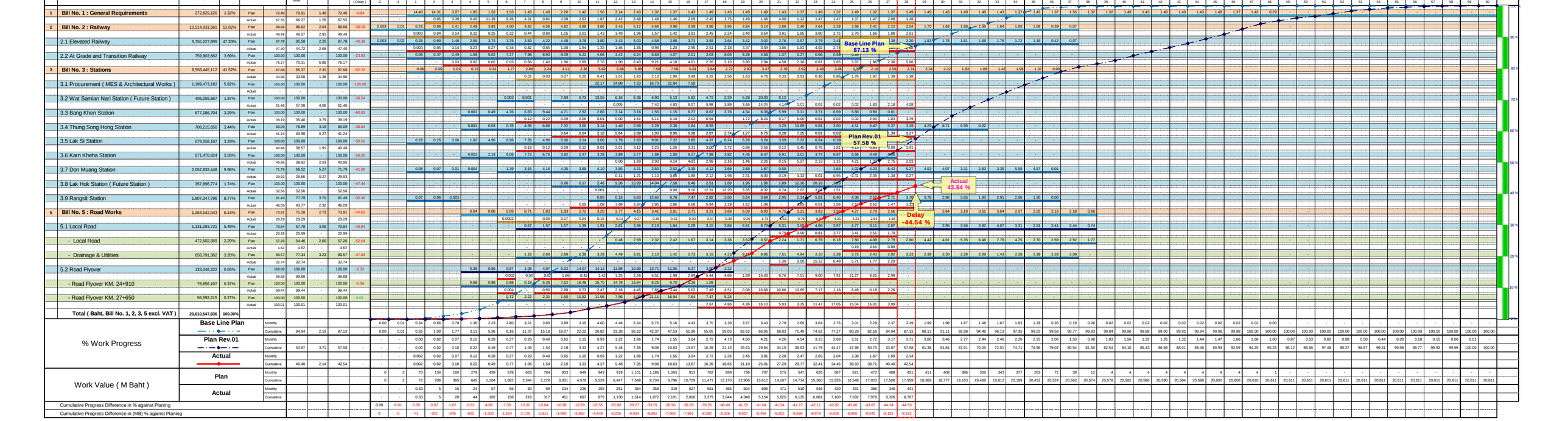
S-Curve Showing Planned and Actual Work Progress

The Construction of Mass Transit System Project in Bangkok (Red Line) (I)

Contract 2 : Civil Works for Bang Sue - Rangsit Railway

Item No.	Description	Price (Baht)	% wt.	% Cumulative		% Progress Upto Previous Month	% Progress This Month	% Progress Cum.	% Ahead / (Delay)
1	**Bill No. 1 : General Requirements**	272,629,120	1.32%		Plan	72.40	70.91	1.49	72.40	-4.84
					Actual	67.55	66.27	1.28	67.55	
2	**Bill No. 2 : Railway**	10,514,931,561	51.02%		Plan	88.66	86.62	2.04	88.66	-39.18
					Actual	49.48	46.57	2.91	49.48	
	2.1 Elevated Railway	9,755,027,899	47.33%		Plan	87.78	85.58	2.20	87.78	-40.38
					Actual	47.40	44.72	2.68	47.40	
	2.2 At Grade and Transition Railway	759,903,662	3.69%		Plan	100.00	100.00	-	100.00	-23.83
					Actual	76.17	70.31	5.86	76.17	
3	**Bill No. 3 : Stations**	8,558,445,112	41.52%		Plan	87.68	85.37	2.31	87.68	-52.72
					Actual	34.96	33.58	1.38	34.96	
	3.1 Procurement (MES & Architectural Works)	1,199,473,182	5.82%		Plan	100.00	100.00	-	100.00	-100.00
					Actual					
	3.2 Wat Samian Nari Station (Future Station)	405,055,567	1.97%		Plan	100.00	100.00	-	100.00	-38.54
					Actual	61.46	57.38	4.08	61.46	
	3.3 Bang Khen Station	677,186,704	3.29%		Plan	100.00	100.00	-	100.00	-60.81
					Actual	39.19	35.40	3.79	39.19	
	3.4 Thung Song Hong Station	708,215,650	3.44%		Plan	80.09	76.89	3.19	80.09	-38.84
					Actual	41.24	40.98	0.27	41.24	
	3.5 Lak Si Station	679,058,167	3.29%		Plan	100.00	100.00	-	100.00	-59.52
					Actual	40.48	38.57	1.91	40.48	
	3.6 Karn Kheha Station	671,478,824	3.26%		Plan	100.00	100.00	-	100.00	-59.05
					Actual	40.95	38.92	2.03	40.95	
	3.7 Don Muang Station	2,052,832,448	9.96%		Plan	71.79	66.52	5.27	71.79	-41.86
					Actual	29.93	29.66	0.27	29.93	
	3.8 Lak Hok Station (Future Station)	357,896,774	1.74%		Plan	100.00	100.00	-	100.00	-47.44
					Actual	52.56	52.56	-	52.56	
	3.9 Rangsit Station	1,807,247,796	8.77%		Plan	81.49	77.79	3.70	81.49	-35.40
					Actual	46.09	43.77	2.32	46.09	
5	**Bill No. 5 : Road Works**	1,264,542,043	6.14%		Plan	73.91	71.18	2.73	73.91	-44.62
					Actual	29.29	29.29	-	29.29	
	5.1 Local Road	1,131,293,721	5.49%		Plan	70.84	67.78	3.05	70.84	-49.84
					Actual	20.99	20.99	-	20.99	
	- Local Road	472,502,359	2.29%		Plan	57.26	54.46	2.80	57.26	-52.64
					Actual	4.62	4.62	-	4.62	
	- Drainage & Utilities	658,791,362	3.20%		Plan	80.57	77.34	3.23	80.57	-47.84
					Actual	32.74	32.74	-	32.74	
	5.2 Road Flyover	133,248,322	0.65%		Plan	100.00	100.00	-	100.00	-0.32
					Actual	99.68	99.68	-	99.68	
	- Road Flyover KM. 24+910	76,656,107	0.37%		Plan	100.00	100.00	-	100.00	-0.56
