INPU

TANGGAL	1-Mar-18
DINAS/SHIFT	PAGI KE 1
REGU	A
JUMLAH PEGAWAI	3 (tiga) orang + 1 cogindo
Supervisor	ARJUNAEDI
	Sp.OPA 1-4 A
Op. Control Room OPA 1-4	MUHAMAD SURURI
Op. Control Room OPA 1-4	SUKARDJO
Op. Local OPA 1-4	MUHLISAN

ISI KOLOM YANG BERWARNA MERAH DAN BIRU SAJA, SESUAI DIN

IT DATA

SIANG KE 1	MALAM KE 1
B	C
3 (tiga) orang + 1 cogindo	3 (tiga) orang + 1 cogindo
AGUS SALIM	NURHASAN
Sp.OPA 1-4 B	***Sp.OPA 1-4 C***
ENCE JUNAEDI	EDY SUDARSO
YOGA KANTI M	DADAN SUNANDAR
HAERUL AMRI	HAFIYUN

IAS HARI INI

INDONESIA POWER UP SURALAYA

RESUME SHIFT MEETING

SHIFT MEETING OPERASI ASH 1-7

SHIFT	: A	Dinas	:
Hari / Tgl	: 1-Mar-18	Tidak Hadir	:
Jumlah Peserta	: 3 (tiga) orang + 1 cogindo	A/N	:
Pimpinan Meeting	: ARJUNAEDI	Notulen	:

TARGET PEMBANGKITAN	Penyaluran pada Bottom Ash dan Fly Ash berjalan Normal da

	NO	NAMA PERALATAN
PERMASALAHAN	1	*EPTR STOP ===> OVER HOULE*
	2	*EPTR 2 FL (Internal)*
	3	*EPTR 3 Normal*
	4	*EPTR 4CN (Internal) , PHL (Spark) F (Ampere high)*
	5	*Trans 1 STOP Semua*
	6	*Trans 2 FLM (abu kasar) ,B (No Press)*
	7	*Trans 3 Normal … EPTR ===> BCDGJLMPRS (OFF saat hujan*
	8	*Trans 4 Normal*
	9	*Emergency Mobil Conveyor MOTOR SHORT*
	10	*Air dryer 4B (expansion joint lepas)*
	11	*HMI EPTR Unit 1 Blank ACOM 3C MOTOR SHORT*
	12	*SWBP 3A pompa vibrasi*
	13	*Exhaust Fan Silo A (Gadel;ius) MOTOR SHORT*
	14	*CONV 9B Perbaikan motor*
	15	
RENCANA KERJA	1	*• Check Chute Conveyor system #1-4 dan DU + DC*
	2	*• Check peralatan dilokal, monitor water level dan lower chute start S*
	3	*• Check dan Flashing lokal Transportet #1-4 + nurunin abu via PGC ,*
	4	*• Check, Record Parameter dan Drain Receiver Tank, ACOM, dan Air*
	5	*• Check dan Record parameter EP TR # 1-4 dan Rapping bila perlu*
	6	*• Check peralatan dilokal, monitor water level dan lower chute SSC #*
	7	*• Monitor peralatan Unit 1-4 yang operasi*
	8	*• Mengosongkan abu Silo kaleng ===> DU di operasikan*
	9	
	10	
USUL / SARAN	1	
	2	
	3	

DAFTAR HADIR

NO	NAMA	JABATAN
1	ARJUNAEDI	Sp.OPA 1-4 A
2	MUHAMAD SURURI	Op. Control Room OPA 1-4
3	SUKARDJO	Op. Control Room OPA 1-4
4	MUHLISAN	Op. Local OPA 1-4
5		
6		

Keterangan :* S= Sakit C = Cuti I= Ijin

T= Training A= Alpa D = Dispensasi

Notulis

MUHLISAN

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INDONESIA POWER
UP SURALAYA

RE

SHIFT	:
Hari / Tgl	:
Jumlah Peserta	:
Pimpinan Meeting	:

PAGI KE 1	
keterangan (S / C / I / T / A / D / TD*)	
0	
n lancar	
turun)	
SC # 1-4	
DC 1A/B dioperasikan	
Dryer.	
1-4	

TARGET PEMBANGKITAN	Penyalura

	NO	
PERMASALAHAN	1	EPTR STOP ===.
	2	EPTR 2 FL (Inter
	3	EPTR 3 Normal
	4	EPTR 4CN (Inte
	5	Trans 1 STOP Ser
	6	Trans 2 FLM (abu
	7	Trans 3 Normal
	8	Trans 4 Normal
	9	Emergency Mobil
	10	Air dryer 4B (expa
	11	HMI EPTR Unit 1
	12	SWBP 3A pompa v
	13	Exhaust Fan Silo A
	14	CONV 9B Perbaika
	15	ACOM 4B hose cooler
RENCANA KERJA	1	• Check Chute Con
	2	• Check peralatan d
	3	• Check dan Flashi
	4	• Check, Record Pa
	5	• Check dan Record
	6	• Check peralatan d
	7	• Monitor peralata
	8	• Mengosongkan a
	9	• Mengosongkan ab
	10	
USUL / SARAN	1	
	2	
	3	

TANDA TANGAN

NO	NAMA
1	AGUS SALIM
2	ENCE JUNAEDI
3	YOGA KANTI M
4	HAERUL AMRI
5	
6	

Keterangan :* S= Sakit

T= Trainin

Pimpinan Rapat	Notulis
ARJUNAEDI	HAERUL AMRI

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ESUME SHIFT MEETING

SHIFT MEETING OPERASI ASH 1-7

B	Dinas	:	SIANG KE 1
1-Mar-18	Tidak Hadir	:	keterangan (S / C / I / T / A / D / TD*)
3 (tiga) orang + 1 cogindo	A/N	:	
AGUS SALIM	Notulen	:	

n pada Bottom Ash dan Fly Ash berjalan Normal dan lancar

NAMA PERALATAN

> OVER HOULE
nal)

nal) , PHL (Spark) F (Ampere high)
nua
kasar)

