

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											
AJA-W1	0.05	N/A	0.21	0.29	1.53	1 : 1.30972	N/A	852.57	67.20	749.96	5.50	20-Nov-19	Last trading day of Mar, Sept
AKR-W1	0.18	0.06	0.78	1.82	1.00	1 : 1	221.87	51.28	33.52	671.57	4.33	30-May-21	Last trading day of Feb, May, Aug ,Nov
ALT-W1	0.60	0.17	2.76	1.37	3.00	1 : 1	263.41	30.43	19.85	230.98	4.60	18-Dec-20	15th of Mar, Sep
APEX-W1	0.03	0.01	0.19	1.90	0.40	1 : 1	100.86	126.32	51.91	499.97	6.33	30-Jun-21	Last trading day of June, Dec
APURE-W2	0.15	0.61	1.35	1.83		1 : 1	-75.56		19.67	95.83	9.00	04-Jun-21	Last trading day of Mar, June, Sept, Dec
AS-W1	0.07	0	0.74	0.78	2.00	1 : 1	N/A	179.73	49.25	102.47	10.57	14-May-20	25 Jun and 25 Dec of each year
AYUD-W1	3.82	3.9	41.5	0.76	39.00	1 : 1	-1.99	3.18	21.73	78.56	10.86	08-May-20	15th of Jun, Dec
B52-W1	0.01	0	0.21	0.10	2.28	1 : 0.657	N/A	651.68	58.61	658.50	13.80	10-Sep-19	Last trading day of June, Dec
B52-W2	0.01	0	0.21	0.84	7.10	1 : 0.211	N/A	693.59	58.61	1,756.00	4.43	05-Jun-20	Last trading day of June, Dec
BKD-W2	0.16	0	2.82	3.32	3.97	1 : 1.00731	N/A	46.83	11.33	358.73	17.75	30-Nov-22	Last trading day of Nov
BM-W1	0.22	0.01	2.3	1.03	4.00	1 : 1	1443.93	83.48	32.58	110.00	10.45	14-Aug-20	16 Aug 2020
BROOK-W5	0.26	0.16	0.51	2.79	0.25	1 : 1	60.24	0.00	40.97	1,407.54	1.96	20-May-22	Last trading day of Mar, June, Sept, Dec
BTS-W4	1.96	1.97	12.4	0.32	10.38	1 : 1.011	-0.39	-0.46	22.33	611.53	6.40	29-Nov-19	Last trading day of Mar, June, Sept, Dec
B-W3	0.01	0	0.52	1.40	6.53	1 : 0.09188	N/A	106.37	72.40	3,437.23	4.78	28-Dec-20	30 of Nov
B-W4	0.09	0.08	0.52	1.91	1.20	1 : 1	12.37	148.08	72.40	96.85	5.78	01-Jul-21	Last trading day of June, Dec
CGD-W4	0.14	0	1.05	1.89	2.75	1 : 1	N/A	175.24	23.40	1,652.87	7.50	26-Jun-21	Last trading day of June, Dec
CGH-W3	0.04	0.01	0.88	1.81	2.00	1 : 1	N/A	131.82	34.83	1,445.62	22.00	28-May-21	Last trading day of May, Nov
CHEWA-W1	0.03	0	0.8	0.31	1.75	1 : 1	N/A	122.50	31.19	467.34	26.67	27-Nov-19	28 Dec 18, 28 Jun 19, 27 Nov 19
CHO-W2	0.25	0.12	0.91	1.41	0.86	1 : 1	106.73	21.98	32.21	649.42	3.64	30-Dec-20	Last trading day of June, Dec
CI-W1	0.12	0	1.19	0.82	2.16	1 : 1.0172	N/A	93.41	26.39	98.86	10.09	29-May-20	Last trading day of May, Nov
CKP-W1	1.03	0.74	6.4	0.81	6.00	1 : 1.0007	38.9	9.85	25.20	1,276.18	6.22	28-May-20	Last trading day of Mar, June, Sept, Dec
CRANE-W1	1.13	0.15	1.87	0.91	3.00	1 : 1	655.82	120.86	59.92	60.63	1.65	02-Jul-20	15th of Jan, Jul
DCC-W1	0.79	0.71	2.16	1.76	1.15	1 : 1	11.4	-10.19	22.60	1,907.75	2.73	08-May-21	8 May 2019, 8 May 2020, 8 May 2021
DOD-W1	2.10	1.55	11.5	1.92	15.75	1 : 1	35.78	55.22	58.16	182.22	5.48	07-Jul-21	Last trading day of May, Nov
