

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	0.20	0.25	0.6	2.88		1 : 1	-20		80.96	605.92	3.00	08-Aug-22	Last Trading of June
AJA-W1	0.01	N/A	0.18	0.16	1.53	1 : 1.30972	N/A	987.38	61.06	749.96	23.57	20-Nov-19	Last trading day of Mar, Sept
AKR-W1	0.16	0.04	0.76	1.68	1.00	1 : 1	296.9	52.63	30.58	671.57	4.75	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.47	0.11	2.48	1.24	3.00	1 : 1	321.83	39.92	25.37	230.98	5.28	18-Dec-20	15th of Mar,Sept
APEX-W1	0.03	0.02	0.17	1.77	0.40	1 : 1	84.61	152.94	63.56	499.97	5.67	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.11	0.38	0.84	1.70		1 : 1	-71.19		42.28	95.83	7.64	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.06	0	0.84	0.64	2.00	1 : 1	N/A	145.24	44.09	102.47	14.00	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	3.48	4.36	41.5	0.62	39.00	1 : 1	-20.11	2.36	28.73	78.56	11.93	08-May-20	15th of Jun, Dec
B52-W2	0.01	0	0.24	0.70	7.50	1 : 0.2	N/A	605.83	52.14	1,756.00	4.80	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.13	0	2.72	3.19	3.97	1 : 1.00731	N/A	51.14	10.39	358.73	21.08	30-Nov-22	Last trading day of Nov
BM-W1	0.15	0.02	2.12	0.89	4.00	1 : 1	633.06	95.75	42.27	110.00	14.13	14-Aug-20	16 Aug 2020
BROOK-W5	0.23	0.14	0.48	2.66	0.25	1 : 1	60.17	0.00	41.22	1,407.54	2.09	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	3.04	2.89	13.4	0.18	10.38	1 : 1.011	5.06	0.18	23.90	611.53	4.46	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.28	1.27	4.99	1 : 0.12024	N/A	202.69	85.29	3,437.23	3.37	28-Dec-20	30 of Nov
B-W4	0.07	0.05	0.28	1.77	0.92	1 : 1.3087	49.02	331.85	85.29	96.85	5.23	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.11	0	0.97	1.76	2.75	1 : 1	N/A	194.85	22.74	1,652.87	8.82	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.03	0	0.84	1.68	2.00	1 : 1	N/A	141.67	32.37	1,445.62	28.00	28-May-21	Last trading day of May,Nov
CHEWA-W1	0.01	0	0.69	0.18	1.75	1 : 1	N/A	155.07	30.88	467.34	69.00	28-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CHO-W2	0.15	0.08	0.83	1.27	0.86	1 : 1	93.19	21.69	30.73	649.42	5.53	30-Dec-20	Last trading day of June, Dec
CI-W1	0.09	0	0.99	0.68	2.16	1 : 1.0172	N/A	129.75	26.82	98.86	11.19	29-May-20	Last trading day of May,Nov
CKP-W1	0.92	0.39	5.65	0.68	6.00	1 : 1.0007	133.2	22.49	30.01	1,276.18	6.15	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	0.97	0.21	1.99	0.78	3.00	1 : 1	357.87	99.50	69.13	60.63	2.05	02-Jul-20	15th of Jan, Jul
DCC-W1	0.72	0.59	2	1.62	1.15	1 : 1	22.06	-6.50	21.21	1,907.75	2.78	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1	1.68	1.52	11.4	1.79	15.75	1 : 1	10.32	52.89	60.77	182.22	6.79	07-Jul-21	Last trading day of May,Nov
ECF-W3	1.00	0	2.32	1.41	5.00	1 : 1.0008	N/A	158.57	22.37	129.95	2.32	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2

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	Market	Black Scholes											