Conveyor MOTOR SHORT
nsion joint lepas)
Blank
ibrasi
(Gadel;ius) MOTOR SHORT
n motor
bocor

veyor system #1-4 dan DU + DC
dilokal, monitor water level dan lower chute start SSC # 1-4
ng lokal Transportet #1-4 + nurunin abu via PGC , DC 1A/B dioperasikan
rameter dan Drain Receiver Tank, ACOM, dan Air Dryer.
d parameter EP TR # 1-4 dan Rapping bila perlu
dilokal, monitor water level dan lower chute SSC # 1-4
n Unit 1-4 yang operasi
bu Silo kaleng ===> DU di operasikan
u economizer ===> DDCC UNIT 2 di operasikan

DAFTAR HADIR

	JABATAN	TANDA TANGAN	
	Sp.OPA 1-4 B		
	Op. Control Room OPA 1-4		
	Op. Control Room OPA 1-4		
	Op. Local OPA 1-4		

C = Cuti I= Ijin

g A= Alpa D = Dispensasi

Pimpinan Rapat

AGUS SALIM

INDONESIA POWER UP SURALAYA

RESUME SHIFT MEETING

SHIFT MEETING OPERASI ASH 1-7

SHIFT	: C	Dinas	:
Hari / Tgl	: 1-Mar-18	Tidak Hadir	:
Jumlah Peserta	: 3 (tiga) orang + 1 cogindo	A/N	:
Pimpinan Meeting	: NURHASAN	Notulen	:

TARGET PEMBANGKITAN	Penyaluran pada Bottom Ash dan Fly Ash berjalan Normal da

	NO	NAMA PERALATAN
PERMASALAHAN	1	*EPTR STOP ===> OVER HOULE*
	2	*EPTR 2 FL (Internal) , 2V (level High)*
	3	*EPTR 3 Normal*
	4	*EPTR 4CN (Internal) , PHL (Spark) F (Ampere high)*
	5	*Trans 1 STOP Semua*
	6	*Trans 2 FLM (abu kasar)*
	7	*Trans 3 Normal*
	8	*Trans 4 N (Abu kasar)*
	9	*Emergency Mobil Conveyor MOTOR SHORT*
	10	*Air dryer 4B (expansion joint lepas)*
	11	*HMI EPTR Unit 1 Blank*
	12	*SWBP 3A pompa vibrasi ,ACOM 4B Cooler bocor*
	13	*Exhaust Fan Silo A (Gadel;ius) MOTOR SHORT*
	14	*CONV 9B Perbaikan motor , Conv 7A Belt belah*
	15	
RENCANA KERJA	1	*• Check Chute Conveyor system #1-4 dan DU + DC*
	2	*• Check peralatan dilokal, monitor water level dan lower chute sta*
	3	*• Check dan Flashing lokal Transportet #1-4 + nurunin abu via PG*
	4	*• Check, Record Parameter dan Drain Receiver Tank, ACOM, dan*
	5	*• Check dan Record parameter EP TR # 1-4 dan Rapping bila perlu*
	6	*• Check peralatan dilokal, monitor water level dan lower chute SSC*
	7	*• Monitor peralatan Unit 1-4 yang operasi*
	8	*• Mengosongkan abu Silo kaleng ===> DU di operasikan*
	9	
	10	
USUL / SARAN	1	
	2	
	3	

DAFTAR HADIR

NO	NAMA	JABATAN
1	NURHASAN	Sp.OPA 1-4 C
2	EDY SUDARSO	Op. Control Room OPA 1-4
3	DADAN SUNANDAR	Op. Control Room OPA 1-4
4	HAFIYUN	Op. Local OPA 1-4
5		
6		

Keterangan :* S= Sakit C = Cuti I= Ijin

T= Training A= Alpa D = Dispensasi

Notulis

HAFIYUN

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MALAM KE 1
keterangan (S / C / I / T / A / D / TD*)
0
n lancar

t SSC # 1-4
C , DC 1A/B dioperasikan
Air Dryer.
1
C # 1-4

TANDA TANGAN	

Pimpinan Rapat

NURHASAN

INDONESIA POWER UP SURALAYA

LAPORAN HARIAN ASH HANDLING PLANT
UNIT 1 - 4

TANGGAL	1-Mar-18	JUMLAH PEGAWAI	3 (tiga) orang + 1 cogindo
SHIFT	A	TIDAK HADIR	Arjunaedi
DINAS	PAGI KE 1	PENGGANTI	-
JAM	07.00 - 15.00	KETERANGAN	C u t i