EARTH-W4 <i>SP</i>	0.01	0	0.46	0.11	6.86	1 : 1.02	N/A	1421.57	237.11	1,409.63	46.92	15-Sep-19	15th of Mar, Sep

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	Market	Black Scholes											
ECF-W3	1.25	0.01	2.42	1.55	5.00	1 : 1.0008	9968.49	158.22	29.24	129.95	1.94	20-Feb-21	25 May 19, 25 Aug 19, 25 Nov 19, 25 Feb 20, 2
ECL-W3	0.59	0.14	1.66	1.51	1.85	1 : 1	313.27	46.99	31.19	554.43	2.81	05-Feb-21	Last Business Day of evert six month from the is
EFORL-W3	0.01	0.01	0.04	0.82	0.60	1 : 1	N/A	1425.00	203.42	1,377.16	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EFORL-W4	0.01	0.01	0.04	0.82	0.50	1 : 1	N/A	1175.00	203.42	772.51	4.00	01-Jun-20	22 Jun and 22 Dec of each year
EIC-W2	0.01	0.01	0.05	0.95	1.00	1 : 2.32054	N/A	4455.44	194.55	190.75	11.60	16-Jul-20	Last trading day of June, Dec
EIC-W3	0.01	0.04	0.05	1.87	1.00	1 : 2.32054	-77.23	4455.44	194.55	16.42	11.60	16-Jun-21	Last trading day of June, Dec
EMC-W6	0.14	0.09	0.23	4.20	0.15	1 : 1	62.12	26.09	51.08	4,216.75	1.64	15-Oct-23	15th of Apr,Oct
EPCO-W3	0.59	0.18	3.58	1.37	4.83	1 : 1.0361	226.94	53.13	34.08	85.54	6.29	16-Dec-20	Last trading day of Jan, Apr, Jul, Oct
FC-W1	0.06	0	0.41	1.38	1.08	1 : 1.3946	N/A	246.67	56.71	347.00	9.53	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FC-W2	0.04	0	0.41	1.38	1.53	1 : 1.3095	N/A	369.63	56.71	261.75	13.42	22-Dec-20	Last trading day of Mar, June, Sept, Dec
FVC-W2	0.26	0.01	0.55	0.89	0.96	1 : 1.04545	N/A	126.78	38.48	138.79	2.21	26-Jun-20	Last Trading of June
GJS-W3	0.01	0.01	0.16	0.51	0.17	1 : 0.5	N/A	5.25	81.25	3,674.43	8.00	07-Feb-20	Last trading day of June, Dec
GSTEEL-W1 SP	0.01	0	0.09	0.14	2.75	1 : 0.2	N/A	593.33	201.18	5,676.19	1.80	26-Sep-19	Last trading day of June, Dec
GSTEEL-W2 SP	0.01	0	0.09	0.14	2.75	1 : 0.2	N/A	593.33	201.18	1,348.65	1.80	26-Sep-19	Last trading day of June, Dec
HPT-W1	0.46	0.25	0.74	1.83	0.50	1 : 1	80.54	29.73	41.49	110.50	1.61	04-Jun-21	Last trading day of June, Dec
IHL-W1	2.00	1.55	5.15	0.18	3.50	1 : 1	28.99	6.80	43.04	13.04	2.58	11-Oct-19	Last trading day of Mar, Sept
ITEL-W1	0.54	0.09	3.5	1.80	5.00	1 : 1	474.37	58.29	24.96	249.99	6.48	22-May-21	Last trading day of Mar, June, Sept, Dec
JAS-W3	3.46	2.38	6.25	0.92	3.61	1 : 1.192	45.36	15.54	41.86	1,304.56	2.15	05-Jul-20	Last trading day of Mar, June, Sept, Dec
JCK-W5	0.30	0	1.48	0.90	3.50	1 : 1	N/A	156.76	31.16	241.12	4.93	30-Jun-20	Last trading day of Mar, June, Sept, Dec
JKN-W1	1.72	0.03	7.9	0.76	15.00	1 : 1	5619.41	111.65	38.09	108.00	4.59	10-May-20	15 Dec 2018, 15 Jun 2019, 15 Dec 2019, 8 May
JMT-W2	3.28	2.15	17.4	2.06	18.62	1 : 1.02031	52.88	26.40	35.25	222.00	5.41	27-Aug-21	Last trading day of Mar, June, Sept, Dec
