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	53.79	52.41	1.37	53.79	
				Actual	44.05	42.59	1.46	44.05	-9.74
2	**Bill No. 2 : Railway**	10,514,931,561	51.02%	Plan	50.99	47.00	3.98	50.99	
				Actual	13.31	11.89	1.42	13.31	-37.67
	2.1 Elevated Railway	9,755,027,899	47.33%	Plan	49.51	45.53	3.98	49.51	
				Actual	11.75	10.54	1.20	11.75	-37.76
	2.2 At Grade and Transition Railway	759,903,662	3.69%	Plan	69.96	65.89	4.07	69.96	
				Actual	33.43	29.25	4.18	33.43	-36.53
3	**Bill No. 3 : Stations**	8,558,445,112	41.52%	Plan	46.45	39.39	7.06	46.45	
				Actual	7.61	5.71	1.90	7.61	-38.84
	3.1 Procurement (MES & Architectural Works)	1,199,473,182	5.82%	Plan	92.84	71.00	21.84	92.84	
				Actual	-	-	-	-	-92.84
	3.2 Wat Samian Nari Station (Future Station)	405,055,567	1.97%	Plan	53.75	48.62	5.13	53.75	
				Actual	12.34	7.40	4.93	12.34	-41.41
	3.3 Bang Khen Station	677,186,704	3.29%	Plan	40.96	39.80	1.15	40.96	
				Actual	12.32	7.22	5.10	12.32	-28.63
	3.4 Thung Song Hong Station	708,215,650	3.44%	Plan	35.33	32.95	2.38	35.33	
				Actual	15.07	14.11	0.96	15.07	-20.26
	3.5 Lak Si Station	679,058,167	3.29%	Plan	58.40	51.08	7.32	58.40	
				Actual	9.12	7.86	1.26	9.12	-49.28
	3.6 Karn Kheha Station	671,478,824	3.26%	Plan	41.23	39.74	1.50	41.23	
				Actual	8.77	4.62	4.14	8.77	-32.47
	3.7 Don Muang Station	2,052,832,448	9.96%	Plan	34.24	31.72	2.52	34.24	
				Actual	3.09	2.42	0.66	3.09	-31.15
	3.8 Lak Hok Station (Future Station)	357,896,774	1.74%	Plan	47.67	40.09	7.58	47.67	
				Actual	0.00	0.00	0.00	0.00	-47.67
	3.9 Rangsit Station	1,807,247,796	8.77%	Plan	31.54	22.76	8.78	31.54	
				Actual	12.57	9.71	2.86	12.57	-18.97
5	**Bill No. 5 : Road Works**	1,264,542,043	6.14%	Plan	24.73	21.92	2.81	24.73	
				Actual	1.51	1.30	0.21	1.51	-23.22
	5.1 Local Road	1,131,293,721	5.49%	Plan	17.31	15.47	1.84	17.31	
				Actual	-	-	-	-	-17.31
	- Local Road	472,502,359	2.29%	Plan	7.81	5.39	2.42	7.81	
				Actual	-	-	-	-	-7.81
	- Drainage & Utilities	658,791,362	3.20%	Plan	24.12	22.70	1.42	24.12	
				Actual	-	-	-	-	-24.12
	5.2 Road Flyover	133,248,322	0.65%	Plan	87.71	76.66	11.05	87.71	
				Actual	14.32	12.34	1.98	14.32	-73.39
	- Road Flyover KM. 24+910	76,656,107	0.37%	Plan	93.65	86.95	6.70	93.65	
				Actual	24.90	21.45	3.44	24.90	-68.75
	- Road Flyover KM. 27+650	56,592,215	0.27%	Plan	79.66	62.72	16.94	79.66	
				Actual	-	-	-	-	-79.66
	Total (Baht, Bill No. 1, 2, 3, 5 excl. VAT)	**20,610,547,836**	**100.00%**						

			2013											2014											2015											2016											2017	
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
			-2	-1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
1	**Bill No. 1 : General Requirements**	272,629,120			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	1.49	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	1.55	1.32	1.32	1.49	1.43	1.49	1.49	1.43	1.49	1.37	1.43	0.29
