



**RATING TABLE**

**เดือนกุมภาพันธ์ 2567**

Rating Table for Rating Curve No. S.HC 2506/Y2023 from 1 Apr 2023 to 31 Mar 2024

Name of Stream Khlong Ta kuaw Pa River System Peninsula West Coast Station Ban Thalad Kao

Province Phang-nga Region Southern Code X.186

Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.
-2.00			-1.80	0.00		-1.60	2.50		-1.40	7.00		-1.20	15.00	
-1.99			-1.79	0.10		-1.59	2.70		-1.39	7.40		-1.19	15.50	
-1.98			-1.78	0.20		-1.58	2.90		-1.38	7.80		-1.18	16.00	
-1.97			-1.77	0.30		-1.57	3.10		-1.37	8.20		-1.17	16.50	
-1.96			-1.76	0.40		-1.56	3.30		-1.36	8.60		-1.16	17.00	
-1.95			-1.75	0.50	1.00	-1.55	3.50	2.00	-1.35	9.00	4.00	-1.15	17.50	5.00
-1.94			-1.74	0.60		-1.54	3.70		-1.34	9.40		-1.14	18.00	
-1.93			-1.73	0.70		-1.53	3.90		-1.33	9.80		-1.13	18.50	
-1.92			-1.72	0.80		-1.52	4.10		-1.32	10.20		-1.12	19.00	
-1.91			-1.71	0.90		-1.51	4.30		-1.31	10.60		-1.11	19.50	
-1.90			-1.70	1.00		-1.50	4.50		-1.30	11.00		-1.10	20.00	
-1.89			-1.69	1.15		-1.49	4.75		-1.29	11.40		-1.09	20.50	
-1.88			-1.68	1.30		-1.48	5.00		-1.28	11.80		-1.08	21.00	
-1.87			-1.67	1.45		-1.47	5.25		-1.27	12.20		-1.07	21.50	
-1.86			-1.66	1.60		-1.46	5.50		-1.26	12.60		-1.06	22.00	
-1.85			-1.65	1.75	1.50	-1.45	5.75	2.50	-1.25	13.00	4.00	-1.05	22.50	5.00
-1.84			-1.64	1.90		-1.44	6.00		-1.24	13.40		-1.04	23.00	
-1.83			-1.63	2.05		-1.43	6.25		-1.23	13.80		-1.03	23.50	
-1.82			-1.62	2.20		-1.42	6.50		-1.22	14.20		-1.02	24.00	
-1.81			-1.61	2.35		-1.41	6.75		-1.21	14.60		-1.01	24.50	

Note .....

.....

.....

.....

Computed by I.Arun Checked by K.Praphan



**RATING TABLE**

**เดือนกุมภาพันธ์ 2567**

Rating Table for Rating Curve No. S.HC 2506/Y2023 from 1 Apr 2023 to 31 Mar 2024  
 Name of Stream Khlong Ta kuaw Pa River System Peninsula West Coast Station Ban Thalot Kao  
 Province Phang-nga Region Southern Code X.186

Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.
-1.00	25.00		-0.80	37.00		-0.60	49.50		-0.40	62.50		-0.20	76.00	
-0.99	25.60		-0.79	37.60		-0.59	50.15		-0.39	63.15		-0.19	76.70	
-0.98	26.20		-0.78	38.20		-0.58	50.80		-0.38	63.80		-0.18	77.40	
-0.97	26.80		-0.77	38.80		-0.57	51.45		-0.37	64.45		-0.17	78.10	
-0.96	27.40		-0.76	39.40		-0.56	52.10		-0.36	65.10		-0.16	78.80	
-0.95	28.00	6.00	-0.75	40.00	6.00	-0.55	52.75	6.50	-0.35	65.75	6.50	-0.15	79.50	7.00
-0.94	28.60		-0.74	40.60		-0.54	53.40		-0.34	66.40		-0.14	80.20	
-0.93	29.20		-0.73	41.20		-0.53	54.05		-0.33	67.05		-0.13	80.90	
-0.92	29.80		-0.72	41.80		-0.52	54.70		-0.32	67.70		-0.12	81.60	
-0.91	30.40		-0.71	42.40		-0.51	55.35		-0.31	68.35		-0.11	82.30	
-0.90	31.00		-0.70	43.00		-0.50	56.00		-0.30	69.00		-0.10	83.00	
-0.89	31.60		-0.69	43.65		-0.49	56.65		-0.29	69.70		-0.09	83.70	
-0.88	32.20		-0.68	44.30		-0.48	57.30		-0.28	70.40		-0.08	84.40	
-0.87	32.80		-0.67	44.95		-0.47	57.95		-0.27	71.10		-0.07	85.10	
-0.86	33.40		-0.66	45.60		-0.46	58.60		-0.26	71.80		-0.06	85.80	
-0.85	34.00	6.00	-0.65	46.25	6.50	-0.45	59.25	6.50	-0.25	72.50	7.00	-0.05	86.50	7.00
-0.84	34.60		-0.64	46.90		-0.44	59.90		-0.24	73.20		-0.04	87.20	
-0.83	35.20		-0.63	47.55		-0.43	60.55		-0.23	73.90		-0.03	87.90	
-0.82	35.80		-0.62	48.20		-0.42	61.20		-0.22	74.60		-0.02	88.60	
-0.81	36.40		-0.61	48.85		-0.41	61.85		-0.21	75.30		-0.01	89.30	