J-W1	0.70	0.03	1.02	2.85	2.00	1 : 1	2179.71	164.71	28.72	156.48	1.46	10-Jun-22	Last trading day of Mar, June, Sept, Dec
LIT-W1	1.40	0.56	5.6	2.72	4.00	2 : 1	150.29	-3.57	33.29	157.10	4.00	25-Apr-22	25 of Jan, Apr, Jul, Oct
MACO-W2	0.22	0.05	1.53	2.06	2.10	1 : 1	303.78	51.63	25.39	1,375.54	6.95	27-Aug-21	Last trading day of Mar, June, Sept, Dec
MILL-W3	0.01	N/A	0.88	0.38	2.73	1 : 1.099	N/A	232.54	32.20	625.70	96.71	21-Dec-19	Last trading day of June, Dec

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	Market	Black Scholes											
MILL-W4	0.07	0.02	0.88	2.93	2.00	1 : 1.099	286.32	148.99	32.20	405.44	13.82	11-Jul-22	Last trading day of Mar, June, Sept, Dec
MILL-W5	0.03	0	0.88	0.93	1.75	1 : 1.03	N/A	105.11	32.20	905.04	30.21	10-Jul-20	Last trading day of Mar, June, Sept, Dec
MINT-W6	4.86	3.63	39	2.16	43.00	1 : 1	33.83	22.72	21.51	230.94	8.02	30-Sep-21	15th of Feb, May, Aug, Nov
MONO-W1	0.12	0	1.76	0.20	2.46	1 : 1.015	N/A	47.52	26.88	1,352.35	14.89	17-Oct-19	Last trading day of Mar, June, Sept, Dec
NCL-W3	0.12	N/A	1.23	0.34	2.40	1 : 1.5	N/A	157.32	30.65	64.88	15.38	06-Dec-19	28 Jun 19, 6 Dec 19
NEP-W3	0.01	0	0.28	0.11	0.55	1 : 1	N/A	100.00	58.62	208.41	28.00	13-Sep-19	15th of Mar, June ,Sep, Dec
NEWS-W6	0.01	0.01	0.01	1.85	0.02	1 : 1	N/A	160.00	352.18	14,570.70	1.00	12-Jun-21	6 Jul 18, Last trading day of Jun, Dec
NFC-W1	1.84	1	3.72	2.36	6.48	1 : 1.00255	84.25	124.07	75.96	108.78	2.03	13-Dec-21	Last trading day of June, Dec
NOK-W1	0.18	N/A	2.26	0.82	3.19	1 : 1.5695	N/A	76.79	46.40	127.75	19.71	29-May-20	Last trading day of Mar, June, Sept, Dec
NPPG-W4	0.58	0.41	1.03	2.46	0.50	1 : 1	40.23	4.85	34.49	749.60	1.78	20-Jan-22	Last trading day of Mar, June, Sept, Dec
NUSA-W3	0.15	0	0.38	0.54	1.00	1 : 1	N/A	202.63	52.52	693.94	2.53	18-Feb-20	Last trading day of May,Nov
NVD-W1	0.19	0	2.84	1.95	7.86	1 : 1.018	N/A	186.75	23.42	276.12	15.22	15-Jul-21	Last trading day of May,Nov
OCEAN-W3	0.54	0.48	1.25	2.53	1.00	1 : 1	11.88	23.20	86.13	603.22	2.31	13-Feb-22	13 Feb 2022
ORI-W1	0.98	0.19	8.15	1.16	13.33	1 : 1	408.34	75.62	39.73	609.86	8.32	30-Sep-20	Last trading day of Mar, June, Sept, Dec
PACE-W2	0.03	0.02	0.25	3.55	2.00	1 : 1	56.25	712.00	70.57	2,460.22	8.33	22-Feb-23	21 Feb 20, Last trading day of Jun and Dec
PDI-W1	1.06	0	9.5	1.78	33.00	1 : 1	N/A	258.53	29.65	75.33	8.96	14-May-21	15 May, 15 Nov
PDJ-W3	0.50	0.5	1.51	0.51	1.00	1 : 1	0.42	-0.66	26.10	25.59	3.02	07-Feb-20	7 Feb 20
PDJ-W4	0.53	0.51	1.51	1.51	1.00	1 : 1	3.88	1.32	26.10	51.19	2.85	07-Feb-21	7 Feb 21
PERM-W1	0.31	0.3	1.09	2.87	1.80	1 : 1	3.54	93.58	74.82	250.00	3.52	17-Jun-22	30 Sept 19, 17 Jun 22
PORT-W1	1.29	0.5	4.78	2.81	6.50	1 : 1	157.71	62.97	32.19	46.00	3.71	27-May-22	Last trading day of June, Dec
