

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											
7UP-W4	0.24	0.27	0.65	2.93		1 : 1	-11.38		83.92	605.92	2.71	08-Aug-22	Last Trading of June
AJA-W1	0.02	N/A	0.2	0.22	1.53	1 : 1.30972	N/A	882.10	69.91	749.96	13.10	20-Nov-19	Last trading day of Mar, Sept
AKR-W1	0.17	0.05	0.78	1.74	1.00	1 : 1	273.67	50.00	30.56	671.57	4.59	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.52	0.12	2.52	1.30	3.00	1 : 1	347.1	39.68	23.77	230.98	4.85	18-Dec-20	15th of Mar,Sept
APEX-W1	0.03	0.01	0.17	1.83	0.40	1 : 1	110.4	152.94	58.48	499.97	5.67	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.12	0.42	0.93	1.76		1 : 1	-71.61		42.23	95.83	7.75	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.08	0	0.84	0.70	2.00	1 : 1	N/A	147.62	46.28	102.47	10.50	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	3.64	6.38	45	0.68	39.00	1 : 1	-42.96	-5.24	26.45	78.56	12.36	08-May-20	15th of Jun, Dec
B52-W1	SP	0	0.22	0.02	2.41	1 : 0.622	N/A	622.00	51.66	658.50	13.68	11-Sep-19	Last trading day of June, Dec
B52-W2	0.01	0	0.22	0.76	7.50	1 : 0.2	N/A	662.73	51.66	1,756.00	4.40	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.14	0	2.78	3.25	3.97	1 : 1.00731	N/A	48.23	10.83	358.73	20.00	30-Nov-22	Last trading day of Nov
BM-W1	0.15	0.01	2.06	0.95	4.00	1 : 1	N/A	101.46	33.96	110.00	13.73	14-Aug-20	16 Aug 2020
BROOK-W5	0.24	0.14	0.48	2.72	0.25	1 : 1	68.36	2.08	41.12	1,407.54	2.00	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	3.00	2.99	13.5	0.24	10.38	1 : 1.011	0.43	-0.87	23.49	611.53	4.55	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.34	1.32	4.99	1 : 0.12024	N/A	164.80	82.51	3,437.23	4.09	28-Dec-20	30 of Nov
B-W4	0.09	0.07	0.34	1.83	0.92	1 : 1.3087	38.4	257.89	82.51	96.85	4.94	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.14	0	1.02	1.82	2.75	1 : 1	N/A	183.33	23.11	1,652.87	7.29	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.04	0.01	0.86	1.74	2.00	1 : 1	N/A	137.21	33.12	1,445.62	21.50	28-May-21	Last trading day of May,Nov
CHEWA-W1	0.01	0	0.73	0.24	1.75	1 : 1	N/A	141.10	31.07	467.34	73.00	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CHO-W2	0.18	0.1	0.87	1.33	0.86	1 : 1	86.88	19.54	31.23	649.42	4.83	30-Dec-20	Last trading day of June, Dec
CI-W1	0.09	0	1.05	0.74	2.16	1 : 1.0172	N/A	116.52	25.70	98.86	11.87	29-May-20	Last trading day of May,Nov
CKP-W1	1.11	0.57	6.1	0.74	6.00	1 : 1.0007	95.16	16.57	27.63	1,276.18	5.50	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	1.86	0.28	2.14	0.83	3.00	1 : 1	575.8	127.10	68.23	60.63	1.15	02-Jul-20	15th of Jan, Jul
DCC-W1	0.68	0.63	2.06	1.68	1.15	1 : 1	7.09	-11.17	22.20	1,907.75	3.03	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1	2.46	2.11	12.6	1.85	15.75	1 : 1	16.45	44.52	63.08	182.22	5.12	07-Jul-21	Last trading day of May,Nov

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	Market	Black Scholes												
EARTH-W4	SP	0.01	0	0.46	0.03	6.86	1 : 1.02	N/A	1421.57	237.11	1,409.63	46.92	14-Sep-19	15th of Mar, Sep
ECF-W3		1.00	0	2.36	1.47	5.00	1 : 1.0008	N/A	154.18	23.81	129.95	2.36	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3		0.48	0.11	1.59	1.43	1.85	1 : 1	351.4	46.54	30.06	554.43	3.31	05-Feb-21	Last Business Day of every six month from the is
EFORL-W3		0.01	0.01	0.04	0.75	0.60	1 : 1	N/A	1425.00	211.45	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4		0.01	0.01	0.04	0.75	0.50	1 : 1	N/A	1175.00	211.45	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2		0.01	0.01	0.04	0.87	1.00	1 : 2.32054	N/A	5627.31	220.19	190.75	9.28	16-Jul-20	Last trading day of June, Dec