					-	0.05	0.39	0.40	11.39	8.26	4.31	0.81	2.08	2.63	1.87	2.42	6.48	1.49	1.46	-	-	-																															
2	**Bill No. 2 : Railway**	10,514,931,561	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											
					0.00	0.04	0.14	0.22	0.25	0.32	0.44	0.89	1.15	2.01	1.43	1.49	1.96	1.57	1.42																																			
	2.1 Elevated Railway	9,755,027,899	0.003	0.02	0.26	0.90	1.48	2.55	3.74	3.75	3.50	4.22	4.48	3.78	3.80	3.43	5.03	4.58	3.98	3.71	3.92	3.64	3.42	3.02	2.76	2.57	2.79	2.41	2.85	2.59	2.39	2.20	1.83	1.76	1.81	1.68	1.76	1.72	1.16	0.42	0.07											
					0.003	0.05	0.14	0.23	0.27	0.34	0.42	0.85	1.08	1.94	1.33	1.46	1.45	0.98	1.20																																			
	2.2 At Grade and Transition Railway	759,903,662	-	-	0.06	0.37	0.49	1.59	5.02	7.17	7.98	8.93	9.09	5.22	4.68	3.42	6.24	5.63	4.07	2.01	3.03	8.05	9.28	4.58	1.37	0.27	0.66	0.58	0.20	-	-	-	-	-	-	-	-	-	-	-	-											
					-	-	0.03	0.02	0.02	0.03	0.66	1.40	1.96	2.89	2.70	1.90	8.43	9.21	4.18																																			
3	**Bill No. 3 : Stations**	8,558,445,112			0.06	0.05	0.01	0.15	0.61	1.77	2.89	3.24	3.11	2.36	5.82	5.86	5.89	7.58	7.06	5.81	3.64	2.72	2.93	3.47	2.70	2.92	3.49	3.26	3.32	2.10	2.56	2.31	2.24	2.32	1.93	1.09	1.42	1.95	1.37	0.00												
					-	-	-	-	-	-	0.02	0.03	0.07	0.20	0.41	1.01	1.83	2.13	1.90																																			
	3.1 Procurement (MES & Architectural Works)	1,199,473,182	-	-	-	-	-	-	-	-	-	-	-	-	22.17	24.88	7.23	16.73	21.84	7.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																																		
	3.2 Wat Samian Nari Station (Future Station)	405,055,567	-	-	-	-	-	-	-	0.00	0.00	-	7.89	9.73	13.55	6.16	6.38	4.90	5.13	5.82	4.72	2.29	5.28	20.03	8.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					-	-	-	-	-	-	-	-	-	-	-	0.00	-	7.40	4.93																																			
	3.3 Bang Khen Station	677,186,704	-	-	-	-	0.00	0.49	4.76	6.83	9.44	4.71	2.92		2.80	3.14	3.16	1.55	1.15	8.77	8.67	3.76	4.34	6.39	5.99	3.11	3.71	6.59	6.80	0.90	0.01	-	-	-	-	-	-	-	-	-	-												
					-	-	-	-	-	-	0.12	0.22	0.09	0.06	0.01	0.00	1.61	5.11	5.10																																			
	3.4 Thung Song Hong Station	708,215,650	-	-	-	-	0.00	0.03	0.78	4.96	6.88	7.32	3.60		3.14	1.40	2.58	2.28	2.38	1.84	0.93	-	-	3.25	10.89		5.81	3.50	4.51	5.47	5.37	3.19	4.29	8.71	6.90	0.02	-	-	-	-													
					-	-	-	-	-	-	-	-	0.64	0.64	2.18	5.64	3.98	1.03	0.96																																			
	3.5 Lak Si Station	679,058,167			0.28	0.25	0.06	1.82	4.95	6.56	7.35	4.98	5.06	3.14	3.00	1.79	2.83	9.01	7.32	3.85	4.37	6.24	6.26	3.24	3.59	7.22	6.54	0.28	0.00	-	-	-	-	-	-	-	-	-	-	-												
					-	-	-	-	-	-	0.18	0.12	0.09	0.12	0.01	2.01	3.12	2.23	1.26																																			
	3.6 Karn Kheha Station	671,478,824			-	-	-	0.00	2.18	6.06	7.72	6.75	3.92	2.47	3.28	2.89	2.77	1.69	1.50	9.27	7.88	3.92	4.45	6.47	5.91	3.01	3.74	6.97	6.66	0.49	0.00	-	-	-	-	-	-	-	-	-	-												