	KEGIATAN	
07.00	Terima tugas dari regu " D "	
	#1 EP Hopper High : MAIN UNIT O/H	Acom : D AB (Stanby) C (Perbaikan screw)
	Transporter : : F(Abu kasar),	Air Dryer : ABC D (Standby)
	EP TR : B (internal) F (Undervoltage fault), RM no 2,7 & 21 (Isolator Pecah)	
	#2 EP Hopper High : Normal	Acomp : ABC //
	Transporter : FLM (Abu kasar)	Air Dryer : ABC //
	EP TR : FL (Internal), A (Alarm DC volt low) RM no 25 & 18 Isolator pecah,RM no 6,20,28,38 Intrernal, Drm no 3,9	
	#3 EP Hopper High : Normal	Acomp : ABC //
	Transporter : Normal	Air Dryer : BC// A OFF
	EP TR : Normal	
	#4 EP Hopper High : Normal	Acomp : AC //
	Transporter : N (Abu kasar)	Air Dryer : AC// B (Expantion join rusak)
	EP TR : CN (Internal), LHP (spark), F (Ampere high) RM no A6,A7,A9,A12 ,B8,B9 ,B12 Isolator pecah	
	- Conv system & SSC # 2 - 3 Conv 8A Conv 8 To Mobile Conv	
	- Trans # 2-4 ke silo beton A kecuali #2 EKRW ke silo kaleng B	
	# MAIN UNIT #1 STOP "OH"	
	- **SWBP 3A pompa Masih Vibrasi**	
07.30	- Check Bottom ash ,Lower chute ,water level SSC # 1 - 4 Normal	
	- Check Cleaning DC dan Chute Conveyor system	
	- Check & Drain Acom, Air Dryer, Receiver Tank #1 - 4,	
08.45	- Flushing Transporter # 2- 4	
	- Menurunkan abu hopper VIA PGC #2FLMHNC #4N ke PGC	
	- Dust Conditioner 2B,3B, 4A ==> Dust air fan 2B,,3B,4B //	
	- Menangani Notrans #2 EKRW	
10:30	- Check DC & cleaning chute conv system,	
	- CHECK EP TR & Transporter	
	●#1. - EP TR : **Main Unit Stop / OH**	#1. Trans : **OH**
	●#2. - EP TR : **FL (Internal) , A (Alarm DC volt low)**	#2. Trans : **FLM (Abu Kasar)**
	●#3. - EP TR : **Normal**	#3. Trans : **Normal**
	●#4. - EP TR : **HPL (Spark) CN (Internal) F (Ampere high)**	#4. Trans : **N (Abu Kasar)**
12.45	- Check Bottom ash ,Lower chute ,water level SSC # 1 - 4 Normal	
	- Flushing Transporter # 2- 4	
	- Dust Conditioner 2B,3B, 4A ==> Dust air fan 2B,,3B,4B //	
	- Menurunkan abu hopper VIA PGC #2FLMHNC #4N ke PGC	
14.15	- Check & cleaning chute conv system,	
	- Conv system & SSC # 2-4 // continue	
15:00	- Tugas dilanjut Regu B	

MAIN UNIT	*UNIT 1*	*UNIT 2*	*UNIT 3*	*UNIT 4*	*TOTAL*
MILL	*A/B/C/D/E*	*A/B/C/D /E*	*A/B/C/D E (Insp)*	*A/C/D / E B (Insp)*	
BEBAN MW	-	*394*	*345*	*277*	*1,016*
BATU BARA /TON/SHIFT	-	*2,116.715*	*1,805.670*	*1,420.446*	*5,342.831*
ASAL BATU BARA		*Campuran*	*Campuran*	*Campuran*	
BOTTOM ASH TON	-	*16.93*	*14.45*	*11.36*	*42.74*
FLY ASH TON	-	*64.35*	*54.89*	*43.18*	*162.42*

Mengetahui
SPS LAU

IRWAN SUBANDI

DI LAPORKAN
Sp.OPA 1-4 A

ARJUNAEDI

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 1
OPERATOR LOCAL ASH HANDLING

SHIFT : A
TGL : 1-Mar-18

Chamber A				EP. Hopper / EP TR	Chamber B			
A		F			L		S	
1	2	3	4	Rapper Motor	21	22	23	24
MAIN		UNDER		KV	MAIN		MAIN	
UNIT		VOLTAGE		Ampere	UNIT		UNIT	
STOP O/H		FAULT		Milli Ampere	STOP O/H		STOP O/H	
N		N		HOPPER LEVEL	N		N	
No. 2 Normal				Dirrecting Rapper Motor	No. 8 Normal			
A		F		Transmitter Row 1	L		S	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
B		G		EP. Hopper / EP TR	M		T	
5	6	7	8	Rapper Motor	25	26	27	28
INTERNAL		MAIN		KV	MAIN		MAIN	
		UNIT		Ampere	UNIT		UNIT	
		STOP O/H		Milli Ampere	STOP O/H		STOP O/H	
N		N		HOPPER LEVEL	N		N	
No. 3 Normal				Dirrecting Rapper Motor	No. 9 Normal			
B				Transmitter Row 2	M		T	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
C		H		EP. Hopper / EP TR	N		U	
9	10	11	12	Rapper Motor	29	30	31	32
MAIN		MAIN		KV	MAIN		MAIN	
UNIT		UNIT		Ampere	UNIT		UNIT	
STOP O/H		STOP O/H		Milli Ampere	STOP O/H		STOP O/H	
N		N		HOPPER LEVEL	N		N	
No. 4 Normal				Dirrecting Rapper Motor	No. 10 Normal			
C		H		Transmitter Row 3	N		U	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
D		J		EP. Hopper / EP TR	P		V	
31		16		Rapper Motor	33		34	
MAIN		MAIN		KV	MAIN		MAIN	
UNIT		UNIT		Ampere	UNIT		UNIT	
STOP O/H		STOP O/H		Milli Ampere	STOP O/H		STOP O/H	
N		N		HOPPER LEVEL	N		N	
No.5 Normal				Dirrecting Rapper Motor	No. 11 Normal			
D		J		Transmitter Row 4	P		V	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
E		K		EP. Hopper / EP TR	R		W	
19		20		Rapper Motor	37		38	
MAIN		MAIN		KV	MAIN		MAIN	
UNIT		UNIT		Ampere	UNIT		UNIT	
STOP O/H		STOP O/H		Milli Ampere	STOP O/H		STOP O/H	
N		H		HOPPER LEVEL	N		N	
No. 6 Normal				Dirrecting Rapper Motor	No. 12 Normal			
E		K		Transmitter Row 5	R		W	
N		N		AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	

Compressor	Pressure	Tempera
A		
B		
C		
D		

Hours	Ampere (I1)

Dryer	Dew Point
A	
B	
C	
D	

KETERANGAN

Catatan :
N = Normal
H = High
M = Perbaikan

B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung
+ = Panas
- = Dingin
Blk = Block

Heating bank		Blower	
A		A	
B		B	

Heater (Ampere)	
1	
2	
3	
4	

Mengetahui
Sp.OPA 1-4 C

ARJUNAEDI

Di Laporkan oleh :