EIC-W3		0.03	0.04	0.04	1.79	1.00	1 : 2.32054	-31.51	5743.34	220.19	16.42	3.09	16-Jun-21	Last trading day of June, Dec
EMC-W6		0.14	0.09	0.24	4.12	0.15	1 : 1	53.99	20.83	49.83	4,216.75	1.71	15-Oct-23	15th of Apr, Oct
EPCO-W3		0.76	0.36	4.02	1.29	4.83	1 : 1.0361	109.14	40.36	37.39	85.54	5.48	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FVC-W2		0.23	0.01	0.49	0.82	0.96	1 : 1.04545	2022.75	148.71	53.67	138.79	2.23	26-Jun-20	Last Trading of June
GJS-W3		0.01	0	0.13	0.43	0.17	1 : 0.5	N/A	18.00	80.93	3,674.43	6.50	07-Feb-20	Last trading day of June, Dec
GSTEEL-W1	SP	0.01	0	0.09	0.07	2.75	1 : 0.2	N/A	593.33	201.18	5,676.19	1.80	27-Sep-19	Last trading day of June, Dec
GSTEEL-W2	SP	0.01	0	0.09	0.07	2.75	1 : 0.2	N/A	593.33	201.18	1,348.65	1.80	27-Sep-19	Last trading day of June, Dec
HPT-W1		0.33	0.21	0.69	1.76	0.50	1 : 1	58.91	20.29	36.64	110.50	2.09	04-Jun-21	Last trading day of June, Dec
IHL-W1		1.18	1.2	4.7	0.11	3.45	1 : 1.013	-1.58	-1.42	46.22	13.04	4.03	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1		0.51	0.07	3.36	1.72	5.00	1 : 1	678.73	63.99	25.01	249.99	6.59	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3		3.56	2.89	6.75	0.84	3.61	1 : 1.192	23.07	7.33	42.27	1,304.56	2.26	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5		0.22	0	1.28	0.83	3.50	1 : 1	N/A	190.63	27.17	241.12	5.82	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1		1.70	0.03	8.1	0.69	15.00	1 : 1	5369.92	106.17	38.50	108.00	4.76	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2		3.22	2.41	18.1	1.99	18.62	1 : 1.02031	33.43	21.09	35.63	222.00	5.74	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1		0.52	0.02	0.99	2.77	2.00	1 : 1	2908.49	154.55	26.73	156.48	1.90	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1		1.37	0.58	5.6	2.65	4.00	2 : 1	137.2	-4.11	34.28	157.10	4.09	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2		0.24	0.04	1.51	1.99	2.10	1 : 1	447.72	54.97	24.41	1,375.54	6.29	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W4		0.19	0	1.41	1.24	3.50	1 : 1	N/A	161.70	30.44	91.07	7.42	26-Nov-20	29 Aug 19, 28 Nov 19, 27 Feb 20, 26 May 20, 2
MILL-W3		0.01	N/A	0.82	0.30	2.73	1 : 1.099	N/A	257.59	38.70	625.70	90.12	21-Dec-19	Last trading day of June, Dec

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	Market	Black Scholes											
MILL-W4	0.07	0.03	0.82	2.86	2.00	1 : 1.099	159.64	167.93	38.70	405.44	12.87	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.03	0	0.82	0.85	1.75	1 : 1.03	N/A	120.33	38.70	905.04	28.15	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	4.04	3.31	38	2.08	43.00	1 : 1	22.14	23.79	22.19	230.88	9.41	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.03	0	1.47	0.13	2.46	1 : 1.015	N/A	70.70	30.71	1,352.35	49.74	18-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.08	N/A	1.14	0.26	2.40	1 : 1.5	N/A	176.32	32.96	64.88	21.38	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	SP	N/A	0.27	0.03	0.55	1 : 1	N/A	107.41	57.51	208.41	27.00	14-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.78	0.02	1 : 1	N/A	160.00	404.96	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.77	0.9	3.62	2.28	6.48	1 : 1.00255	97.32	128.32	75.00	108.78	2.05	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.15	