Note .....

.....

.....

.....

Computed by I.Arun Checked by K.Prapan



**RATING TABLE**

**เดือนกุมภาพันธ์ 2567**

Rating Table for Rating Curve No. S.HC 2506/Y2023 from 1 Apr 2023 to 31 Mar 2024  
 Name of Stream Khlong Ta kuaw Pa River System Peninsula West Coast Station Ban Thalot Kao  
 Province Phang-nga Region Southern Code X.186

Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.
0.00	90.00		0.20	104.00		0.40	118.00		0.60	132.00		0.80	147.00	
0.01	90.70		0.21	104.70		0.41	118.70		0.61	132.70		0.81	147.80	
0.02	91.40		0.22	105.40		0.42	119.40		0.62	133.40		0.82	148.60	
0.03	92.10		0.23	106.10		0.43	120.10		0.63	134.10		0.83	149.40	
0.04	92.80		0.24	106.80		0.44	120.80		0.64	134.80		0.84	150.20	
0.05	93.50	7.00	0.25	107.50	7.00	0.45	121.50	7.00	0.65	135.50	7.00	0.85	151.00	8.00
0.06	94.20		0.26	108.20		0.46	122.20		0.66	136.20		0.86	151.80	
0.07	94.90		0.27	108.90		0.47	122.90		0.67	136.90		0.87	152.60	
0.08	95.60		0.28	109.60		0.48	123.60		0.68	137.60		0.88	153.40	
0.09	96.30		0.29	110.30		0.49	124.30		0.69	138.30		0.89	154.20	
0.10	97.00		0.30	111.00		0.50	125.00		0.70	139.00		0.90	155.00	
0.11	97.70		0.31	111.70		0.51	125.70		0.71	139.80		0.91	155.80	
0.12	98.40		0.32	112.40		0.52	126.40		0.72	140.60		0.92	156.60	
0.13	99.10		0.33	113.10		0.53	127.10		0.73	141.40		0.93	157.40	
0.14	99.80		0.34	113.80		0.54	127.80		0.74	142.20		0.94	158.20	
0.15	100.50	7.00	0.35	114.50	7.00	0.55	128.50	7.00	0.75	143.00	8.00	0.95	159.00	8.00
0.16	101.20		0.36	115.20		0.56	129.20		0.76	143.80		0.96	159.80	
0.17	101.90		0.37	115.90		0.57	129.90		0.77	144.60		0.97	160.60	
0.18	102.60		0.38	116.60		0.58	130.60		0.78	145.40		0.98	161.40	
0.19	103.30		0.39	117.30		0.59	131.30		0.79	146.20		0.99	162.20	

Note .....

.....

.....

.....

Computed by I.Arun Checked by K.Prphan



**RATING TABLE**

**เดือนกุมภาพันธ์ 2567**

Rating Table for Rating Curve No. S.HC 2506/Y2023 from 1 Apr 2023 to 31 Mar 2024  
 Name of Stream Khlong Ta kuaw Pa River System Peninsula West Coast Station Ban Thalat Kao  
 Province Phang-nga Region Southern Code X.186

Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.
1.00	163.00		1.20	179.00		1.40	195.00		1.60	212.00		1.80	230.00	
1.01	163.80		1.21	179.80		1.41	195.80		1.61	212.90		1.81	230.90	
1.02	164.60		1.22	180.60		1.42	196.60		1.62	213.80		1.82	231.80	
1.03	165.40		1.23	181.40		1.43	197.40		1.63	214.70		1.83	232.70	
1.04	166.20		1.24	182.20		1.44	198.20		1.64	215.60		1.84	233.60	
1.05	167.00	8.00	1.25	183.00	8.00	1.45	199.00	8.00	1.65	216.50	9.00	1.85	234.50	9.00
1.06	167.80		1.26	183.80		1.46	199.80		1.66	217.40		1.86	235.40	
1.07	168.60		1.27	184.60		1.47	200.60		1.67	218.30		1.87	236.30	
1.08	169.40		1.28	185.40		1.48	201.40		1.68	219.20		1.88	237.20	
1.09	170.20		1.29	186.20		1.49	202.20		1.69	220.10		1.89	238.10	
1.10	171.00		1.30	187.00		1.50	203.00		1.70	221.00		1.90	239.00	
1.11	171.80		1.31	187.80		1.51	203.90		1.71	221.90		1.91	239.90	
1.12	172.60		1.32	188.60		1.52	204.80		1.72	222.80		1.92	240.80	
1.13	173.40		1.33	189.40		1.53	205.70		1.73	223.70		1.93	241.70	
1.14	174.20		1.34	190.20		1.54	206.60		1.74	224.60		1.94	242.60	
1.15	175.00	8.00	1.35	191.00	8.00	1.55	207.50	9.00	1.75	225.50	9.00	1.95	243.50	9.00
1.16	175.80		1.36	191.80		1.56	208.40		1.76	226.40		1.96	244.40	
1.17	176.60		1.37	192.60		1.57	209.30		1.77	227.30		1.97	245.30	
1.18	177.40		1.38	193.40		1.58	210.20		1.78	228.20		1.98	246.20	
1.19	178.20		1.39	194.20		1.59	211.10		1.79	229.10		1.99	247.10	

Note .....

.....

.....

.....

Computed by I.Arun Checked by K.Praphan



**RATING TABLE**

**เดือนกุมภาพันธ์ 2567**

Rating Table for Rating Curve No. S.HC 2506/Y2023 from 1 Apr 2023 to 31 Mar 2024  
 Name of Stream Khlong Ta kuaw Pa River System Peninsula West Coast Station Ban Thalot Kao  
 Province Phang-nga Region Southern Code X.186

Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.
2.00	248.00		2.20	268.00		2.40	289.00		2.60	311.00		2.80	334.00	
2.01	249.00		2.21	269.00		2.41	290.10		2.61	312.10		2.81	335.30	
2.02	250.00		2.22	270.00		2.42	291.20		2.62	313.20		2.82	336.60	
2.03	251.00		2.23	271.00		2.43	292.30		2.63	314.30		2.83	337.90	
2.04	252.00		2.24	272.00		2.44	293.40		2.64	315.40		2.84	339.20	
2.05	253.00	10.00	2.25	273.00	10.00	2.45	294.50	11.00	2.65	316.50	11.00	2.85	340.50	13.00
2.06	254.00		2.26	274.00		2.46	295.60		2.66	317.60		2.86	341.80	
2.07	255.00		2.27	275.00		2.47	296.70		2.67	318.70		2.87	343.10	
2.08	256.00		2.28	276.00		2.48	297.80		2.68	319.80		2.88	344.40	
2.09	257.00		2.29	277.00		2.49	298.90		2.69	320.90		2.89	345.70	
2.10	258.00		2.30	278.00		2.50	300.00		2.70	322.00		2.90	347.00	
2.11	259.00		2.31	279.10		2.51	301.10		2.71	323.20		2.91	348.40	
2.12	260.00		2.32	280.20		2.52	302.20		2.72	324.40		2.92	349.80	
2.13	261.00		2.33	281.30		2.53	303.30		2.73	325.60		2.93	351.20	
2.14	262.00		2.34	282.40		2.54	304.40		2.74	326.80		2.94	352.60	
2.15	263.00	10.00	2.35	283.50	11.00	2.55	305.50	11.00	2.75	328.00	12.00	2.95	354.00	14.00
2.16	264.00		2.36	284.60		2.56	306.60		2.76	329.20		2.96	355.40	
2.17	265.00		2.37	285.70		2.57	307.70		2.77	330.40		2.97	356.80	
2.18	266.00		2.38	286.80		2.58	308.80		2.78	331.60		2.98	358.20	
2.19	267.00		2.39	287.90		2.59	309.90		2.79	332.80		2.99	359.60	

Note .....