0

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 2
OPERATOR LOCAL ASH HANDLING

SHIFT : A
TGL : 1-Mar-18

Chamber A				EP. Hopper / EP TR	Chamber B			
A		F			L		S	
1	2	3	4	Rapper Motor	21	22	23	24
9		INTERNAL		KV	INTERNAL		27	
40				Ampere			15	
25				Milli Ampere			53	
N		N		HOPPER LEVEL	N		N	
No. 2				Dirrecting Rapper M	No. 8			
A		F		Transmitter Row 1	L		S	
N		SB ABU KASAR		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	SB ABU KASAR		N	
B		G		EP. Hopper / EP TR	M		T	
5	6	7	8	Rapper Motor	25 off	26	27	28 off
33		32		KV	27		32	
46		42		Ampere	25		72	
196		98		Milli Ampere	99		300	
N		N		HOPPER LEVEL	N		N	
No. 3				Dirrecting Rapper Motor	No. 9			
B		G		Transmitter Row 2	M		T	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	SB ABU KASAR		N	
C		H		EP. Hopper / EP TR	N		U	
9	10	11	12	Rapper Motor	29	30	31	32
35		38		KV	24		31	
46		51		Ampere	78		14	
100		97		Milli Ampere	150		67	
N		N		HOPPER LEVEL	N		N	
No. 4				Dirrecting Rapper Motor	No. 10			
C		H		Transmitter Row 3	N		U	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
D		J		EP. Hopper / EP TR	P		V	
15		16		Rapper Motor	33		34	
32		41		KV	34		33	
38		88		Ampere	68		68	
100		200		Milli Ampere	200		200	
N		N		HOPPER LEVEL	N		N	
No.5 Normal				Dirrecting Rapper Motor	No. 11 Normal			
D		J		Transmitter Row 4	P		V	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
E		K		EP. Hopper / EP TR	R		W	
19		20		Rapper Motor	37		38	
40		42		KV	36		35	
40		31		Ampere	38		36	
100		81		Milli Ampere	99		71	
N		N		HOPPER LEVEL	N		N	
No. 6				Dirrecting Rapper Motor	No. 12			
E		K		Transmitter Row 5	R		W	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	

Compressor	Pressure	Tempera	Hours	Ampere (I1)	Dryer	Dew Point
A	*6.1*	*87*	*36956*	*62*	A	//
B	*6.2*	*84*	*17470*	*63*	B	//
C	*6.2*	*76*	*39321*	*64*	C	//
D					D	

KETERANGAN

Catatan :
N = Normal
H = High
M = Perbaikan
A = Abnormal
B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung
+ = Panas
- = Dingin
Blk = Block

Heating bank		Blower	
A		A	
B		B	

Heater (Ampere)	
1	
2	
3	
4	

Mengetahui
Sp.OPA 1-4 C

ARJUNAEDI

Di Laporkan oleh :

MUHAMAD SURURI

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 3
OPERATOR LOCAL ASH HANDLING

SHIFT : A
TGL : 1-Mar-18

CHAMBER A				CHAMBER B		KETERANGAN
A	E		EP. HOPPER / EP TR	J	N	
5	1	6	ERM / CRM / ERM	5	1	6
39	37		KV	40	38	
81	48		AMPERE	98	87	
301	175		M ampere	298	262	
N	N		HOPPER LEVEL	N	N	
A	E		TRANSMITTER ROW 1	J	N	
REMOTE			REMOTE / LOCAL	REMOTE	REMOTE	
N	N		ASH INLET VALVE	N	N	
			AIR INLET VALVE			
			ASH OUTLET VALVE			
			VENT VALVE			
			P G C LINE			
B	F		EP. HOPPER / EP TR	K	P	
7	1	8	ERM / CRM / ERM	7	2	8
42	40		KV	37	39	
120	81		AMPERE	81	142	
143	297		M ampere	275	302	
N	N		HOPPER LEVEL	N	N	
B	F		TRANSMITTER ROW 1	K	P	
REMOTE			REMOTE / LOCAL	REMOTE		
N	N		ASH INLET VALVE	N	N	
			AIR INLET VALVE			
			ASH OUTLET VALVE			
			VENT VALVE			
			P G C LINE			
C	G		EP. HOPPER / EP TR	L	R	
9	3	10	ERM / CRM / ERM	9	3	10
39	40		KV	38	37	
36	84		AMPERE	75	75	
98	244		M ampere	250	223	
N	N		HOPPER LEVEL	N	N	
C	G		TRANSMITTER ROW 1	K	P	
REMOTE			REMOTE / LOCAL	LOKAL		
N	N		ASH INLET VALVE	N	N	
			AIR INLET VALVE			
			ASH OUTLET VALVE			
			P G C LINE			
D	H		EP. HOPPER / EP TR	M	S	
11	4	12	ERM / CRM / ERM	11	45	12
40	41		KV	38	36	
79	151		AMPERE	86	76	
243	219		M ampere	246	248	
N	N		HOPPER LEVEL	N	N	
D	H		TRANSMITTER ROW 1	M	S	
REMOTE			REMOTE / LOCAL	REMOTE		
N	N		ASH INLET VALVE	N	N	
			AIR INLET VALVE			
			ASH OUTLET VALVE			
			P G C LINE			

Catatan :
N = Normal
H = High
M = Perbaikan
A = Abnormal
B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung

ACOM	PRESSURE	TEMP	HOUR	LEVEL OIL L / N / H	AIR DRYER	Dew Point Pressure	Dew Point Temperatur
A	*6.9*	*89*	*12354*	*N*	A		*0.1*
B	*7.1*	*92*	*68795*	*N*	B		*0.1*
C	*6.7*	*85*	*138*	*N*	C		-

Mengetahui
Sp.OPA 1-4 A

ARJUNAEDI

Di Laporkan oleh :

MUHLISAN

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 4
OPERATOR LOCAL ASH HANDLING