N/A	2.16	0.74	3.19	1 : 1.5695	N/A	85.43	32.09	127.75	22.60	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.50	0.39	1	2.39	0.50	1 : 1	29.42	0.00	27.73	749.60	2.00	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.14	0	0.33	0.46	1.00	1 : 1	N/A	245.45	52.46	693.94	2.36	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.14	0	2.38	1.87	7.86	1 : 1.018	N/A	240.38	29.72	276.12	17.31	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.47	0.34	1.12	2.45	1.00	1 : 1	37.84	31.25	67.09	603.22	2.38	13-Feb-22	13 Feb 2022
ORI-W1	0.84	0.18	7.9	1.08	13.33	1 : 1	374.24	79.41	42.67	609.86	9.40	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0.01	0.18	3.48	2.00	1 : 1	74.73	1022.22	74.43	2,460.22	9.00	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	0.88	0	8.55	1.70	33.00	1 : 1	N/A	296.26	29.20	75.33	9.72	14-May-21	15 May, 15 Nov
PDJ-W3	0.54	0.51	1.53	0.43	1.00	1 : 1	5	0.65	24.64	25.59	2.83	07-Feb-20	7 Feb 20
PDJ-W4	0.56	0.52	1.53	1.44	1.00	1 : 1	7.38	1.96	24.64	51.19	2.73	07-Feb-21	7 Feb 21
PERM-W1	0.31	0.21	1.05	2.79	1.80	1 : 1	47.97	100.95	62.58	250.00	3.39	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	0.84	0.31	3.76	2.73	5.91	1 : 1.09999	171.79	87.45	34.54	46.00	4.92	27-May-22	Last trading day of June, Dec
PRIME-W1	0.05	0.01	0.39	1.31	1.08	1 : 1.3946	N/A	262.90	63.62	347.00	10.88	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PRIME-W2	0.03	0	0.39	1.31	1.53	1 : 1.3095	N/A	391.94	63.62	261.75	17.02	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PROUD-W2	0.49	0.24	1.45	0.84	1.53	1 : 1.174	101.94	46.39	48.55	31.68	3.47	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.06	N/A	1.11	0.83	2.25	1 : 1.22449	N/A	131.94	24.64	157.08	22.65	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.25	4.15	17	0.72	12.44	1 : 1.0047	26.51	4.09	38.32	187.52	3.25	23-May-20	Last trading day of Apr, Oct

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	Market	Black Scholes											
SAMART-W2	0.72	0.35	9.1	1.71	14.80	1 : 1.014	107.26	71.54	36.24	335.43	12.82	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.19	0.06	1.01	1.16	1.00	1 : 1	231.06	17.82	16.64	93.41	5.32	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1	7.30	12.27	55.75	0.74	48.48	1 : 1.237	-40.52	0.06	34.98	39.95	9.45	29-May-20	Last trading day of May,Nov
SDC-W1	0.15	0.04	0.26	3.75	0.50	1 : 1	305.18	150.00	43.54	1,731.04	1.73	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.22	N/A	1.46	0.71	13.32	1 : 1.1261	N/A	931.73	38.49	37.81	7.47	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.22	0	1.46	5.72	26.64	1 : 1.1261	N/A	1959.11	38.49	37.81	7.47	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.57	0.54	1.46	1.85	1.00	1 : 1	5.58	7.53	38.49	43.69	2.56	08-Jul-21	9 Jul 2021
SINGER-W1	2.60	2.12	7.95	1.64	7.00	1 : 1	22.8	20.75	47.41	65.75	3.06	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.96	1.46	7.95	3.64	14.00	1 : 1	34.26	100.75	47.41	65.75	4.06	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.31	0.02	1.51	0.74	2.10	1 : 1	1857.38	59.60	28.33	209.12	4.87	29-May-20	Last trading day of Mar, Sept , Dec
SST-W2	1.38	0	4.6	2.08	10.00	1 : 1	N/A	147.39	20.34	30.39	3.33	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.45	0.3	3.04	0.47	4.00	1 : 1	51.66	46.38	86.58	135.45	6.76	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.04	0	0.64	1.00	2.50	1 : 1	N/A	296.88	39.05	5,469.68	16.00	31-Aug-20	Last trading day of Feb, May, Aug ,Nov