.....

.....

.....

Computed by I.Arun Checked by K.Praphan



**RATING TABLE**

**เดือนกุมภาพันธ์ 2567**

Rating Table for Rating Curve No. S.HC 2506/Y2023 from 1 Apr 2023 to 31 Mar 2024  
 Name of Stream Khlong Ta kuaw Pa River System Peninsula West Coast Station Ban Thalad Kao  
 Province Phang-nga Region Southern Code X.186

Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.
3.00	361.00		3.20	392.00		3.40	429.00		3.60	474.00		3.80	525.00	
3.01	362.50		3.21	393.80		3.41	431.20		3.61	476.50		3.81	527.80	
3.02	364.00		3.22	395.60		3.42	433.40		3.62	479.00		3.82	530.60	
3.03	365.50		3.23	397.40		3.43	435.60		3.63	481.50		3.83	533.40	
3.04	367.00		3.24	399.20		3.44	437.80		3.64	484.00		3.84	536.20	
3.05	368.50	15.00	3.25	401.00	18.00	3.45	440.00	22.00	3.65	486.50	25.00	3.85	539.00	28.00
3.06	370.00		3.26	402.80		3.46	442.20		3.66	489.00		3.86	541.80	
3.07	371.50		3.27	404.60		3.47	444.40		3.67	491.50		3.87	544.60	
3.08	373.00		3.28	406.40		3.48	446.60		3.68	494.00		3.88	547.40	
3.09	374.50		3.29	408.20		3.49	448.80		3.69	496.50		3.89	550.20	
3.10	376.00		3.30	410.00		3.50	451.00		3.70	499.00		3.90	553.00	
3.11	377.60		3.31	411.90		3.51	453.30		3.71	501.60		3.91	555.80	
3.12	379.20		3.32	413.80		3.52	455.60		3.72	504.20		3.92	558.60	
3.13	380.80		3.33	415.70		3.53	457.90		3.73	506.80		3.93	561.40	
3.14	382.40		3.34	417.60		3.54	460.20		3.74	509.40		3.94	564.20	
3.15	384.00	16.00	3.35	419.50	19.00	3.55	462.50	23.00	3.75	512.00	26.00	3.95	567.00	28.00
3.16	385.60		3.36	421.40		3.56	464.80		3.76	514.60		3.96	569.80	
3.17	387.20		3.37	423.30		3.57	467.10		3.77	517.20		3.97	572.60	
3.18	388.80		3.38	425.20		3.58	469.40		3.78	519.80		3.98	575.40	
3.19	390.40		3.39	427.10		3.59	471.70		3.79	522.40		3.99	578.20	

Note .....

.....

.....

.....

Computed by I.Arun Checked by K.Praphan



**RATING TABLE**

**เดือนกุมภาพันธ์ 2567**

Rating Table for Rating Curve No. S.HC 2506/Y2023 from 1 Apr 2023 to 31 Mar 2024  
 Name of Stream Khlong Ta kuaw Pa River System Peninsula West Coast Station Ban Thalad Kao  
 Province Phang-nga Region Southern Code X.186

Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.
4.00	581.00		4.20	637.00		4.40	700.00		4.60	764.00		4.80	828.00	
4.01	583.80		4.21	640.10		4.41	703.20		4.61	767.20		4.81	831.20	
4.02	586.60		4.22	643.20		4.42	706.40		4.62	770.40		4.82	834.40	
4.03	589.40		4.23	646.30		4.43	709.60		4.63	773.60		4.83	837.60	
4.04	592.20		4.24	649.40		4.44	712.80		4.64	776.80		4.84	840.80	
4.05	595.00	28.00	4.25	652.50	31.00	4.45	716.00	32.00	4.65	780.00	32.00	4.85	844.00	32.00
4.06	597.80		4.26	655.60		4.46	719.20		4.66	783.20		4.86	847.20	
4.07	600.60		4.27	658.70		4.47	722.40		4.67	786.40		4.87	850.40	
4.08	603.40		4.28	661.80		4.48	725.60		4.68	789.60		4.88	853.60	
4.09	606.20		4.29	664.90		4.49	728.80		4.69	792.80		4.89	856.80	
4.10	609.00		4.30	668.00		4.50	732.00		4.70	796.00		4.90	860.00	
4.11	611.80		4.31	671.20		4.51	735.20		4.71	799.20		4.91	863.20	
4.12	614.60		4.32	674.40		4.52	738.40		4.72	802.40		4.92	866.40	
4.13	617.40		4.33	677.60		4.53	741.60		4.73	805.60		4.93	869.60	
4.14	620.20		4.34	680.80		4.54	744.80		4.74	808.80		4.94	872.80	
4.15	623.00	28.00	4.35	684.00	32.00	4.55	748.00	32.00	4.75	812.00	32.00	4.95	876.00	32.00
4.16	625.80		4.36	687.20		4.56	751.20		4.76	815.20		4.96	879.20	
4.17	628.60		4.37	690.40		4.57	754.40		4.77	818.40		4.97	882.40	
4.18	631.40		4.38	693.60		4.58	757.60		4.78	821.60		4.98	885.60	
4.19	634.20		4.39	696.80		4.59	760.80		4.79	824.80		4.99	888.80	

