	4.44	5.02	41.25	0.85	39.00	1 : 1	-11.54	5.31	31.90	78.58	9.29	08-May-20	15th of Jun, Dec
B52-W1	0.01	0	0.28	0.19	2.41	1 : 0.622	N/A	475.39	80.38	658.50	17.42	10-Sep-19	Last trading day of June, Dec
B52-W2	0.01	0	0.28	0.93	7.50	1 : 0.2	N/A	516.43	80.38	1,756.00	5.60	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.12	0.06	2.86	3.42	3.97	1 : 1.00731	100.96	43.36	20.59	358.73	24.01	30-Nov-22	Last trading day of Nov
BM-W1	0.16	0	2.1	1.12	4.00	1 : 1	N/A	98.10	29.34	110.00	13.13	14-Aug-20	16 Aug 2020
BROOK-W5	0.26	0.14	0.49	2.88	0.25	1 : 1	88.44	4.08	32.51	1,409.40	1.88	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	1.57	1.48	12.1	0.41	10.50	1 : 1	6.16	-0.25	17.80	1,266.91	7.71	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.54	1.49	6.53	1 : 0.09188	N/A	102.09	52.22	3,437.23	4.96	28-Dec-20	30 of Nov
B-W4	0.09	0.04	0.54	2.00	1.20	1 : 1	116.23	138.89	52.22	96.85	6.00	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.14	0	1.07	1.99	2.75	1 : 1	N/A	170.09	29.64	1,652.87	7.64	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.03	0.01	0.96	1.91	2.00	1 : 1	111.18	111.46	33.29	1,445.62	32.00	28-May-21	Last trading day of May, Nov
CHEWA-W1	0.01	0	0.8	0.41	1.75	1 : 1	N/A	120.00	34.35	467.34	80.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CI-W1	0.15	0	1.36	0.91	2.16	1 : 1.0172	N/A	71.26	21.43	98.86	9.22	29-May-20	Last trading day of May, Nov
CKP-W1	1.03	1.19	7.1	0.91	6.00	1 : 1.0007	-13.81	-0.99	28.66	1,870.00	6.90	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	0.99	0.11	2	1.00	3.00	1 : 1	835.18	99.50	43.75	60.63	2.02	02-Jul-20	15th of Jan, Jul
DCC-W1	0.73	0.64	2.04	1.85	1.15	1 : 1	14.82	-7.84	33.40	1,907.75	2.79	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DIMET-W2	SP	0.01	0.69	0.05	1.15	1 : 1	N/A	68.12	54.71	268.95	69.00	20-Jul-19	Last trading day of Aug ,Nov, Feb, Jul
EARTH-W4	0.01	N/A	0.51	0.21	6.86	1 : 1.02	N/A	1272.20		1,409.63	52.02	15-Sep-19	15th of Mar, Sep

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ECF-W3	1.14	0.28	2.44	1.64	5.00	1 : 1.0008	302.41	151.59	66.10	129.95	2.14	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.31	0.15	1.57	1.60	1.85	1 : 1	103.66	37.58	37.56	554.43	5.06	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0.01	0.05	0.92	0.60	1 : 1	N/A	1120.00	174.14	1,377.16	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.05	0.92	0.50	1 : 1	N/A	920.00	174.14	772.51	5.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	N/A	0.04	1.04	1.00	1 : 2.32054	N/A	5627.31	165.69	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.02	0.02	0.04	1.96	1.00	1 : 2.32054	10.37	5685.32	165.69	16.42	4.64	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.17	0.14	0.29	4.29	0.15	1 : 1	21.72	10.34	75.39	4,216.75	1.71	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.57	0.34	3.44	1.46	4.83	1 : 1.0361	67.81	58.91	48.12	85.54	6.25	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.03	0	0.31	1.48	1.41	1 : 1.065	N/A	387.52	61.03	347.00	11.01	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.02	0	0.31	1.48	2.00	1 : 1	N/A	551.61	61.03	261.75	15.50	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.28	0.02	0.64	0.99	0.96	1 : 1.04545	1399.5	97.52	38.28	138.79	2.39	26-Jun-20	Last Trading of June