PROUD-W2	0.56	0.36	1.5	0.92	1.53	1 : 1.174	56.36	46.41	58.76	31.68	3.14	06-Jul-20	Last trading day of Mar, June, Sept, Dec
RICHY-W2	0.07	N/A	1.31	0.91	2.25	1 : 1.22449	N/A	94.03	22.16	157.08	22.92	02-Jul-20	Last Trading day of Jan, Jul
RS-W3	5.10	3.23	15.7	0.80	12.47	1 : 1.0028	58.04	11.92	37.31	187.52	3.09	23-May-20	Last trading day of Apr, Oct
SAMART-W2	0.85	0.5	10	1.78	14.80	1 : 1.014	68.4	57.29	34.76	335.43	11.93	17-May-21	16 Nov 18, ... every 6 months..., 17 May 21
SANKO-W1	0.20	0.06	1	1.24	1.00	1 : 1	223.19	20.00	18.06	93.41	5.00	30-Oct-20	19 Apr 19, 30 Oct 19, 29 Apr 20, 30 Oct 20

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	Market	Black Scholes											
SAWAD-W1	8.10	10.74	54.5	0.82	48.48	1 : 1.237	-24.58	4.71	31.10	39.95	8.32	29-May-20	Last trading day of May,Nov
SDC-W1	0.15	0.07	0.32	3.82	0.50	1 : 1	117.52	103.13	46.43	1,731.04	2.13	01-Jun-23	Last trading day of June, Dec
SIMAT-W2	0.27	N/A	1.5	0.79	13.32	1 : 1.1261	N/A	907.64	38.35	37.81	6.26	19-May-20	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W3	0.28	0	1.5	5.79	26.64	1 : 1.1261	N/A	1908.37	38.35	37.81	6.03	19-May-25	Last trading day of Jan, Apr, Jul, Oct
SIMAT-W4	0.61	0.57	1.5	1.93	1.00	1 : 1	6.38	7.33	38.35	43.69	2.46	08-Jul-21	9 Jul 2021
SINGER-W1	2.52	2.32	8.3	1.72	7.00	1 : 1	8.51	14.70	45.64	65.75	3.29	23-Apr-21	Last trading day of Mar, June, Sept, Dec
SINGER-W2	1.96	1.53	8.3	3.71	14.00	1 : 1	28.4	92.29	45.64	65.75	4.23	21-Apr-23	Last trading day of Mar, June, Sept, Dec
SMT-W2	0.40	0.1	1.83	0.82	2.10	1 : 1	304.67	36.61	30.43	209.12	4.58	29-May-20	Last trading day of Mar, Sept, Dec
SPORT-W7	0.02	0	0.14	0.07	0.20	1 : 1	N/A	57.14	78.82	84.40	7.00	30-Aug-19	Last trading day of each month
SST-W2	1.47	0.02	4.56	2.16	10.00	1 : 1	9632.36	151.54	24.39	30.39	3.10	30-Sep-21	Last trading day of June, Dec
STAR-W3	0.48	0.15	3.78	0.55	4.00	1 : 1	226.03	18.52	26.45	135.45	7.88	21-Feb-20	25 of Jun, Dec
SUPER-W4	0.05	0	0.68	1.07	2.50	1 : 1	N/A	275.00	35.70	5,469.68	13.60	31-Aug-20	Last trading day of Feb, May, Aug, Nov
SVI-W3	1.12	0.17	3.96	0.64	4.44	1 : 1	550.86	40.40	27.54	31.00	3.54	26-Mar-20	15 of Jul
SWC-W1	3.94	1.29	5.3	2.68	1.00	1 : 1	204.73	-6.79	48.08	149.99	1.35	08-Apr-22	Last business day of every 6 month after the iss
TAKUNI-W	0.10	0	0.58	1.48	1.88	1 : 1.07	N/A	258.28	34.06	400.00	6.21	28-Jan-21	Last trading day of Dec
TCC-W3	0.08	0.01	0.34	2.66	0.81	1 : 1.23886	N/A	199.31	36.46	92.20	5.27	01-Apr-22	Last trading day of Mar, June, Sept, Dec
TCC-W4	0.08	0.02	0.34	3.78	0.90	1 : 1.10801	419.14	209.54	36.46	369.34	4.71	14-May-23	Last trading day of Mar, June, Sept, Dec
TCC-W5	0.20	0.12	0.34	8.81	0.50	1 : 1	69.41	105.88	36.46	98.41	1.70	24-May-28	Last trading day of Jul