					-	-	-	-	-	-	-	-	-	-	-	0.00	1.69	2.93	4.14																																			
	3.7 Don Muang Station	2,052,832,448			0.08	0.07	0.01	0.00	-	1.39	3.15	4.16	4.35	3.85	4.10	3.85	Plan	4.52	3.35	4.12	3.69	2.68	1.67	0.50	-	-	1.64	4.02	4.20	6.42	5.27	4.53	4.07	3.31	2.83	3.35	5.55	4.57	0.01												
					-	-	-	-	-	-	-	-	-	-	-	0.11	47.53 %	0.66																																			
	3.8 Lak Hok Station (Future Station)	357,896,774			-	-	-	-	-	-	-	-	0.06	0.17	2.46	9.36	13.99	14.04	7.58	6.46	2.51	1.89	1.96	1.96	1.89	12.26	20.18	3.23	-	-	-	-	-	-	-	-	-	-	-	-												
					-	-	-	-	-	-	-	-	-	-	0.00	-	-	-	0.00																																			
	3.9 Rangsit Station	1,807,247,796			0.07	0.06	0.00	-	-	-	-	-	-	-	0.05	0.15	9.83	12.60	8.78	7.47	2.82	2.60	3.64	3.64	2.95	2.14	5.01	6.40	4.36	2.52	2.71	3.70	3.78	2.96	2.65	1.93	2.91	2.96	1.30	0.00												
					-	-	-	-	-	-	-	-	-	-	0.65	1.08	1.69	3.34	2.95	2.86																																		
5	**Bill No. 5 : Road Works**	1,264,542,043						0.04	0.06	0.09	0.71	1.83	1.93	2.72	3.20	3.77	4.15	3.41	2.81	2.71	3.21	3.68	6.09	6.00	4.75	3.21	3.63	3.56	4.27	2.79	2.56	2.73	2.90	2.64	3.19	3.51	3.64	2.97	2.25	2.16	2.18	0.66											
								0.00	-	0.05	0.17	0.04	0.15	0.13	0.27	0.48	0.21																																				
	5.1 Local Road	1,131,293,721						-	-	-	0.67	1.57	1.57	1.39	1.91	2.81	3.36	2.19	1.84	2.29	3.15	3.86	6.81	6.70	5.31	3.59	4.06	3.97	4.77	3.11	2.87	3.05	3.24	2.95	3.56	3.92	4.07	3.31	2.51	2.41	2.44	0.74											
	- Local Road	472,502,359						-	-	-	-	-	-	-		0.48	2.59	2.32	2.42	1.67	3.14	3.36	3.52	3.57	2.24	1.71	6.78	6.18	7.60	4.08	2.79	2.80	4.42	4.01	5.35	6.48	7.76	4.75	2.70	2.59	2.92	1.77											
	- Drainage & Utilities	658,791,362						-	-	-	1.15	2.69	2.69	2.58	3.28	4.49	3.91	2.10	1.42	2.73	3.15	4.21	9.16	8.95	7.51	4.94	2.10	2.39	2.73	2.42	2.92	3.23	2.39	2.20	2.28	2.09	1.43	2.28	2.38	2.28	2.09	-											
											-	-	-	-	-	-	-	-	-																															
	5.2 Road Flyover	133,248,322						0.39	0.56	0.87	1.06	4.07	5.02	14.07	14.12	11.89	10.90	13.71	11.05	6.27	3.80	2.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
											0.002	0.00	0.52	1.66	0.42	1.42	1.25	2.56	4.51	1.98																																			
	- Road Flyover KM. 24+910	76,656,107						0.68	0.98	0.98	0.19	5.36	7.62	16.48	15.70	14.79	15.94	8.25	6.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
											0.004	-	0.90	2.88	0.73	2.47	2.18	4.45	7.85	3.44																																			
	- Road Flyover KM. 27+650	56,592,215						-	-	0.72	2.22	2.31	1.50	10.82	11.98	7.96	4.00	21.11	16.97	7.64	7.47	5.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
											-	-	-	-	-	-	-	-	-																																			

Actual 10.63 %

Delay -36.90 %

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