ภาคผนวก ฑ

แผนประจำปีในการเปลี่ยนอิฐทนไฟของ
เตาหลอมแบบเหนี่ยวไฟฟ้า

Plan Lining Furnace of Jan.2020

Rev.0	PITIPONG	Jakkrit.k
07/01/2020	Issued	Approved

Jan

DATE / DETAIL		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	
Fur. No.1	Charge	0	0	0	0	0	33	44	18	11	22	33	44	55	66	77	88	99	110	121	132	143	154	165	176	187	0	6	17	28	39	50	
FC Only	Prod.	0	0	0	0	0	0	0	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	0	6	11	11	11	11	FC Only 200 Chart
Lining Plan																											●						
Fur. No.2	Charge	0	0	0	0	0	33	44	158	11	22	33	44	0	6	17	28	39	50	61	72	83	94	105	116	127	138	149	160	171	182	193	
	Prod	0	0	0	0	0	0	0	11	11	11	11	11	0	6	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	FC & FCD 170 Chart
Lining Plan														●																			
Fur. No.3	Charge	0	0	0	0	0	11	11	172	11	22	0	6	17	28	39	50	61	72	83	94	105	116	127	138	138	138	149	160	171	182	193	
	Prod	0	0	0	0	0	0	0	11	11	11	0	6	11	11	11	11	11	11	11	11	11	11	11	11	0	0	11	11	11	11	11	FC & FCD 170 Chart
Lining Plan												●																					
Fur. No.4	Charge	0	0	0	0	0	22	22	52	11	22	22	22	33	44	55	66	77	88	99	110	121	132	143	0	6	17	28	39	50	61	72	
	Prod	0	0	0	0	0	0	0	11	11	11	0	0	11	11	11	11	11	11	11	11	11	11	11	0	6	11	11	11	11	11	11	FC & FCD 170 Chart
Lining Plan																									●								
Fur. No.5	Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SPARE
	Prod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FC Only 200 Chart
Lining Plan																																	
Furnace for Prod.	Use	4	4	4	4	4	4	4	4	4	4	3	4	3	4	4	4	4	4	4	4	4	4	4	3	4	3	4	4	4	4	4	
	Spare	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Material for lining

: CHANGE SHIFT

Silica	1600									Safety stock =	2000	Kg	Total =		5200	Kg
Former	4									Safety stock =	2000	Kg	Total =		5200	Kg.

Remark ; [illegible] Lining [illegible]
[illegible]

Plan Lining Furnace of Feb.2020

Rev.0	PITIPONG	Jakkrit.k
03/02/2020	Issued	Approved

Feb

DATE / DETAIL		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	
Fur. No.1	Charge	50	50	50	50	61	61	72	72	72	72	83	94	105	116	116	116	127	138	149	160	171	171	171	182	193	204	215	226	226	
FC Only	Prod.	0	0	0	11	11	11	11	0	0	0	11	11	11	11	0	0	11	11	11	11	11	0	0	11	11	11	11	11	0	FC Only 200 Chart
Lining Plan																															
Fur. No.2	Charge	193	193	193	193	204	204	215	215	215	215	0	6	17	28	28	28	39	50	61	72	83	83	83	94	105	116	127	138	138	
	Prod	0	0	0	11	11	11	11	0	0	0	0	6	11	11	0	0	11	11	11	11	11	0	0	11	11	11	11	11	0	FC & FCD 170 Chart
Lining Plan												●																			
Fur. No.3	Charge	172	172	172	0	6	183	194	194	194	49	49	60	71	82	82	82	93	104	115	126	137	137	137	148	159	170	181	192	192	
	Prod	0	0	0	0	6	11	11	0	0	0	0	11	11	11	0	0	11	11	11	11	11	0	0	11	11	11	11	11	0	FC & FCD 170 Chart
Lining Plan					●																								0	0	
Fur. No.4	Charge	52	52	52	85	96	63	74	74	74	74	85	96	107	118	118	118	129	140	151	162	0	0	0	6	17	28	39	50	50	
	Prod	0	0	0	11	11	11	11	0	0	0	11	11	11	11	0	0	11	11	11	11	0	0	0	6	11	11	11	11	0	FC & FCD 170 Chart
Lining Plan																								●							
Fur. No.5	Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SPARE
	Prod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FC Only 200 Chart
Lining Plan																															
Furnace for Prod.	Use	4	4	4	3	4	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	3	4	4	4	4	4	4	
	Spare	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Material for lining

: CHANGE SHIFT

Silica	1600						Safety stock =	2000	Kg	Total =	5200	Kg
Former	4						Safety stock =	2000	Kg	Total =	5200	Kg.