GJS-W3	0.01	0	0.15	0.60	0.17	1 : 0.5	N/A	8.93	68.91	3,674.43	7.50	07-Feb-20	Last trading day of June, Dec
GSTEL-W1	0.00	0	0.06	0.24	2.75	1 : 0.2	N/A	896.67	63.52	5,676.19		29-Sep-19	Last trading day of June, Dec
GSTEL-W2	0.00	0	0.06	0.24	2.75	1 : 0.2	N/A	896.67	63.52	1,348.65		26-Sep-19	Last trading day of June, Dec
HPT-W1	0.44	0.29	0.76	1.93	0.50	1 : 1	52.58	23.68	49.80	110.50	1.73	04-Jun-21	Last trading day of June, Dec
IHL-W1	1.74	1.62	5.25	0.28	3.50	1 : 1	7.58	-0.19	37.49	13.04	3.02	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.43	0.15	3.14	1.89	5.00	1 : 1	181.57	72.93	36.75	249.99	7.30	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	4.06	3.25	7.2	1.01	3.61	1 : 1.192	24.87	7.70	33.24	1,307.14	2.11	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.17	0	1.22	1.00	3.50	1 : 1	N/A	200.82	26.20	241.12	7.18	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.70	0.46	9.25	0.86	15.00	1 : 1	271.23	80.54	54.88	108.00	5.44	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.32	2.4	17.3	2.16	18.62	1 : 1.02031	38.58	27.38	38.51	222.00	5.32	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.41	0.02	1	2.94	2.00	1 : 1	2286.81	141.00	24.73	156.48	2.44	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	0.95	0.36	5.4	2.82	4.00	2 : 1	161.23	-8.33	27.70	157.10	5.68	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.14	0.06	1.5	2.16	2.10	1 : 1	151.69	49.33	26.54	1,375.54	10.71	27-Aug-21	Last trading day of Mar, June, Sept, Dec
MILL-W3	0.01	N/A	0.9	0.47	2.73	1 : 1.099	N/A	224.93	29.58	625.70	98.91	21-Dec-19	Last trading day of June, Dec

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	Market	Black Scholes											
MILL-W4	0.07	0.01	0.9	3.03	2.00	1 : 1.099	481.65	143.24	29.58	405.44	14.13	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.03	0	0.9	1.02	1.75	1 : 1.03	N/A	100.48	29.58	905.04	30.90	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	5.40	6.41	42.25	2.25	43.00	1 : 1	-15.8	14.56	25.49	230.94	7.82	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.05	0	1.72	0.29	2.46	1 : 1.015	N/A	46.86	37.97	1,352.35	34.92	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.07	N/A	1.25	0.43	2.40	1 : 1.5	N/A	146.40	33.49	64.88	26.79	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.02	0	0.3	0.21	0.55	1 : 1	N/A	90.00	57.46	208.41	15.00	15-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.95	0.02	1 : 1	N/A	160.00	402.18	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.64	0.6	3.64	2.45	6.48	1 : 1.00255	173.46	123.49	56.95	108.78	2.23	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.19	N/A	2.4	0.91	3.19	1 : 1.5695	N/A	63.81	33.42	127.75	19.83	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.57	0.47	1.03	2.56	0.50	1 : 1	21.74	3.88	65.64	749.60	1.81	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.19	0.01	0.41	0.63	1.00	1 : 1	N/A	190.24	67.50	693.94	2.16	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.19	0.04	3	2.04	7.86	1 : 1.018	327.05	171.36	43.13	276.12	16.07	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.39	0.46	1.23	2.62	1.00	1 : 1	-15.86	13.01	81.82	603.22	3.15	13-Feb-22	13 Feb 2022