SHIFT : A
TGL : 1-Mar-18

CHAMBER A			EP. HOPPER / EP TR	CHAMBER B			KETERANGAN
A	E		EP. HOPPER / EP TR	J	N		
5	1	6	ERM / CRM / ERM	5	1	6	
42	40		KV	46	INTERNAL		Catatan :
120	100		AMPERE	120			N = Normal
400	200		M ampere	300			H = High
N	N		HOPPER LEVEL	N	N		M = Perbaikan
A	E		TRANSMITTER ROW 1	J	N		A = Abnormal
REMOTE			REMOTE / LOCAL	REMOTE			B = Block
N	N		ASH INLET VALVE	N	SB ABU KASAR		SB = Stand By
			AIR INLET VALVE				LT = Level Trouble
			ASH OUTLET VALVE				-P = No Pressure
			VENT VALVE				-T = Block Line.
			P G C LINE				BT = Block Tabung
B	F		EP. HOPPER / EP TR	K	P		
7	1	8	ERM / CRM / ERM	7	2	8	
60	Ampere high		KV	46	SPARK		
90			AMPERE	90			
120			M ampere	300			
N	N		HOPPER LEVEL	N	N		
B	F		TRANSMITTER ROW 1	K	P		
REMOTE			REMOTE / LOCAL	REMOTE			
N	N		ASH INLET VALVE	N	N		
			AIR INLET VALVE				
			ASH OUTLET VALVE				
			VENT VALVE				
			P G C LINE				
C	G		EP. HOPPER / EP TR	L	R		
9	3	10	ERM / CRM / ERM	9	3	10	
INTERNAL	44		KV	SPARK	44		
	90		AMPERE		70		
	300		M ampere		300		
N	N		HOPPER LEVEL	N	N		
C	G		TRANSMITTER ROW 1	K	P		
REMOTE			REMOTE / LOCAL	LOKAL			
N	N		ASH INLET VALVE	N	N		
			AIR INLET VALVE				
			ASH OUTLET VALVE				
			P G C LINE				
D	H		EP. HOPPER / EP TR	M	S		
11	4	12	ERM / CRM / ERM	11	45	12	
36	SPARK		KV	38	32		
100			AMPERE	80	100		
400			M ampere	300	120		
N	N		HOPPER LEVEL	N	N		
D	H		TRANSMITTER ROW 1	M	S		
REMOTE			REMOTE / LOCAL	REMOTE			
N	N		ASH INLET VALVE	N	N		
			AIR INLET VALVE				
			ASH OUTLET VALVE				
			P G C LINE				

ACOM	PRESSURE	TEMP	HOUR	LEVEL OIL L / N / H	AIR DRYER	Dew Point Pressure	Dew Point Temperatur
A	*6.8*	*97*	*25852*	*N*	A		*0.5*
B	-	-	-	*N*	B		-
C	*6.6*	*103*	*63268*	*N*	C		*0.7*

Mengetahui
Sp.OPA 1-4 A

ARJUNAEDI

Di Laporkan oleh :

SUKARDJO

INDONESIA POWER UP SURALAYA

LAPORAN HARIAN ASH HANDLING PLANT
UNIT 1 - 4

TANGGAL	1-Mar-18	JUMLAH PEGAWAI	3 (tiga) orang + 1 cogindo
SHIFT	B	TIDAK HADIR	-
DINAS	SIANG KE 1	PENGGANTI	-
JAM	15.00 - 22.00	KETERANGAN	-

	KEGIATAN		
15.00	TERIMA TUGAS DARI REGU " A "		
	#1 EP Hopper High	: MAIN UNIT O/H	Acom : ABD (off), C (perbaikan)
	Transporter	:	Air Dryer : ABC (off)
	EP TR	: STOP	
	#2 EP Hopper High	: NORMAL	Acomp : ABC //
	Transporter	: FLM (abu kasar), BG EKRW (ke beton blok)	Air Dryer : ABC //
	EP TR	: FL (internal), A (DC volt low)	
	#3 EP Hopper High	: NORMAL	Acomp : ABC //
	Transporter	: NORMAL	Air Dryer : AB //
	EP TR	: NORMAL	
	#4 EP Hopper High	: NORMAL	Acomp : AC // B (hose cooler bocor)
	Transporter	: N (abu kasar)	Air Dryer : AC //
	EP TR	: CN (Internal), PHL (spark), F (ampere high)	
	Conv system & SSC #1-2-3-4 stop stby. manual desk to Mobil conv.		
	• Dryer 4B Expantion join rusak		
	• Transporter unit 2-3-4 ke silo beton A		
	• Conv 2B Belt sobek, Conv 9B motor overload		
16.00	>> Check peralatan lokal dan Cleaning chute conv systim / DU & DC #1 - 4		
	>> SSC #1,#2,#3,#4 // manual desk normal		
	Check bottom ash hopper dan level air SSC #1, #2 #3 # 4 normal //		
	Check dan Drain Acom, Air dryer, receiver tank 1-4		
16.10	>> DC : # 1AB,2AB, 3AB ,4AB // ==> Dust air fan # 1B, 2B, 3A, 4A //		
	Check dan flashing line transporter #1 - #4		
	Dust less Unloader 'B' // 5 '		
16.40	• Mengosongkan abu economizer ===> DDCC UNIT 2 di operasikan		
17.00	>> Check EP.TR + Transporter		
	#1. EP TR : STOP O/H		
	Trans : F (abu kasar), O/H		
	#2. EP TR : FL (internal)		
	Trans : FLM (abu kasar)		
	#3. EP TR : Normal		
	Trans : Normal		
	#4. EP TR : CN (Internal),PHL (Spark), F (Ampere high)		
	Trans : N (Abu kasar)		
17.20	>> SSC #1,#2, #4 // manual desk normal		
	Check bottom ash hopper dan level air SSC #1, #2 #3 # 4 normal //		
20.00	>> SSC #1,#2, #4 // manual desk normal		
	Dust less Unloader 'B' // 5 '		
20.10	>> DC : # 1AB,2AB , 3AB, 4AB // ==> Dust air fan # 1B, 2B, 3A, 4A //		
	Check dan flashing line transporter #1 - #4		
	Cleaning chutes conveyor dan mixer DC		
21.30	>> SSC #1,#2, #3, #4 // manual desk normal		
22.00	*Tugas di serahkan ke regu ' C '*		
	Catt: Transporter unit 2-4 ke silo beton A, kecuali 2BG, EKRW ke silo kaleng B		
	Unit 1 : 2A > 2B > 8 > mobile conveyor		
	Unit 2 : 3 > 6 > 2B > 8 > mobile conveyor		
	Unit 3 : 9A > 9B > 8A > 8 > mobile conveyor		
	Unit 4 : 14 > 12 > 9B > 8A > 8 > mobile conveyor		

