

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	0.16	0.25	0.6	2.72		1 : 1	-36		77.85	605.92	3.75	08-Aug-22	Last Trading of June	
AJA-W1	SP	0.01	N/A	0.17	0.01	1.53	1 : 1.30972	N/A	1053.17	63.62	749.96	22.27	21-Nov-19	Last trading day of Mar, Sept
AKR-W1		0.12	0.02	0.66	1.53	1.00	1 : 1	643.05	69.70	29.78	671.57	5.50	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1		0.27	0.06	1.94	1.08	3.00	1 : 1	331.17	68.56	38.13	230.98	7.19	18-Dec-20	15th of Mar,Sept
APEX-W1		0.02	0.02	0.15	1.62	0.40	1 : 1	4.75	180.00	79.63	499.97	7.50	30-Jun-21	Last trading day of June, Dec
APURE-W2		0.08	0.34	0.74	1.55		1 : 1	-76.22		48.81	95.83	9.25	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1		0.22	0.08	1.41	0.49	2.00	1 : 1	180.91	57.45	65.11	102.47	6.41	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1		1.57	2.41	39	0.47	39.00	1 : 1	-34.98	4.03	24.86	78.56	24.84	08-May-20	15th of Jun, Dec
B52-W2		0.01	0	0.22	0.55	7.50	1 : 0.2	N/A	662.73	58.61	1,756.00	4.40	05-Jun-20	Last trading day of June, Dec
BKD-W2		0.13	0	2.76	3.04	3.97	1 : 1.00731	N/A	48.94	12.52	358.73	21.39	30-Nov-22	Last trading day of Nov
BM-W1		0.12	0.01	2	0.74	4.00	1 : 1	N/A	106.00	43.25	110.00	16.67	14-Aug-20	16 Aug 2020
BROOK-W5		0.18	0.13	0.47	2.50	0.25	1 : 1	33.34	-8.51	38.25	1,407.38	2.61	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	SP	3.04	3.54	14	0.03	10.38	1 : 1.011	-14.05	-4.16	21.82	416.70	4.66	30-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3		0.01	0	0.27	1.11	4.99	1 : 0.12024	N/A	210.64	88.65	3,437.23	3.25	28-Dec-20	30 of Nov
B-W4		0.04	0.04	0.27	1.62	0.92	1 : 1.3087	-0.26	334.45	88.65	96.85	8.83	01-Jul-21	Last trading day of June, Dec
B-W5		0.06	0.07	0.27	1.32	0.35	1 : 1	-16.46	51.85	88.65	290.56	4.50	15-Mar-21	Last trading day of Jan, Apr, Jul, Oct
CGD-W4		0.12	0	0.92	1.61	2.75	1 : 1	N/A	211.96	20.12	1,652.87	7.67	26-Jun-21	Last trading day of June, Dec
CGH-W3		0.03	0	0.85	1.53	2.00	1 : 1	N/A	138.82	32.81	1,445.62	28.33	28-May-21	Last trading day of May,Nov
CHEWA-W1	SP	0.01	N/A	0.57	0.03	1.75	1 : 1	N/A	208.77	32.68	467.34	57.00	28-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CHO-W2		0.08	0.03	0.72	1.12	0.86	1 : 1	154.9	30.56	29.22	649.42	9.00	30-Dec-20	Last trading day of June, Dec
CI-W1		0.07	N/A	0.91	0.53	2.16	1 : 1.0172	N/A	147.86	26.77	98.86	13.22	29-May-20	Last trading day of May,Nov
CKP-W1		0.71	0.42	5.8	0.53	6.00	1 : 1.0007	68.9	15.70	32.16	1,111.15	8.17	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1		0.83	0.08	1.86	0.62	3.00	1 : 1	980.63	105.91	56.65	60.63	2.24	02-Jul-20	15th of Jan, Jul
DCC-W1		0.63	0.52	1.91	1.47	1.15	1 : 1	20.1	-6.81	17.91	1,907.75	3.03	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1		0.69	0.64	7.95	1.64	15.75	1 : 1	8.48	106.79	66.58	182.22	11.52	07-Jul-21	Last trading day of May,Nov