Note .....

.....

.....

.....

Computed by I.Arun Checked by K.Praphan



**RATING TABLE**

**เดือนกุมภาพันธ์ 2567**

Rating Table for Rating Curve No. S.HC 2506/Y2023 from 1 Apr 2023 to 31 Mar 2024  
 Name of Stream Khlong Ta kuaw Pa River System Peninsula West Coast Station Ban Thalot Kao  
 Province Phang-nga Region Southern Code X.186

Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ-ence cms.
5.00	892.00		5.20	958.00		5.40	1027.00		5.60	1097.00		5.80	1167.00	
5.01	895.30		5.21	961.40		5.41	1030.50		5.61	1100.50		5.81	1170.90	
5.02	898.60		5.22	964.80		5.42	1034.00		5.62	1104.00		5.82	1174.80	
5.03	901.90		5.23	968.20		5.43	1037.50		5.63	1107.50		5.83	1178.70	
5.04	905.20		5.24	971.60		5.44	1041.00		5.64	1111.00		5.84	1182.60	
5.05	908.50	33.00	5.25	975.00	34.00	5.45	1044.50	35.00	5.65	1114.50	35.00	5.85	1186.50	39.00
5.06	911.80		5.26	978.40		5.46	1048.00		5.66	1118.00		5.86	1190.40	
5.07	915.10		5.27	981.80		5.47	1051.50		5.67	1121.50		5.87	1194.30	
5.08	918.40		5.28	985.20		5.48	1055.00		5.68	1125.00		5.88	1198.20	
5.09	921.70		5.29	988.60		5.49	1058.50		5.69	1128.50		5.89	1202.10	
5.10	925.00		5.30	992.00		5.50	1062.00		5.70	1132.00		5.90	1206.00	
5.11	928.30		5.31	995.50		5.51	1065.50		5.71	1135.50		5.91	1209.90	
5.12	931.60		5.32	999.00		5.52	1069.00		5.72	1139.00		5.92	1213.80	
5.13	934.90		5.33	1002.50		5.53	1072.50		5.73	1142.50		5.93	1217.70	
5.14	938.20		5.34	1006.00		5.54	1076.00		5.74	1146.00		5.94	1221.60	
5.15	941.50	33.00	5.35	1009.50	35.00	5.55	1079.50	35.00	5.75	1149.50	35.00	5.95	1225.50	39.00
5.16	944.80		5.36	1013.00		5.56	1083.00		5.76	1153.00		5.96	1229.40	
5.17	948.10		5.37	1016.50		5.57	1086.50		5.77	1156.50		5.97	1233.30	
5.18	951.40		5.38	1020.00		5.58	1090.00		5.78	1160.00		5.98	1237.20	
5.19	954.70		5.39	1023.50		5.59	1093.50		5.79	1163.50		5.99	1241.10	

Note .....

.....

.....

.....

Computed by I.Arun Checked by K.Prphan





**RATING TABLE**

**เดือนกุมภาพันธ์ 2567**

Rating Table for Rating Curve No. S.HC 2506/Y2023 from 1 Apr 2023 to 31 Mar 2024  
Name of Stream Khlong Ta kuaw Pa River System Peninsula West Coast Station Ban Thalat Kao  
Province Phang-nga Region Southern Code X.186

Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.	Gage Height m.(m.s.l.)	DisCharge cms.	Differ- ence cms.
6.00	1245.00													

Note .....

.....

.....

.....

Computed by I.Arun Checked by K.Praphan