MAIN UNIT	*UNIT 1*	*UNIT 2*	*UNIT 3*	*UNIT 4*	*TOTAL*
MILL	*A/B/C/D/E*	*A/B/C/D /E*	*A/B/C/D E (Insp)*	*A/C/D / E B (Insp)*	

	BEBAN MW	-	*397*	*345*	*277*	*1,019*
	BATU BARA /TON/SHIFT	-	*1,751.764*	*1,586.680*	*1,182.640*	*4,521.084*
	ASAL BATU BARA	-	*BERAU + Campuran*	*BERAU + Campuran*	*BERAU + Campuran*	-
	BOTTOM ASH TON	-	*14.01*	*12.69*	*9.46*	*36.17*
	FLY ASH TON	-	*53.25*	*48.24*	*35.95*	*137.44*

Mengetahui
SPS LAU

IRWAN SUBANDI

DI LAPORKAN
Sp.OPA 1-4 B

AGUS SALIM

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 1
OPERATOR LOCAL ASH HANDLING

SHIFT : B
TGL : 1-Mar-18

A		F		EP. Hopper / EP TR	L		S	
1	2	3	4	Rapper Motor	21	22	23	24
		under voltage		KV				
				Ampere				
				Milli Ampere				
		N		HOPPER LEVEL	N		N	
No. 2				Dirrecting Rapper Motor	No. 8			
A		F		Transmitter Row 1	L		S	
N		ABU KASAR		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
B		G		EP. Hopper / EP TR	M		T	
5	6	7	8	Rapper Motor	25	26	27	28
internal				KV Ampere Milli Ampere				
N		N		HOPPER LEVEL	N		N	
No. 3				Dirrecting Rapper Motor	No. 9			
B		G		Transmitter Row 2	M		T	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
C		H		EP. Hopper / EP TR	N		U	
9	10	11	12	Rapper Motor	29	30	31	32
				KV Ampere Milli Ampere				
N		N		HOPPER LEVEL	N		N	
No. 4 -				Dirrecting Rapper Motor	No. 10			
C		H		Transmitter Row 3	N		U	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
D		J		EP. Hopper / EP TR	P		V	
15		16		Rapper Motor	33		34	
				KV Ampere Milli Ampere				
N		N		HOPPER LEVEL	N		N	
No.5 Normal				Dirrecting Rapper Motor	No. 11 Normal			
D		J		Transmitter Row 4	P		V	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
E		K		EP. Hopper / EP TR	R		W	
43		20		Rapper Motor	37		38	
				KV Ampere Milli Ampere				
N		N		HOPPER LEVEL	N		N	
No. 6				Dirrecting Rapper Motor	No. 12			
E		K		Transmitter Row 5	R		W	
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	

MAIN UNIT
STOP
O/H

Catatan :
N = Normal
H = High
M = Perbaikan
A = Abnormal
B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung
+ = Panas
- = Dingin
Blk = Block

Heating bank		Blower	
A		A	
B		B	

Compressor	Pressure	Tempera	Hours	Ampere (I1)
A				
B				
C	PERBAIKAN			
D				

Dryer	Dew Point
A	
B	
C	
D	

Heater (Ampere)	
1	
2	
3	
4	

Mengetahui
Sp.OPA 1-4 B

AGUS SALIM

Di Laporkan oleh :

Sp.OPA 1-4 B

PELAKSANAAN PENGOPERASIAN
PERALATAN FLY ASH SYSTEM UNIT 1

NO	NAMA ALAT	Minggu Ke I - II - III - IV Hari / Tanggal 1-Mar-18	KETERANGAN
1	Compressor A	*operasikan (periksa ke lokal)*	
2	Compressor B	*operasikan (periksa ke lokal)*	
3	Compressor C	*operasikan (periksa ke lokal)*	
4	Compressor D	*operasikan (periksa ke lokal)*	
5	Air Dryer A	*operasikan (periksa ke lokal)*	
6	Air Dryer B	*operasikan (periksa ke lokal)*	
7	Air Dryer C	*operasikan (periksa ke lokal)*	
8	Air Dryer D	*operasikan (periksa ke lokal)*	
11	Transporter Row 1	*operasikan*	
12	Transporter Row 2	*operasikan*	
13	Transporter Row 3	*operasikan*	
14	Transporter Row 4	*operasikan*	
15	Transporter Row 5	*operasikan*	
16	EPTR / CRM / DRM Chamber A	*operasikan (periksa ke lokal)*	
17	EPTR / CRM / DRM Chamber B	*operasikan (periksa ke lokal)*	
18	EP Hopper Heater	*operasikan*	
19	PGC System	*operasikan (periksa ke lokal)*	
20	Buffer Hopper	*operasikan (periksa ke lokal)*	
21	Dust Conditioner A	*operasikan (change over)*	
22	Dust Conditioner B	*operasikan (change over)*	
23	Dust Air Fan A	*operasikan (change over)*	
24	Dust Air Fan B	*operasikan (change over)*	
25	Heater Air Fan A	*operasikan (change over)*	
26	Heater Air Fan B	*operasikan (change over)*	