SVI-W3	1.18	0.1	3.72	0.56	4.44	1 : 1	1044.18	51.08	29.13	31.00	3.15	26-Mar-20	15 of Jul
SWC-W1	3.18	0.86	4.42	2.60	1.00	1 : 1	269.23	-5.43	52.21	149.99	1.39	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.09	0	0.51	1.41	1.88	1 : 1.07	N/A	306.31	33.83	400.00	6.06	28-Jan-21	Last trading day of Dec
TCC-W3	0.08	0.01	0.3	2.58	0.81	1 : 1.23886	N/A	242.40	39.22	92.20	4.65	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.07	0.01	0.3	3.70	0.90	1 : 1.10801	441.46	248.56	39.22	369.34	4.75	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.16	0.1	0.3	8.73	0.50	1 : 1	56.23	120.00	39.22	98.41	1.88	24-May-28	Last trading day of Jul
TCJ-W2	0.41	0	4.66	0.76	9.80	1 : 1.02	N/A	121.57	20.67	31.53	11.59	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.08	0.01	2.36	0.24	4.00	1 : 1	536.08	72.88	62.29	254.40	29.50	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.86	0.04	4.94	0.71	9.50	1 : 1	2196.45	109.72	43.78	510.81	5.74	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.02	0.1	4.05	0.50	1 : 1	-43.77	410.00	78.02	1,944.51	10.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.01	0	1.58	0.62	3.50	4 : 1	N/A	122.15	35.66	2,191.76	158.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.15	0.01	0.7	0.79	1.00	1 : 1	1108.23	64.29	33.57	321.67	4.67	16-Jun-20	Last Trading of June

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	Market	Black Scholes											
TNITY-W1	0.43	0.02	4.2	1.55	5.00	1 : 1	1686.79	29.29	15.88	97.28	9.77	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.16	0.08	0.31	1.74	0.25	1 : 1.00027	93.05	32.24	39.86	1,606.61	1.94	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.86	0.25	9.05	1.82	18.00	1 : 1	242.17	108.40	36.82	112.00	10.52	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.40	0.21	1.27	1.58	1.00	1 : 1.002	93.32	10.10	26.65	162.48	3.18	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.01	0.01	0.08	0.41	0.10	1 : 1	-21.49	37.50	111.21	2,289.87	8.00	31-Jan-20	30 Jan 20
UAC-W2	0.49	0	3.02	0.83	5.55	1 : 1	N/A	100.00	21.06	66.76	6.16	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.42	0.04	0.5	0.53	0.50	1 : 1	878.78	84.00	32.19	103.01	1.19	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.26	0.18	6.00	1 : 0.01	N/A	1.66	40.74	180,628.31	2.26	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.26	3.53	6.00	1 : 0.01	N/A	1.66	40.74	141,895.49	2.26	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	1.60	1.64	9.75	3.03	10.00	1 : 1	-2.61	18.97	28.40	1,711.33	6.09	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	1.05	1.02	2.06	0.78	1.00	1 : 1.00086	2.84	-0.53	21.31	426.70	1.96	14-Jun-20	30th of Sep
VIBHA-W3	0.26	0.07	2.06	2.78	3.00	1 : 1.00086	278.79	58.16	21.31	1,011.78	7.93	14-Jun-22	30 Sep of each year
WAVE-W1	0.32	0	1.83	0.68	6.00	1 : 1	N/A	245.36	36.08	42.12	5.72	08-May-20	Last trading day of June, Dec
WHA-W1	14.00	15.4	4.92	0.50	3.42	1 : 10.2396	-9.1	2601.13	18.22	79.06	3.60	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.18	N/A	1.38	2.34	4.22	1 : 1.185	N/A	259.41	26.48	124.97	9.09	02-Jan-22	Last Business Day of December of each year.
WORK-W1 <i>SP</i>	1.51	0	23.1	0.08	38.10	1 : 1	N/A	71.47	49.61	3.42	15.30	01-Oct-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.10	N/A	0.83	4.63	2.70	1 : 2	N/A	474.70	21.08	413.03	16.60	17-Apr-24	Last trading day of Mar, June, Sept, Dec