					Actual	99.44	99.44	-	99.44	
	- Road Flyover KM. 27+650	56,592,215	0.27%		Plan	100.00	100.00	-	100.00	0.01
					Actual	100.01	100.01	-	100.01	
	Total (Baht, Bill No. 1, 2, 3, 5 excl. VAT)	**20,610,547,836**	**100.00%**							

			Jan -2	Feb -1	Mar 1	Apr 2	May 3	Jun 4	Jul 5	Aug 6	Sep 7	Oct 8	Nov 9	Dec 10	Jan 11	Feb 12	Mar 13	Apr 14	May 15	Jun 16	Jul 17	Aug 18	Sep 19	Oct 20	Nov 21	Dec 22	Jan 23	Feb 24	Mar 25	Apr 26	May 27	Jun 28	Jul 29	Aug 30	Sep 31	Oct 32	Nov 33	Dec 34	Jan 35	Feb 36	Mar 37	Apr 38	May 39	Jun 40	Jul 41	Aug 42	Sep 43	Oct 44	Nov 45	Dec 46	Jan 47	Feb 48	Mar 49	Apr 50	May 51	Jun 52	Jul 53	Aug 54	Sep 55	Oct 56	Nov 57	Dec 58	Jan 59	Feb 60
		Base Line Plan Monthly			14.40	14.31	3.87	1.85	1.53	1.53	1.43	1.49	2.20	1.42	1.50	3.14	2.43	1.32	1.37	1.43	1.46	1.43	1.49	1.49	1.43	1.37	1.49	1.32	1.49	1.32	1.37	1.49	1.49	1.43	1.49	1.49	1.43	1.37	1.43	1.37	1.56	1.32	1.32	1.49	1.43	1.49	1.49	1.43	1.49	1.37	1.43	0.29												
		Base Line Plan Cumulative			14.40	28.71	32.58	34.43	35.96	37.49	38.92	40.41	42.61	44.03	45.53	48.67	51.10	52.42	53.79	55.22	56.68	58.11	59.60	61.09	62.52	63.89	65.38	66.70	68.19	69.51	70.88	72.37	73.86	75.29	76.78	78.27	79.70	81.07	82.50	83.87	85.43	86.75	88.07	89.56	90.99	92.48	93.97	95.40	96.89	98.26	99.69	99.98												
		Plan Rev.01 Monthly	0.003	0.01	0.25	0.86	1.41	2.49	3.83	4.00	3.82	4.56	4.82	3.88	3.86	3.43	5.12	4.66	3.98	3.59	3.86	3.95	3.84	3.14	2.66	2.40	2.64	2.28	2.66	2.41	2.22	2.04	1.70	1.63	1.68	1.56	1.64	1.60	1.08	0.39	0.07																								
		Plan Rev.01 Cumulative	0.003	0.01	0.26	1.12	2.53	5.02	8.85	12.85	16.67	21.23	26.05	29.93	33.79	37.22	42.34	47.00	50.98	54.57	58.43	62.38	66.22	69.36	72.02	74.42	77.06	79.34	82.00	84.41	86.63	88.67	90.37	92.00	93.68	95.24	96.88	98.48	99.56	99.95	100.02																								
		Actual Monthly																													1.83	1.76	1.81	1.68	1.76	1.72	1.16	0.42	0.07																										
		Actual Cumulative																													1.83	3.59	5.40	7.08	8.84	10.56	11.72	12.14	12.21																										
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	% Work Progress	Base Line Plan Monthly			0.00	0.01	0.34	0.65	0.78	1.36	2.23	2.80	3.21	3.80	3.89	3.15	4.60	4.46	5.34	5.75	5.16	4.43	3.70	3.39	3.57	3.43	2.79	2.65	3.04	2.75	3.01	2.29	2.37	2.19	1.99	1.98	1.87	1.48	1.67	1.83	1.28	0.35	0.19	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00	-	-	-	-	-	-	-	-	-	-	-
		Base Line Plan Cumulative			0.00	0.01	0.35	1.00	1.77	3.13	5.36	8.16	11.37	15.18	19.07	22.22	26.82	31.28	36.62	42.37	47.53	51.96	55.65	59.05	62.62	66.05	68.83	71.49	74.52	77.27	80.29	82.58	84.94	87.13	89.13	91.11	92.98	94.46	96.13	97.95	99.23	99.58	99.77	99.83	99.84	99.86	99.88	99.90	99.92	99.94	99.96	99.98	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