ECL-W3	0.47	0.1	1.58	1.37	1.85	1 : 1	357.36	46.84	30.44	554.43	3.36	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0.01	0.04	0.69	0.60	1 : 1	N/A	1425.00	211.14	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.04	0.69	0.50	1 : 1	N/A	1175.00	211.14	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	0	0.03	0.81	1.00	1 : 2.32054	N/A	7580.43	215.16	190.75	6.96	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.01	0.03	0.03	1.73	1.00	1 : 2.32054	-61.94	7580.43	215.16	16.42	6.96	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.13	0.08	0.22	4.06	0.15	1 : 1	63.59	27.27	50.34	4,216.75	1.69	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.80	0.31	3.9	1.23	4.83	1 : 1.0361	161.66	45.85	37.92	85.54	5.05	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FVC-W2	0.23	0.01	0.5	0.76	0.96	1 : 1.04545	2161.7	143.64	53.65	138.79	2.27	26-Jun-20	Last Trading of June
GJS-W3	0.01	0	0.12	0.38	0.17	1 : 0.5	N/A	23.67	83.78	3,674.43	6.00	07-Feb-20	Last trading day of June, Dec
GSTEEL-W1 <i>SP</i>	0.01	0	0.09	0.01	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 <i>SP</i>	0.01	0	0.09	0.01	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	0.27	0.2	0.68	1.70	0.50	1 : 1	35.84	13.24	35.97	110.50	2.52	04-Jun-21	Last trading day of June, Dec
IHL-W1 <i>SP</i>	0.67	0.76	4.24	0.05	3.45	1 : 1.013	-12.08	-2.77	46.22	13.04	6.41	12-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.48	0.05	3.22	1.66	5.00	1 : 1	885.44	70.19	25.12	249.99	6.71	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	3.02	2.37	6.2	0.78	3.61	1 : 1.192	27.64	8.17	42.05	1,304.56	2.45	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.13	0	1	0.77	3.50	1 : 1	N/A	263.00	31.51	241.12	7.69	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.73	0.01	7.8	0.63	15.00	1 : 1	N/A	114.49	35.84	108.00	4.51	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.26	1.84	17	1.93	18.62	1 : 1.02031	76.85	29.30	34.96	222.00	5.32	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.39	0.01	0.99	2.72	2.00	1 : 1	2669.79	141.41	25.73	156.48	2.54	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	1.15	0.46	5.35	2.59	4.00	2 : 1	149.41	-3.74	33.08	157.10	4.65	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.30	0.03	1.49	1.93	2.10	1 : 1	962.37	61.07	22.34	1,375.54	4.97	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W4	0.11	0	1.39	1.18	3.50	1 : 1	N/A	159.71	30.14	91.07	12.64	26-Nov-20	29 Aug 19, 28 Nov 19, 27 Feb 20, 26 May 20, 2
MILL-W3	0.01	N/A	0.86	0.24	2.73	1 : 1.099	N/A	240.50	37.77	625.70	94.51	21-Dec-19	Last trading day of June, Dec
MILL-W4	0.07	0.03	0.86	2.80	2.00	1 : 1.099	160.01	155.01	37.77	405.44	13.50	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.03	0	0.86	0.80	1.75	1 : 1.03	N/A	109.95	37.77	905.04	29.53	10-Jul-20	Last trading day of Mar, June, Sept, Dec

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MINT-W6	3.98	3.15	37	2.02	43.00	1 : 1	26.44	26.97	23.90	230.88	9.30	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.01	N/A	1.31	0.07	2.46	1 : 1.015	N/A	90.19	32.87	1,352.35	132.97	18-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.02	N/A	1.15	0.20	2.40	1 : 1.5	N/A	165.65	31.99	64.88	86.25	06-Dec-19	28 Jun 19, 6 Dec 19
NEWS-W6	0.01	0.01	0.01	1.72	0.02	1 : 1	N/A	160.00	390.37	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.69	0.83	3.58	2.22	6.48	1 : 1.00255	104.36	128.64	73.25	108.78	2.12	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.13	N/A	2.08	0.68	3.19	1 : 1.5695	N/A	93.24	19.45	127.75	25.11	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.50	0.38	0.99	2.33	0.50	1 : 1	32.37	1.01	26.18	749.60	1.98	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.16	0	0.38	0.41	1.00	1 : 1	N/A	205.26	41.65	693.94	2.38	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.14	0	2	1.81	7.86	1 : 1.018	N/A	305.40	29.14	276.12	14.54	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.48	0.22	1.11	2.39	1.00	1 : 1	116.48	33.33	36.91	603.22	2.31	13-Feb-22	13 Feb 2022