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ECF-W3	0.84	0	2.12	1.26	5.00	1 : 1.0008	N/A	175.41	23.91	129.95	2.53	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.28	0.03	1.2	1.22	1.85	1 : 1	896.86	77.50	34.08	554.43	4.29	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0	0.04	0.54	0.60	1 : 1	N/A	1425.00	224.29	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0	0.04	0.54	0.50	1 : 1	N/A	1175.00	224.29	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	0.01	0.05	0.66	1.00	1 : 2.32054	N/A	4455.44	237.64	190.75	11.60	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.02	0.06	0.05	1.58	1.00	1 : 2.32054	-66.35	4501.85	237.64	16.42	5.80	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.08	0.05	0.14	3.91	0.15	1 : 1	65.35	64.29	69.15	4,216.75	1.75	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.61	0.23	3.72	1.08	4.83	1 : 1.0361	170.81	47.79	37.75	85.54	6.32	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FVC-W2	0.17	0	0.42	0.61	0.96	1 : 1.04545	N/A	175.98	51.36	138.79	2.58	26-Jun-20	Last Trading of June
GJS-W3	0.01	0	0.12	0.22	0.17	1 : 0.5	N/A	23.67	85.52	3,674.43	6.00	07-Feb-20	Last trading day of June, Dec
GLOCON-W4	0.24	0.22	0.75	2.18	0.50	1 : 1	8.99	-1.33	33.52	749.60	3.13	20-Jan-22	Last trading day of Mar, June, Sept, Dec
HPT-W1	0.24	0.18	0.64	1.55	0.50	1 : 1	36.31	15.63	41.25	110.50	2.67	04-Jun-21	Last trading day of June, Dec
ITEL-W1	0.40	0.02	2.72	1.51	5.00	1 : 1	1593.82	98.53	29.43	249.99	6.80	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	1.78	1.5	4.94	0.63	3.61	1 : 1.192	18.74	10.74	68.44	1,294.92	3.31	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.15	0	1.02	0.62	3.50	1 : 1	N/A	257.84	65.27	241.12	6.80	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	0.70	0	4.7	0.48	15.00	1 : 1	N/A	234.04	45.33	108.00	6.71	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	4.60	4.09	21.8	1.78	18.62	1 : 1.02031	12.56	6.65	33.49	222.00	4.84	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.33	0.01	0.92	2.56	2.00	1 : 1	N/A	153.26	25.87	156.48	2.79	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	0.98	0.23	4.72	2.44	4.00	2 : 1	320.8	5.51	31.51	157.10	4.82	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.17	0.02	1.28	1.78	2.10	1 : 1	736.19	77.34	28.45	1,375.54	7.53	27-Aug-21	Last trading day of Mar, June, Sept, Dec
META-W4	0.12	0.03	1.36	1.02	3.50	1 : 1	271.69	166.18	58.80	91.07	11.33	26-Nov-20	29 Aug 19, 28 Nov 19, 27 Feb 20, 26 May 20, 2
MILL-W3	0.01	N/A	0.79	0.09	2.73	1 : 1.099	N/A	271.55	42.76	625.70	86.82	21-Dec-19	Last trading day of June, Dec
MILL-W4	0.03	0.03	0.79	2.65	2.00	1 : 1.099	0.65	172.92	42.76	405.44	28.94	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.01	0	0.79	0.64	1.75	1 : 1.03	N/A	126.21	42.76	905.04	81.37	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	3.24	2.72	36	1.87	43.00	1 : 1	19.12	28.44	25.19	230.88	11.11	30-Sep-21	15th of Feb, May, Aug, Nov

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NCL-W3	SP	0.01	N/A	1.07	0.05	2.40	1 : 1.5	N/A	187.85	35.92	64.88	160.50	07-Dec-19	28 Jun 19, 6 Dec 19
NEWS-W6		0.01	0.01	0.01	1.57	0.02	1 : 1	N/A	160.00	398.38	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1		1.01	0.27	2.28	2.07	6.48	1 : 1.00255	278.92	229.25	71.65	108.78	2.26	13-Dec-21	Last trading day of June, Dec
NOK-W1		0.12	N/A	2.1	0.53	3.19	1 : 1.5695	N/A	90.11	22.72	127.75	27.47	29-May-20	Last trading day of Mar, June, Sept, Dec
NUSA-W3		0.04	0	0.32	0.25	1.00	1 : 1	N/A	225.00	40.98	693.94	8.00	18-Feb-20	Last trading day of May,Nov
NVD-W1		0.12	0	1.85	1.66	7.86	1 : 1.018	N/A	337.32	30.61	276.12	15.69	15-Jul-21	Last trading day of May,Nov