		Plan Rev.01 Monthly			-	-	0.00	0.02	0.07	0.12	0.28	0.27	0.29	0.48	0.65	1.15	0.93	1.22	1.86	1.74	1.55	3.04	2.72	4.73	4.50	4.21	4.26	4.54	3.15	2.69	3.51	2.72	3.17	3.71	3.80	3.46	2.77	2.44	2.46	2.20	2.25	2.06	1.53	0.96	1.03	1.56	1.33	1.26	1.32	1.44	1.47	1.66	1.66	1.00	0.87	0.53	0.82	0.89	0.50	0.44	0.28	0.18	0.15	0.06	0.01	-
		Plan Rev.01 Cumulative			-	-	0.00	0.02	0.09	0.21	0.49	0.76	1.05	1.53	2.18	3.33	4.26	5.48	7.34	9.08	10.63	13.67	16.39	21.12	25.62	29.83	34.09	38.63	41.78	44.47	47.98	50.70	53.87	57.58	61.38	64.84	67.61	70.05	72.51	74.71	76.95	79.02	80.54	81.50	82.54	84.10	85.43	86.69	88.01	89.46	90.93	92.59	94.25	95.25	96.12	96.66	97.48	98.37	98.87	99.31	99.59	99.77	99.92	99.99	100.00	100.00
		Actual Monthly																													4.29	8.71	6.90	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		Actual Cumulative			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.29	13.00	19.90	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92	19.92
	Work Value (M Baht)	Plan Monthly			0	2	70	134	160	279	459	578	663	784	803	649	949	919	1,101	1,186	1,063	913	762	699	736	707	575	547	626	567	621	472	488	451	411	408	386	306	343	377	263	72	39	12	4	4	4	4	4	4	4	1	-	-	-	-	-	-	-	-	-	-	-	-
		Plan Cumulative			0	2	72	206	365	645	1,104	1,682	2,344	3,128	3,931	4,579	5,528	6,447	7,548	8,734	9,796	10,709	11,471	12,170	12,906	13,612	14,187	14,734	15,360	15,926	16,548	17,020	17,508	17,959	18,369	18,777	19,163	19,469	19,812	20,189	20,452	20,524	20,563	20,574	20,578	20,582	20,586	20,590	20,594	20,598	20,602	20,606	20,610	20,611	20,611	20,611	20,611	20,611	20,611	20,611	20,611	20,611	20,611	20,611
		Actual Monthly			-	-	0.33	5	15	24	57	56	60	99	134	236	192	251	384	358	319	627	561	466	504	806	471	510	546	420	491	386	348	441																																
		Actual Cumulative			-	-	0.33	5	20	44	102	158	218	317	451	687	879	1,130	1,514	1,872	2,191	2,818	3,379	3,844	4,348	5,154	5,625	6,135	6,681	7,100	7,592	7,978	8,326	8,767																																
	Cumulative Progress Difference in % against Planing				0.00	-0.01	-0.35	-0.97	-1.67	-2.91	-4.86	-7.39	-10.32	-13.64	-16.88	-18.89	-22.55	-25.80	-29.27	-33.29	-36.90	-38.29	-39.26	-40.40	-41.52	-41.04	-41.54	-41.72	-42.11	-42.82	-43.46	-43.87	-44.54	-44.59																																
	Cumulative Progress Difference in (MB) % against Planing				0	-2	-71	-201	-345	-600	-1,002	-1,524	-2,126	-2,811	-3,480	-3,892	-4,649	-5,316	-6,034	-6,862	-7,606	-7,891	-8,092	-8,326	-8,557	-8,458	-8,562	-8,599	-8,679	-8,826	-8,956	-9,041	-9,182	-9,192