TCJ-W2	0.60	0	4.98	0.84	9.80	1 : 1.02	N/A	111.09	19.73	31.53	8.47	05-Jun-20	Last trading day of Mar, June, Sept, Dec
TCMC-W2	0.15	0.04	2.56	0.32	4.00	1 : 1	284.26	62.11	62.61	254.40	17.07	30-Nov-19	Last trading day of Mar, Sept
TFG-W2	0.81	0.01	4.44	0.79	9.50	1 : 1	5693.66	132.21	40.66	510.81	5.48	18-May-20	Last trading day of June, Dec
TGPRO-W3	0.02	0.02	0.11	4.13	0.50	1 : 1	-6.05	372.73	78.01	1,944.51	5.50	20-Sep-23	Last trading day of Mar, June, Sept, Dec
THE-W2	0.02	0	2.26	0.70	3.50	4 : 1	N/A	55.75	29.37	2,191.76	113.00	17-Apr-20	Last trading day of Apr, Oct
TH-W2	0.17	0.01	0.74	0.87	1.00	1 : 1	1143.26	58.11	29.67	321.67	4.35	16-Jun-20	Last Trading of June
TNITY-W1	0.47	0.03	4.26	1.62	5.00	1 : 1	1287.85	28.40	15.68	97.28	9.06	19-Mar-21	Last trading day of Mar, June, Sept, Dec

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	Market	Black Scholes											
TRITN-W3	0.20	0.11	0.35	1.81	0.25	1 : 1.00027	84.44	28.56	37.01	1,606.61	1.75	28-May-21	Last trading day of Mar, June, Sept, Dec
TTCL-W1	1.02	0.36	10.2	1.90	18.00	1 : 1	182.28	86.47	33.89	112.00	10.00	28-Jun-21	Last trading day of June, Dec
TVD-W2	0.41	0.23	1.3	1.66	1.00	1 : 1.002	81.37	8.32	26.71	162.48	3.18	02-Apr-21	Last trading day of June, Dec
TWZ-W5	0.01	0.01	0.08	0.49	0.10	1 : 1	-25.56	37.50	107.03	2,289.87	8.00	31-Jan-20	30 Jan 20
UAC-W2	0.59	0	3.04	0.90	5.55	1 : 1	N/A	101.97	18.89	66.76	5.15	30-Jun-20	Last trading day of Mar, June, Sept, Dec
UKEM-W2	0.46	0.08	0.56	0.61	0.50	1 : 1	446.56	71.43	32.62	103.01	1.22	14-Mar-20	Last trading day of May,Nov
U-W1	0.01	N/A	1.84	0.25	6.00	1 : 0.01	N/A	2.27	27.56	180,628.31	1.84	06-Nov-19	Last trading day of Mar, June, Sept, Dec
U-W4	0.01	0	1.84	3.61	6.00	1 : 0.01	N/A	2.27	27.56	141,895.49	1.84	15-Mar-23	Last trading day of Mar, June, Sept, Dec
VGI-W2	1.51	1.52	9.5	3.10	10.00	1 : 1	-0.51	21.16	28.07	1,711.33	6.29	11-Sep-22	Last trading day of Mar, June, Sept, Dec
VIBHA-W2	1.19	1.16	2.2	0.86	1.00	1 : 1.00086	2.95	-0.50	19.33	426.70	1.85	14-Jun-20	30th of Sep
VIBHA-W3	0.27	0.08	2.2	2.86	3.00	1 : 1.00086	230.17	48.54	19.33	1,011.78	8.16	14-Jun-22	30 Sep of each year
WAVE-W1	0.43	0	1.85	0.76	6.00	1 : 1	N/A	247.57	36.59	42.12	4.30	08-May-20	Last trading day of June, Dec
WHA-W1	12.10	12.57	4.64	0.58	3.42	1 : 10.2396	-3.71	2400.59	18.12	79.06	3.93	04-Mar-20	25 of Jun, Dec
WIJK-W2	0.19	N/A	1.53	2.41	4.22	1 : 1.185	N/A	223.14	25.30	124.97	9.54	02-Jan-22	Last Business Day of December of each year.
WORK-W1	9.05	0.07	26.5	0.15	38.10	1 : 1	3791.57	77.92	46.97	3.42	2.93	30-Sep-19	25th of Feb, May, Aug, Nov
ZMICO-W4	0.10	N/A	0.9	4.70	2.70	1 : 2	N/A	422.22	19.30	413.03	18.00	17-Apr-24	Last trading day of Mar, June, Sept, Dec