OCEAN-W3		0.40	0.2	1.12	2.24	1.00	1 : 1	97.22	25.00	32.64	603.22	2.80	13-Feb-22	13 Feb 2022
ORI-W1		0.53	0.03	6.55	0.87	13.33	1 : 1	1575.46	111.65	41.57	609.86	12.36	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	SP	0.02	0.03	0.07	3.27	2.00	1 : 1	-21.06	2785.71	150.20	2,460.22	3.50	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PACE-W3	SP	0.08	0.04	0.07	2.78	0.25	1 : 1	91.61	371.43	150.20	1,167.36	0.88	29-Aug-22	29 Nov 19
PDI-W1		0.47	0	7.2	1.49	33.00	1 : 1	N/A	364.86	26.77	75.33	15.32	14-May-21	15 May, 15 Nov
PDJ-W3		0.70	0.67	1.7	0.22	1.00	1 : 1	4.59	0.00	25.04	25.59	2.43	07-Feb-20	7 Feb 20
PDJ-W4		0.65	0.66	1.7	1.22	1.00	1 : 1	-2.21	-2.94	25.04	51.19	2.62	07-Feb-21	7 Feb 21
PERM-W1		0.17	0.08	0.81	2.58	1.80	1 : 1	126.37	143.21	52.24	250.00	4.76	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1		0.72	0.06	2.24	2.52	5.91	1 : 1.09999	1172.97	215.53	40.79	46.00	3.42	27-May-22	Last trading day of June, Dec
PPPM-W4		0.24	0.47	0.73	4.70	1.00	1 : 1	-49.14	69.86	140.65	228.83	3.04	31-Jul-24	Last trading day of Oct
PRIME-W1		0.02	0	0.36	1.10	1.08	1 : 1.3946	N/A	284.81	65.33	347.00	25.10	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PRIME-W2		0.02	0	0.36	1.10	1.53	1 : 1.3095	N/A	431.88	65.33	261.75	23.57	22-Dec-20	Last trading day of Mar, June, Sept, Dec
PROUD-W2		0.41	0.19	1.5	0.63	1.53	1 : 1.174	114.81	34.67	40.89	31.68	4.30	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2		0.04	N/A	0.97	0.62	2.25	1 : 1.22449	N/A	166.13	18.36	157.08	29.69	02-Jul-20	Last Trading day of Jan, Jul
RS-W3		1.58	1.32	13	0.51	12.44	1 : 1.0047	19.48	7.90	35.62	187.52	8.27	23-May-20	Last trading day of Apr, Oct
SAMART-W2		0.52	0.04	6.7	1.50	14.80	1 : 1.014	1075.62	130.46	35.54	335.43	13.07	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1		0.11	0.03	0.92	0.95	1.00	1 : 1	281.11	20.65	20.21	93.41	8.36	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20
SAWAD-W1		17.40	18.7	62.75	0.56	48.48	1 : 1.237	-6.95	6.16	34.34	39.95	4.46	11-Jun-20	Last trading day of May,Nov
SDC-W1		0.10	0.02	0.19	3.54	0.50	1 : 1	374.41	215.79	49.10	1,731.04	1.90	01-Jun-23	Last trading day of June, Dec

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	Market	Black Scholes											
SIMAT-W2	0.15	N/A	1.59	0.50	13.32	1 : 1.1261	N/A	841.39	24.95	37.81	11.94	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.22	N/A	1.59	5.50	26.64	1 : 1.1261	N/A	1789.73	24.95	37.81	8.14	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.63	0.6	1.59	1.64	1.00	1 : 1	5.48	2.52	24.95	43.69	2.52	08-Jul-21	9 Jul 2021
SINGER-W1	1.85	0.89	5.8	1.43	7.00	1 : 1	107.06	52.59	48.83	65.75	3.14	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.30	0.68	5.8	3.42	14.00	1 : 1	90	163.79	48.83	65.75	4.46	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMART-W2	0.23	0.05	0.96	1.87	1.50	1 : 1	327.53	80.21	35.25	92.00	4.17	01-Oct-21	Last Trading Day of May 20, Nov 20, May 21 an
SMT-W2	0.10	0	1	0.53	2.10	1 : 1	N/A	120.00	27.41	209.12	10.00	29-May-20	Last trading day of Mar, Sept , Dec
SST-W2	1.00	0	4.26	1.87	10.00	1 : 1	N/A	158.22	22.67	30.39	4.26	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.28	0.2	3.14	0.26	4.00	1 : 1	39.86	36.31	88.56	135.45	11.21	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.02	0	0.56	0.79	2.50	1 : 1	N/A	350.00	39.24	5,469.68	28.00	31-Aug-20	Last trading day of Feb, May, Aug ,Nov