ORI-W1	0.85	0.14	7.7	1.02	13.33	1 : 1	498.56	84.20	42.84	609.86	9.06	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.02	0	0.14	3.42	2.00	1 : 1	N/A	1342.86	67.99	2,460.22	7.00	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PACE-W3	0.07	0.04	0.14	2.93	0.25	1 : 1	75.57	128.57	67.99	1,167.36	2.00	29-Aug-22	29 Nov 19
PDI-W1	0.89	0	8.4	1.64	33.00	1 : 1	N/A	303.45	29.28	75.33	9.44	14-May-21	15 May, 15 Nov
PDJ-W3	0.60	0.65	1.67	0.38	1.00	1 : 1	-6.99	-4.19	26.83	25.59	2.78	07-Feb-20	7 Feb 20
PDJ-W4	0.61	0.64	1.67	1.38	1.00	1 : 1	-5.28	-3.59	26.83	51.19	2.74	07-Feb-21	7 Feb 21
PERM-W1	0.27	0.18	1	2.73	1.80	1 : 1	47.08	107.00	61.73	250.00	3.70	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	1.04	0.21	3.28	2.68	5.91	1 : 1.09999	398.62	123.05	36.55	46.00	3.47	27-May-22	Last trading day of June, Dec
PRIME-W1	0.05	0.01	0.4	1.25	1.08	1 : 1.3946	N/A	252.84	63.96	347.00	11.16	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PRIME-W2	0.04	0	0.4	1.25	1.53	1 : 1.3095	N/A	382.14	63.96	261.75	13.10	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PROUD-W2	0.40	0.14	1.42	0.79	1.53	1 : 1.174	187.13	42.41	36.24	31.68	4.17	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.05	N/A	1.08	0.78	2.25	1 : 1.22449	N/A	137.87	23.68	157.08	26.45	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	4.78	2.99	15.5	0.67	12.44	1 : 1.0047	59.69	11.16	36.51	187.52	3.26	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.73	0.23	8.7	1.65	14.80	1 : 1.014	219.69	79.60	33.90	335.43	12.08	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.15	0.04	0.97	1.10	1.00	1 : 1	259.24	18.56	17.31	93.41	6.47	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20

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	Market	Black Scholes											
SAWAD-W1	8.05	11.54	55.25	0.68	48.48	1 : 1.237	-30.23	2.86	35.45	39.95	8.49	29-May-20	Last trading day of May,Nov
SDC-W1	0.13	0.04	0.26	3.69	0.50	1 : 1	260.78	142.31	43.60	1,731.04	2.00	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.14	N/A	1.4	0.65	13.32	1 : 1.1261	N/A	970.05	37.28	37.81	11.26	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.21	0	1.4	5.66	26.64	1 : 1.1261	N/A	2047.10	37.28	37.81	7.51	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.48	0.48	1.4	1.79	1.00	1 : 1	-0.51	5.71	37.28	43.69	2.92	08-Jul-21	9 Jul 2021
SINGER-W1	2.46	1.67	7.45	1.58	7.00	1 : 1	47.05	26.98	44.08	65.75	3.03	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.80	1.05	7.45	3.58	14.00	1 : 1	70.71	112.08	44.08	65.75	4.14	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.24	0	1.28	0.68	2.10	1 : 1	N/A	82.81	29.97	209.12	5.33	29-May-20	Last trading day of Mar, Sept, Dec
SST-W2	1.41	0.01	4.88	2.02	10.00	1 : 1	N/A	133.81	21.65	30.39	3.46	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.33	0.2	2.78	0.41	4.00	1 : 1	69	55.76	86.71	135.45	8.42	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.03	0	0.65	0.94	2.50	1 : 1	N/A	289.23	38.68	5,469.68	21.67	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.18	0.57	4.62	0.51	4.44	1 : 1	105.75	21.65	38.35	31.00	3.92	26-Mar-20	15 of Jul