ORI-W1	0.82	0.48	7.95	1.25	13.33	1 : 1	71.05	78.03	54.62	609.86	9.70	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.19	3.65	2.00	1 : 1	N/A	963.16	63.95	2,460.22	9.50	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.78	0.02	10.1	1.87	33.00	1 : 1	3274.28	234.46	35.68	75.33	12.95	14-May-21	15 May, 15 Nov
PDJ-W3	0.56	0.62	1.63	0.60	1.00	1 : 1	-9.04	-4.29	32.81	25.59	2.91	07-Feb-20	7 Feb 20
PDJ-W4	0.55	0.63	1.63	1.61	1.00	1 : 1	-12.74	-4.91	32.81	51.19	2.96	07-Feb-21	7 Feb 21
PORT-W1	0.77	0.48	4.54	2.90	6.50	1 : 1	61.97	60.13	34.09	46.00	5.90	27-May-22	Last trading day of June, Dec
PROUD-W2	0.58	0.38	1.6	1.01	1.53	1 : 1.174	54.07	37.64	48.45	31.68	3.24	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W1 <i>SP</i>	0.01	N/A	1.39	0.00	1.47	1 : 1.22449	N/A	7.93	26.52	157.08	170.20	03-Jul-19	Last Trading day of Jan, Jul
RICHY-W2	0.06	N/A	1.39	1.00	2.25	1 : 1.22449	N/A	80.69	26.52	157.08	28.37	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.75	4.42	16.7	0.89	12.47	1 : 1.0028	30.22	9.10	48.82	187.52	2.91	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.88	0.45	9.6	1.88	14.80	1 : 1.014	97.29	64.22	34.58	335.43	11.06	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.15	0.15	1.03	1.33	1.00	1 : 1	1.33	11.65	39.65	93.41	6.87	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20

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	Market	Black Scholes											
SAWAD-W1	9.70	17.45	57.75	0.91	48.48	1 : 1.237	-44.41	0.91	46.45	39.95	7.36	29-May-20	Last trading day of May,Nov
SDC-W1	0.20	0.13	0.34	3.92	0.50	1 : 1	51.67	105.88	69.92	1,731.04	1.70	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.26	N/A	1.58	0.88	13.32	1 : 1.1261	N/A	855.27	42.74	37.81	6.84	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.27	0.01	1.58	5.88	26.64	1 : 1.1261	N/A	1805.33	42.74	37.81	6.59	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.56	0.66	1.58	2.02	1.00	1 : 1	-15.56	-1.27	42.74	43.69	2.82	08-Jul-21	9 Jul 2021
SINGER-W1	2.30	2.29	8.2	1.81	7.00	1 : 1	0.46	13.41	45.79	65.75	3.57	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.55	1.55	8.2	3.81	14.00	1 : 1	0.24	89.63	45.79	65.75	5.29	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.39	0.24	1.98	0.91	2.10	1 : 1	64.75	25.76	42.34	209.12	5.08	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.02	0	0.15	0.16	0.20	1 : 1	N/A	46.67	77.92	84.40	7.50	29-Aug-19	Last trading day of each month
SST-W2	1.36	0.05	4.86	2.25	10.00	1 : 1	2540.2	133.74	27.16	30.39	3.57	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.28	0.25	3.7	0.64	4.00	1 : 1	10.35	15.68	40.11	135.45	13.21	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.04	0.01	0.71	1.17	2.50	1 : 1	N/A	257.75	60.06	5,469.68	17.75	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.04	0.33	4.24	0.73	4.44	1 : 1	212.69	29.25	29.16	31.00	4.08	26-Mar-20	15 of Jul
S-W1	SP	0	3.58	0.04	15.00	1 : 1	N/A	319.27	28.34	1,632.95	358.00	16-Jul-19	15th Jan 18, 16 Jul 18, 15 Jan 19, 15 Jul 19