Remark ; [illegible] Lining [illegible]
[illegible]

Plan Lining Furnace of Mar.2020

Rev.0	PITIPONG	Jakkrit.k
03/02/2020		
Issued	Issued	Approved

Mar

DATE / DETAIL		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	
Fur. No.1	Charge	0	6	17	28	39	50	61	72	83	94	105	116	127	127	138	149	160	171	182	193	0	6	17	28	39	50	61	72	83	94	
FC Only	Prod.	0	6	11	11	11	11	11	11	11	11	11	11	11	0	11	11	11	11	11	11	0	6	11	11	11	11	11	11	11	11	FC Only 200 Chart
Lining Plan		●																				●										
Fur. No.2	Charge	138	149	160	171	182	193	204	0	6	17	28	39	50	50	61	72	83	94	105	116	116	127	138	149	160	171	182	182	193	204	
	Prod	0	11	11	11	11	11	11	0	6	11	11	11	11	0	11	11	11	11	11	11	0	11	11	11	11	11	11	0	11	11	FC & FCD 170 Chart
Lining Plan									●																							
Fur. No.3	Charge	192	203	214	0	6	17	17	28	39	50	61	72	83	83	94	105	116	127	138	149	149	160	171	182	193	204	215	0	6	17	
	Prod	0	11	11	0	6	11	0	11	11	11	11	11	11	0	11	11	11	11	11	11	0	11	11	11	11	11	11	0	6	11	FC & FCD 170 Chart
Lining Plan					●																								●			
Fur. No.4	Charge	50	61	72	83	94	105	105	116	127	138	149	160	171	171	182	193	204	215	0	6	17	28	39	50	61	72	83	94	105	116	
	Prod	0	11	11	11	11	11	0	11	11	11	11	11	11	0	11	11	11	11	0	6	11	11	11	11	11	11	11	11	11	11	FC & FCD 170 Chart
Lining Plan																				●												
Fur. No.5	Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SPARE
	Prod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FC Only 200 Chart
Lining Plan																																
Furnace for Prod.	Use	3	4	4	4	4	4	4	3	4	4	4	4	4	4	3	4	4	4	3	4	4	4	4	4	4	4	4	3	4	4	
	Spare	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Material for lining

Silica	1600				Safety stock =	2000	Kg	Total =	5200	Kg
Former	4				Safety stock =	2000	Kg	Total =	5200	Kg.

: CHANGE SHIFT

Remark ; ปรับเปลี่ยน Lining ตามอายุ
การใช้งานเพื่อตามความเหมาะสม

Plan Lining Furnace of April 2020

Rev.0	PITIPONG	Jakkrit.k
01/03/2020		
Issued	Issued	Approved

Apr

DATE / DETAIL		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	
Fur. No.1	Charge	104	115	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126	137	148	159	170	170	170	170	170	170	170	170	
FC Only	Prod.	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	11	0	0	0	0	0	0	0	FC Only 200 Chart
Lining Plan																																
Fur. No.2	Charge	204	215	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	226	0	6	17	28	28	28	28	28	28	28	28	
	Prod	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	11	11	0	0	0	0	0	0	0	FC & FCD 170 Chart
Lining Plan																					●											
Fur. No.3	Charge	28	39	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	61	72	83	94	94	94	94	94	94	94	94	
	Prod	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	11	0	0	0	0	0	0	0	FC & FCD 170 Chart
Lining Plan																																
Fur. No.4	Charge	80	91	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102	113	124	135	146	146	146	146	146	146	146	146	
	Prod	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	11	0	0	0	0	0	0	0	FC & FCD 170 Chart
Lining Plan																																
Fur. No.5	Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SPARE
	Prod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FC Only 200 Chart
Lining Plan																																
Furnace for Prod.	Use	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	4	4	4	4	4	
	Spare	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Material for lining

Silica	1600			Safety stock =	2000	Kg	Total =		5200	Kg
Former	4			Safety stock =	2000	Kg	Total =		5200	Kg.