SWC-W1	3.00	0.73	4.2	2.54	1.00	1 : 1	308.73	-4.76	42.12	149.99	1.40	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.07	0	0.49	1.35	1.88	1 : 1.07	N/A	318.82	33.69	400.00	7.49	28-Jan-21	Last trading day of Dec
TCC-W3	0.06	0.01	0.28	2.52	0.81	1 : 1.23886	N/A	259.72	41.17	92.20	5.78	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.06	0.01	0.28	3.64	0.90	1 : 1.10801	404.5	270.28	41.17	369.34	5.17	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.16	0.1	0.28	8.67	0.50	1 : 1	67.47	135.71	41.17	98.41	1.75	24-May-28	Last trading day of Jul
TCJ-W2	0.35	0	4.44	0.70	9.80	1 : 1.02	N/A	131.27	22.96	31.53	12.94	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.01	0	2.26	0.19	4.00	1 : 1	N/A	77.43	38.41	254.40	226.00	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.70	0.01	3.82	0.65	9.50	1 : 1	N/A	167.02	46.87	510.81	5.46	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.02	0.09	3.99	0.50	1 : 1	-46.79	466.67	86.96	1,944.51	9.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	1.66	0.57	3.50	4 : 1	N/A	112.05	33.48	2,191.76	83.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.16	0.01	0.65	0.73	1.00	1 : 1	N/A	78.46	33.87	321.67	4.06	16-Jun-20	Last Trading of June
TNITY-W1	0.35	0.02	4.2	1.49	5.00	1 : 1	2069.86	27.38	14.20	97.28	12.00	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.16	0.09	0.32	1.68	0.25	1 : 1.00027	82.06	28.11	39.57	1,606.61	2.00	29-May-21	Last trading day of Mar, June, Sept, Dec

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	Market	Black Scholes											
TTCL-W1	0.73	0.1	7.35	1.76	18.00	1 : 1	660.64	154.83	38.95	112.00	10.07	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.35	0.18	1.24	1.53	1.00	1 : 1.002	89.55	8.73	24.65	162.48	3.55	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.01	0.01	0.08	0.36	0.10	1 : 1	-5.07	37.50	105.32	2,289.87	8.00	31-Jan-20	30 Jan 20
UAC-W2	0.49	0	3.1	0.77	5.55	1 : 1	N/A	94.84	19.06	66.76	6.33	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.34	0.06	0.54	0.47	0.50	1 : 1	431.44	55.56	32.64	103.01	1.59	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	0	2.16	0.12	6.00	1 : 0.01	N/A	1.78	43.66	180,628.31	2.16	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	2.16	3.48	6.00	1 : 0.01	N/A	1.78	43.66	141,895.49	2.16	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	2.00	1.72	9.85	2.97	10.00	1 : 1	16.11	21.83	28.99	1,711.33	4.93	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.97	0.89	1.92	0.73	1.00	1 : 1.00086	9.49	2.55	21.35	426.70	1.98	14-Jun-20	30th of Sep
VIBHA-W3	0.24	0.04	1.92	2.73	3.00	1 : 1.00086	502.35	68.65	21.35	1,011.78	8.01	14-Jun-22	30 Sep of each year
WAVE-W1	0.29	0	1.65	0.62	6.00	1 : 1	N/A	281.21	38.13	42.12	5.69	08-May-20	Last trading day of June, Dec
WHA-W1	12.50	12.54	4.64	0.45	3.42	1 : 10.2396	-0.3	2488.86	18.44	79.06	3.80	04-Mar-20	25 of Jun, Dec
WIK-W2	0.12	N/A	1.15	2.28	4.22	1 : 1.185	N/A	328.81	28.39	124.97	11.36	02-Jan-22	Last Business Day of December of each year.
WORK-W1	SP	1.51	20.5	0.02	38.10	1 : 1	N/A	93.22	47.60	3.42	13.58	01-Oct-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.12	N/A	0.92	4.57	2.70	1 : 2	N/A	413.04	27.35	413.03	15.33	17-Apr-24	Last trading day of Mar, June, Sept, Dec