Suralaya 1-Mar-18

Sp.Senior LAU	Mengetahui : Sp.OPA 1-4 B	Op. Control Room OPA 1-4
IRWAN SUBANDI	AGUS SALIM	ENCE JUNAEDI

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 2
OPERATOR LOCAL ASH HANDLING

SHIFT : B
TGL : 1-Mar-18

A		F		EP. Hopper / EP TR	L		S	
1	2	3	4	Rapper Motor	21	22	23	24
DC Volt Low		internal		KV	internal		25	
				Ampere			28	
				Milli Ampere			100	
N		N		HOPPER LEVEL	N		N	
No. 2				Dirrecting Rapper Motor	No. 8			
A		F		Transmitter Row 1	L		S	
N		SB ABU KASAR		ASH INLET VALVE	ABU KASAR		N	
				AIR INLET VALVE				
				ASH OUTLET VALVE				
N		N		HOPPER LEVEL	N		N	
B		G		EP. Hopper / EP TR	M		T	
5	6	7	8	Rapper Motor	25	26	27	28
29		31		KV	24		33	
70		39		Ampere	25		72	
200		100		Milli Ampere	100		300	
N		N		HOPPER LEVEL	N		N	
No. 3 hammer macet				Dirrecting Rapper Motor	No. 9 hammer macet			
B		G		Transmitter Row 2	M		T	
N		N		ASH INLET VALVE	ABU KASAR		N	
				AIR INLET VALVE				
				ASH OUTLET VALVE				
				P G C LINE				
C		H		EP. Hopper / EP TR	N		U	
9	10	11	12	Rapper Motor	29	30	31	32
35		38		KV	23		29	
46		58		Ampere	78		23	
100		100		Milli Ampere	100		100	
N		N		HOPPER LEVEL	N		N	
No. 4 -				Dirrecting Rapper Motor	No. 10			
C		H		Transmitter Row 3	N		U	
N		N		ASH INLET VALVE	N		N	
				AIR INLET VALVE				
				ASH OUTLET VALVE				
				P G C LINE				
D		J		EP. Hopper / EP TR	P		V	
15		16		Rapper Motor	33		34	
35		41		KV	34		32	
53		88		Ampere	68		82	
150		200		Milli Ampere	200		250	
N		N		HOPPER LEVEL	N		N	
No.5 Normal				Dirrecting Rapper Motor	No. 11 Normal			
D		J		Transmitter Row 4	P		V	
N		N		ASH INLET VALVE	N		N	
				AIR INLET VALVE				
				ASH OUTLET VALVE				
				P G C LINE				
E		K		EP. Hopper / EP TR	R		W	
19		20		Rapper Motor	37		38	
40		39		KV	37		35	
74		21		Ampere	44		36	
200		50		Milli Ampere	120		70	
N		N		HOPPER LEVEL	N		N	
No.6 Normal				Dirrecting Rapper Motor	No. 12			
E		K		Transmitter Row 5	R		W	
N		N		ASH INLET VALVE	N		N	
				AIR INLET VALVE				
				ASH OUTLET VALVE				
				P G C LINE				

Catatan :
N = Normal
H = High
M = Perbaikan
A = Abnormal
B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung
+ = Panas
- = Dingin
Blk = Block

Compressor	Pressure	Tempera	Hours	Ampere (I1)	Dryer	Dew Point
A	6.3	87	36936	63	A	
B	6.3	82	17446	64	B	
C	6.2	76	39298	55	C	
D					D	

Heating bank		Blower	
A		A	
B		B	

Heater (Ampere)	
1	
2	
3	
4	

Mengetahui
Sp.OPA 1-4 B

AGUS SALIM

Di Laporkan oleh :

ENCE JUNAEDI

PELAKSANAAN PENGOPERASIAN
PERALATAN FLY ASH SYSTEM UNIT 2

NO	NAMA ALAT	Minggu Ke / Hari / Tanggal	KETERANGAN
		I - II - III - IV / 1-Mar-18	
1	Compressor A	*operasikan (periksa ke lokal)*	
2	Compressor B	*operasikan (periksa ke lokal)*	
3	Compressor C	*operasikan (periksa ke lokal)*	
4			
5	Air Dryer A	*operasikan (periksa ke lokal)*	
6	Air Dryer B	*operasikan (periksa ke lokal)*	
7	Air Dryer C	*operasikan (periksa ke lokal)*	
8			
11	Transporter Row 1	*operasikan*	
12	Transporter Row 2	*operasikan*	
13	Transporter Row 3	*operasikan*	
14	Transporter Row 4	*operasikan*	
15	Transporter Row 5	*operasikan*	
16	EPTR / CRM / DRM Chamber A	*operasikan (periksa ke lokal)*	
17	EPTR / CRM / DRM Chamber B	*operasikan (periksa ke lokal)*	
18	EP Hopper Heater	*operasikan*	
19	PGC System	*operasikan (periksa ke lokal)*	
20	Buffer Hopper	*operasikan (periksa ke lokal)*	
21	Dust Conditioner A	*operasikan (change over)*	
22	Dust Conditioner B	*operasikan (change over)*	
23	Dust Air Fan A	*operasikan (change over)*	
24	Dust Air Fan B	*operasikan (change over)*	
25	Heater Air Fan A	*operasikan (change over)*	
26	Heater Air Fan B	*operasikan (change over)*	

Suralaya 1-Mar-18

Sp.Senior LAU	Mengetahui : Sp.OPA 1-4 B	Op. Control Room OPA 1-4
IRWAN SUBANDI	AGUS SALIM	ENCE JUNAEDI

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 3
OPERATOR LOCAL ASH HANDLING