: CHANGE SHIFT

Remark ; ปรับเปลี่ยน Lining ตามอายุ
การใช้งานเพื่อตามความเหมาะสม

Plan Lining Furnace of May 2020

Rev.0	PITIPONG	Jakkrit.k
01/05/2020		
Issued	Issued	Approved

May

DATE / DETAIL		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	
Fur. No.1	Charge	165	176	187	187	187	187	187	187	170	176	187	198	209	209	209	209	209	209	209	209	209	209	209	209	209	209	0	0	11	22	33	
FC Only	Prod.	11			0	0	0	0	0	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	FC Only 200 Chart
	Lining Plan																											●					
Fur. No.2	Charge	165	176	187	230	230	230	230	230	39	176	187	198	209	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	94	105	116	
	Prod	11	11	11	0	0	0	0	0	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	FC & FCD 170 Chart
	Lining Plan																																
Fur. No.3	Charge	12	23	34	34	34	34	34	34	105	23	34	45	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	56	67	78	89	
	Prod	11	11	11	0	0	0	0	0	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	FC & FCD 170 Chart
	Lining Plan																																
Fur. No.4	Charge	80	91	102	102	102	102	102	102	157	91	102	113	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	
	Prod	11	11	11	0	0	0	0	0	11	11	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FC & FCD 170 Chart
	Lining Plan																																
Fur. No.5	Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SPARE
	Prod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FC Only 200 Chart
	Lining Plan																																
Furnace for Prod.	Use	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Spare	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Material for lining

: CHANGE SHIFT

Silica	1600										Safety stock	2000	Kg	Total =		5200	Kg
Former	4										Safety stock	2000	Kg	Total =		5200	Kg.

Remark ; แก้ไขจาก Lining อาจจะมี
การเปลี่ยนแปลงตามความเหมาะสม

Plan Lining Furnace of June 2020

Rev.0	PITIPONG	Jakkrit.k
01/06/2020		
Issued	Issued	Approved

June

DATE / DETAIL		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	
Fur. No.1	Charge	44	44	44	44	44	44	44	44	44	44	44	55	66	77	88	99	99	99	99	99	110	121	132	143	143	143	143	143	143	143	
FC Only	Prod.	11	0	0	0	0	0	0	0	0	0	0	11	11	11	11	11	0	0	0	0	11	11	11	11	0	0	0	0	0	0	FC Only 200 Chart
	Lining Plan																															
Fur. No.2	Charge	127	127	127	127	127	127	127	127	127	127	127	138	149	160	171	182	182	182	182	182	193	204	215	226	226	226	226	226	226	226	
	Prod	11	0	0	0	0	0	0	0	0	0	0	11	11	11	11	11	0	0	0	0	11	11	11	11	0	0	0	0	0	0	FC & FCD 170 Chart
	Lining Plan																															
Fur. No.3	Charge	193	193	193	193	193	193	193	193	193	193	193	204	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	215	
	Prod	11	0	0	0	0	0	0	0	0	0	0	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FC & FCD 170 Chart
	Lining Plan																															
Fur. No.4	Charge	201	0	0	0	0	0	0	0	0	0	0	0	0	11	22	33	33	33	33	33	33	44	55	66	66	66	66	66	66	66	
	Prod	11	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	0	0	0	0	0	11	11	11	0	0	0	0	0	0	FC & FCD 170 Chart
	Lining Plan												●																			
Fur. No.5	Charge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	SPARE
	Prod	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	FC Only 200 Chart
	Lining Plan																															
Furnace for Prod.	Use	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	Spare	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	

Material for lining

: CHANGE SHIFT

Silica	1600			Safety stock	2000	Kg	Total =		5200	Kg									
Former	4			Safety stock	2000	Kg	Total =		5200	Kg.									

Remark ; แก้ไขจาก Lining อาจจะมี
การเปลี่ยนแปลงตามความเหมาะสม