SVI-W3	0.87	0.75	4.98	0.35	4.44	1 : 1	16.71	6.63	38.13	30.00	5.72	26-Mar-20	15 of Jul
SWC-W1	2.90	0.64	3.9	2.39	1.00	1 : 1	352.49	0.00	32.88	143.32	1.34	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.03	0	0.4	1.20	1.88	1 : 1.07	N/A	403.93	36.70	400.00	14.27	28-Jan-21	Last trading day of Dec
TCC-W3	0.05	0.02	0.24	2.37	0.81	1 : 1.23886	156.26	318.49	60.24	92.20	5.95	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.04	0.03	0.24	3.49	0.90	1 : 1.10801	47.9	324.55	60.24	369.34	6.65	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.14	0.12	0.24	8.52	0.50	1 : 1	19.32	166.67	60.24	98.41	1.71	24-May-28	Last trading day of Jul
TCJ-W2	0.18	0	3.98	0.55	9.80	1 : 1.02	N/A	153.87	27.19	31.53	22.55	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	SP	0	2.12	0.03	4.00	1 : 1	N/A	89.15	35.85	254.40	212.00	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.56	0	3.94	0.50	9.50	1 : 1	N/A	155.33	47.71	510.81	7.04	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.01	0.02	0.07	3.84	0.50	1 : 1	-50.63	628.57	108.71	1,944.51	7.00	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.01	0	1.4	0.41	3.50	4 : 1	N/A	150.71	34.26	2,191.76	140.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.05	0	0.6	0.58	1.00	1 : 1	N/A	75.00	38.96	321.67	12.00	16-Jun-20	Last Trading of June
TNITY-W1	0.29	0	3.74	1.33	5.00	1 : 1	N/A	41.44	15.76	97.28	12.90	19-Mar-21	Last trading day of Mar, June, Sept, Dec
TRITN-W3	0.10	0.06	0.29	1.53	0.25	1 : 1.00027	60.27	20.67	34.98	1,606.61	2.90	29-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	0.57	0.04	6.1	1.61	18.00	1 : 1	1223.91	204.43	41.80	112.00	10.70	28-Jun-21	Last trading day of June, Dec

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	Market	Black Scholes											
TVD-W2	0.19	0.08	1.03	1.37	1.00	1 : 1.002	144.63	15.37	26.04	162.48	5.43	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.01	0	0.07	0.20	0.10	1 : 1	N/A	57.14	98.37	2,289.87	7.00	31-Jan-20	30 Jan 20
UAC-W2	0.19	N/A	2.86	0.62	5.55	1 : 1	N/A	100.70	15.93	66.76	15.05	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.19	0.01	0.41	0.32	0.50	1 : 1	1552.89	68.29	42.63	103.01	2.16	14-Mar-20	Last trading day of May,Nov
U-W4	0.01	0	1.88	3.32	6.00	1 : 0.01	N/A	2.20	41.15	141,895.49	1.88	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	1.82	1.44	9.65	2.82	10.00	1 : 1	26.47	22.49	26.22	1,661.33	5.30	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	0.85	0.78	1.81	0.57	1.00	1 : 1.00086	8.33	2.16	20.76	361.66	2.13	14-Jun-20	30th of Sep
VIBHA-W3	0.19	0.02	1.81	2.57	3.00	1 : 1.00086	824.02	76.14	20.76	1,011.62	9.53	14-Jun-22	30 Sep of each year
WAVE-W1	0.13	0	1.69	0.47	6.00	1 : 1	N/A	262.72	41.03	42.12	13.00	08-May-20	Last trading day of June, Dec
WHA-W1	11.20	11.9	4.58	0.29	3.42	1 : 10.2396	-5.85	2244.24	18.74	79.06	4.19	04-Mar-20	25 of Jun, Dec
WIK-W2	0.12	N/A	1.14	2.13	4.22	1 : 1.185	N/A	332.74	36.65	124.97	11.26	02-Jan-22	Last Business Day of December of each year.
ZMICO-W4	0.08	N/A	0.73	4.42	2.70	1 : 2	N/A	561.64	30.31	413.03	18.25	17-Apr-24	Last trading day of Mar, June, Sept, Dec