SWC-W1	4.02	1.35	5.5	2.77	1.00	1 : 1	196.89	-8.73	41.44	149.99	1.37	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.10	0	0.63	1.58	1.88	1 : 1.07	N/A	229.29	29.77	400.00	6.74	28-Jan-21	Last trading day of Dec
TCC-W3	0.09	0.08	0.34	2.75	0.81	1 : 1.23886	13.46	202.95	67.18	92.20	4.68	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.09	0.08	0.34	3.87	0.90	1 : 1.10801	9.87	212.80	67.18	369.34	4.19	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.20	0.21	0.34	8.90	0.50	1 : 1	-4.84	105.88	67.18	98.41	1.70	24-May-28	Last trading day of Jul
TCJ-W2	0.59	0	4.94	0.93	9.80	1 : 1.02	N/A	112.61	28.35	31.53	8.54	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.10	0.03	2.6	0.41	4.00	1 : 1	224.55	57.69	49.33	254.40	26.00	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.65	0	4.46	0.88	9.50	1 : 1	N/A	127.58	32.89	510.81	6.86	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.02	0.13	4.22	0.50	1 : 1	-58.03	292.31	70.77	1,944.51	13.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	2.02	0.79	3.50	4 : 1	N/A	74.26	43.95	2,191.76	101.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.16	0.03	0.73	0.96	1.00	1 : 1	448.97	58.90	38.02	321.67	4.56	16-Jun-20	Last Trading of June

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TNITY-W1	0.59	0.17	4.66	1.72	5.00	1 : 1	253.62	19.96	21.53	97.28	7.90	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.20	0.14	0.36	1.91	0.25	1 : 1.00027	44.05	24.99	61.87	1,606.61	1.80	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.99	0.97	9	1.99	18.00	1 : 1	1.84	111.00	57.08	112.00	9.09	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.42	0.28	1.34	1.75	1.00	1 : 1.002	48.93	5.83	35.30	162.51	3.20	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.02	0.01	0.08	0.58	0.10	1 : 1	58.22	50.00	93.72	2,289.87	4.00	31-Jan-20	30 Jan 20
UAC-W2	0.64	0	3.12	1.00	5.55	1 : 1	N/A	98.40	21.78	66.76	4.88	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.49	0.15	0.61	0.70	0.50	1 : 1	231.33	62.30	52.12	103.01	1.24	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.04	0.35	6.00	1 : 0.01	N/A	1.95	252.68	180,628.31	2.04	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.04	3.70	6.00	1 : 0.01	N/A	1.95	252.68	141,895.49	2.04	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	0.94	1.4	9.25	3.19	10.00	1 : 1	-32.72	18.27	27.91	1,711.33	9.84	10-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.78	0.75	1.78	0.95	1.00	1 : 1.00086	4.29	-0.06	19.13	426.70	2.28	14-Jun-20	30th of Sep
VIBHA-W3	0.15	0.02	1.78	2.95	3.00	1 : 1.00086	724.61	76.86	19.13	1,011.78	11.88	14-Jun-22	30 Sep of each year
WAVE-W1	0.33	0	1.72	0.85	6.00	1 : 1	N/A	268.02	36.06	42.12	5.21	08-May-20	Last trading day of June, Dec
WHA-W1	12.30	12.95	4.68	0.67	3.42	1 : 10.2396	-5.03	2415.08	25.32	110.09	3.90	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.15	0	1.56	2.51	4.22	1 : 1.185	N/A	213.53	29.90	124.97	12.32	02-Jan-22	Last Business Day of December of each year.
WORK-W1	11.80	0.11	25.25	0.25	38.10	1 : 1	1006.71	97.62	46.35	3.42	2.14	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.10	N/A	0.92	4.80	2.70	1 : 2	N/A	408.70	20.10	413.03	18.40	17-Apr-24	Last trading day of Mar, June, Sept, Dec