

1 PT. Industri Kereta Api PERENCANAAN DESAIN MP3 1

ID	Group No.	ENGINEERING PROCESS & DETAIL DESIGN	Resource Names	Duration	2010											
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
1		MP3-2010		152,06 days	[Timeline bar]											
2		Document Approval		17,06 days	[Timeline bar]											
5		Interface Meeting		1 day	01/03 [Milestone]											
6		Basic Design		3,06 days	[Timeline bar]											
8		Component Specification		30,06 days	[Timeline bar]											
11		Bill of Material / Component		5,06 days	[Timeline bar]											
14		Design Verification		2 days	[Timeline bar]											
16		DETAIL DESIGN		152,06 days	[Timeline bar]											
17	00	Arrangement		14 days	01/03 [Milestone]											
18		CARBODY STRUCTURE	Djarsam;Teguh	95,06 days	[Timeline bar]											
19	21	Underframe		43,06 days	[Timeline bar]											
20	21.0	Assembly		14 days	01/04 [Milestone]											
21	21.2	Bolster crossbar		4 days	01/04 [Milestone]											
22	21.3	Floor construction		2 days	01/03 [Milestone]											
23	21.4	Floor construction		10 days	01/04 [Milestone]											
24	21.5	Supporting frame for floor		7 days	01/04 [Milestone]											
25	21.8	Welded bracket+bores+tapped hole		14 days	09/04 [Milestone]											
26	22	Side wall		28 days	[Timeline bar]											
29	23	Body end		21 days	[Timeline bar]											
30	23.0	Assembly body end		14 days	12/04 [Milestone]											
31	23.1	Framework & exterior sheating		21 days	09/04 [Milestone]											
32	25	Roof		72 days	[Timeline bar]											
35	27	Framework for the partition wall		30 days	[Timeline bar]											
37	28	PAINTING AND INSULATION	Winarto	57 days	[Timeline bar]											
38		Painting and marking		57 days	[Timeline bar]											
39	28.0	Location		17 days	12/07 [Milestone]											
40	28.1	Mark plate		57 days	12/07 [Milestone]											
41	28.2	Marking emergency lamp		8 days	12/07 [Milestone]											
42	28.3	Indicator lamp. for lavatory		7 days	12/07 [Milestone]											
43	29	Insulation (thermal and acoustic)		5 days	12/07 [Milestone]											
44		EQUIPMENT	Djarsam;Teguh	112 days	[Timeline bar]											
45	30	Equipment Arroun Underfrme		10 days	[Timeline bar]											
46	30.0	Assembly		7 days	29/04 [Milestone]											
47	30.1	Buffing and draw gear		5 days	29/04 [Milestone]											
48	30.2	Buffers		2 days	06/05 [Milestone]											
49	30.6	Fixed step elements		10 days	29/04 [Milestone]											

Date: Mon 30/08/10

Task		Milestone		Rolled Up Milestone		PTask	
Task Progress		Summary		Rolled Up Progress		Task Progress	
Critical Task		Rolled Up Task		Split		Critical Task	
Critical Task Progress		Rolled Up Critical Task		External Tasks			

ID	Group No.	ENGINEERING PROCESS & DETAIL DESIGN	Resource Names	Duration	2010												
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct				
50	31	Equipment beneath the underframe		58 days													
51	31.1	Mounting of electrical		34 days					02/06				19/07				
52	31.2	Brake rood guide		3 days													
53	31.9	mounting (other equipment)		17 days				29/04	03/05								
54	32	Piping beneath underframe		21 days													
57	34	Brake mechanisms beneath the underframe		99 days													
58	34.0	Assembly		9 days													
59	34.1	Hand brake		82 days													
60	34.2	Brake rigging below underframe		35 days				29/04	24/05								14/09
61	36	Equipment Above to the Underframe		12 days													
62	36.1	Mounting of electric boxes		3 days				29/04	03/05								
63	36.9	Fitting drain pipe of lavatory		12 days				29/04	14/05								
64	40	Equipment on side wall		69 days													
65	40.0	Side light		6 days													
66	40.2	Hinge		1 day													
67	40.7	Windows		69 days													
68	40.8	External door		44 days													
69	44	Hinge		2 days				12/04	13/04								
70	46	Equipment on body end		41 days													
71	46.3	Gangway system with below		21 days					10/05								
72	46.8	External door		39 days					10/05								
73	46.9	Mounting (other equipment)		41 days					10/05								
74	49	Equipment for cabling on body end		7 days					10/05								
75	49	Equipment For Cabling on Body End		7 days					10/05								
77		INSTALLATION ON/IN ROOF & PART	Djarsam; Teguh	41 days													
78	50	Instalation on roof		35 days													
82	51	Instalation in the roof & partition wall		41 days													
83	51.2	Heating & ventilation system		7 days													
84	51.3	Air ducts		6 days													
85	51.7	Instalation for lavatory		41 days													
86	52	Piping on the roof+piping in the roof&partition wall		9 days													
87	52.7	Piping for wc in the roof+prtition wall		9 days													
88		CABLING	Bambang S.	46 days													
89	59	Cabling	Bambang S.	46 days													
90	59.2	Cutting list		10 days					02/06								
91	59.3	Wiring diagram		36 days													

Date: Mon 30/08/10

Task		Milestone		Rolled Up Milestone		PTask	
Task Progress		Summary		Rolled Up Progress		Task Progress	
Critical Task		Rolled Up Task		Split		Critical Task	
Critical Task Progress		Rolled Up Critical Task		External Tasks			

ID	Group No.	ENGINEERING PROCESS & DETAIL DESIGN	Resource Names	Duration	2010											
					Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct			
92		INTERIOR LINING	Winarto	90 days												
93	63	Floor		47 days												
96	64	Lining of side wall		38 days												
97	64.1	Integrated cab's		7 days												
98	64.2	Passengers comp		19 days												
99	64.6	Kitchen+bar		2 days												
100	65	Partition wall		90 days												
101	65.1	Partition doors & internal		90 days												
102	65.2	Other partition walls		15 days												
103	65.3	Panel side window		2 days												
104	66	Internal doors		52 days												
107	67	Ceiling		20 days												
108	67.1	Integrated Cab.		14 days												
109	67.2	Passengers Comp.		20 days												
110	67.3	Vestibules+gangways		4 days												
111		INTERIOR FITTING	Djarsam;Teguh	70 days												
112	70	Interior Fitting of toilet-wc		63 days												
113	70.2	Assembly		2 days												
114	70.4	Wash bassin+waste bin+ash-tray		2 days												
115	70.8	Barcket pipe wash bassin		5 days												
116	73	Interior Fitting of Pass. Comp.		70 days												
117	73.1	Seats		13 days												
118	73.3	Luggage rack		12 days												
119	73.4	Tables+waste bins+ash-tray		14 days												
120	73.6	Stop block		3 days												
121	75	Interior fitting of special comp.		10 days												
122	76	Back-up Controller		12 days												
124		SYSTEMS	Bambang S.	12 days												
125	86	Electrical system	Bambang S.	9 days												
127	89	Safety Equipment		12 days												
128	89.0	Fire protection		5 days												
129	89.2	Inspection door for fire extinguisher		7 days												
130		Design validation		3 days												

Date: Mon 30/08/10

Task		Milestone		Rolled Up Milestone		PTask	
Task Progress		Summary		Rolled Up Progress		Task Progress	
Critical Task		Rolled Up Task		Split		Critical Task	
Critical Task Progress		Rolled Up Critical Task		External Tasks			