SHIFT : B
TGL : 1-Mar-18

A	E	EP. HOPPER / EP TR	J	N
5 1 6		ERM / CRM / ERM	5 1 6	
42	40	KV	42	40
80	40	AMPERE	100	30
320	140	M ampere	300	140
N	N	HOPPER LEVEL	N	N
A	E	TRANSMITTER ROW 1	J	N
REMOTE		REMOTE / LOCAL	REMOTE	REMOTE
N	N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE VENT VALVE	N	N
		P G C LINE		
B	F	EP. HOPPER / EP TR	K	P
7 1 8		ERM / CRM / ERM	7 2 8	
44	40	KV	38	44
40	80	AMPERE	80	120
140	300	M ampere	260	300
N	N	HOPPER LEVEL	N	N
B	F	TRANSMITTER ROW 1	K	P
REMOTE		REMOTE / LOCAL	REMOTE	
N	N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE VENT VALVE	N	N
		P G C LINE		
C	G	EP. HOPPER / EP TR	L	R
9 3 10		ERM / CRM / ERM	9 3 10	
38	40	KV	40	38
70	90	AMPERE	80	70
60	300	M ampere	220	220
N	N	HOPPER LEVEL	N	N
C	G	TRANSMITTER ROW 1	K	P
REMOTE		REMOTE / LOCAL	LOKAL	
N	N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	N	N
		P G C LINE		
D	H	EP. HOPPER / EP TR	M	S
11 4 12		ERM / CRM / ERM	11 45 12	
40	38	KV	38	36
90	110	AMPERE	80	70
300	200	M ampere	240	260
N	N	HOPPER LEVEL	N	N
D	H	TRANSMITTER ROW 1	M	S
REMOTE		REMOTE / LOCAL	REMOTE	
N	N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	N	N
		P G C LINE		

Catatan :
N = Normal
H = High
M = Perbaikan
A = Abnormal
B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung

ACOM	PRESSURE	TEMP	HOUR	LEVEL OIL L / N / H	AIR DRYER	Dew Point Pressure	Dew Point Temperatur
A	***6.8***	***90***	***12364***	***N***	**A**		*0.0*
B	***7.0***	***93***	***68800***		**B**		*0.1*
C	***6.5***	***87***	***146***		**C**		

Mengetahui
Sp.OPA 1-4 B

AGUS SALIM

Di Laporkan oleh :

#REF!

PELAKSANAAN PENGOPERASIAN
PERALATAN FLY ASH SYSTEM UNIT 3

NO	NAMA ALAT	Minggu Ke / Hari / Tanggal	KETERANGAN
		I - II - III - IV / 1-Mar-18	
1	Compressor A	*operasikan (periksa ke lokal)*	
2	Compressor B	*operasikan (periksa ke lokal)*	
3	Compressor C	*operasikan (periksa ke lokal)*	
4			
5	Air Dryer A	*operasikan (periksa ke lokal)*	
6	Air Dryer B	*operasikan (periksa ke lokal)*	
7	Air Dryer C	*operasikan (periksa ke lokal)*	
8			
11	Transporter Row 1	*operasikan*	
12	Transporter Row 2	*operasikan*	
13	Transporter Row 3	*operasikan*	
14	Transporter Row 4	*operasikan*	
15			
16	EPTR / CRM / DRM Chamber A	*operasikan (periksa ke lokal)*	
17	EPTR / CRM / DRM Chamber B	*operasikan (periksa ke lokal)*	
18	EP Hopper Heater	*operasikan*	
19	PGC System	*operasikan (periksa ke lokal)*	
20	Buffer Hopper	*operasikan (periksa ke lokal)*	
21	Dust Conditioner A	*operasikan (change over)*	
22	Dust Conditioner B	*operasikan (change over)*	
23	Dust Air Fan A	*operasikan (change over)*	
24	Dust Air Fan B	*operasikan (change over)*	
25	Heater Air Fan A	*operasikan (change over)*	
26	Heater Air Fan B	*operasikan (change over)*	

Mengetahui :

Sp.Senior LAU	Sp.OPA 1-4 B	Suralaya 1-Mar-18 Op. Control Room OPA 1-4
IRWAN SUBANDI	AGUS SALIM	YOGA KANTI M

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 4
OPERATOR LOCAL ASH HANDLING

SHIFT : B
TGL : 1-Mar-18

A	E	EP. HOPPER / EP TR	J	N
5 1 6		ERM / CRM / ERM	5 1 6	
44	42	KV	38	DC VOLT LOW
110	100	AMPERE	110	
400	200	M ampere	300	
N	N	HOPPER LEVEL	N	N
A	E	TRANSMITTER ROW 1	J	N
REMOTE		REMOTE / LOCAL	REMOTE	
N	N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE VENT VALVE	N	N
		P G C LINE		

B	F	EP. HOPPER / EP TR	K	P
7 1 8		ERM / CRM / ERM	7 2 8	
60	AMPERE HIGH	KV	44	SPARK
90		AMPERE	90	
120		M ampere	300	
N	N	HOPPER LEVEL	N	N
B	F	TRANSMITTER ROW 1	K	P
REMOTE		REMOTE / LOCAL	REMOTE	
N	N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE VENT VALVE	N	N
		P G C LINE		

C	G	EP. HOPPER / EP TR	L	R
9 3 10		ERM / CRM / ERM	9 3 10	
INTERNAL	42	KV	SPARK	46
	90	AMPERE		70
	300	M ampere		300
N	N	HOPPER LEVEL	N	N
C	G	TRANSMITTER ROW 1	K	P
REMOTE		REMOTE / LOCAL	LOKAL	
N	N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	N	N
		P G C LINE		

D	H	EP. HOPPER / EP TR	M	S
11 4 12		ERM / CRM / ERM	11 45 12	
38	SPARK	KV	38	32
100		AMPERE	90	100
400		M ampere	300	120
N	N	HOPPER LEVEL	N	N
D	H	TRANSMITTER ROW 1	M	S
REMOTE		REMOTE / LOCAL	REMOTE	
N	N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	N	N
		P G C LINE		

Catatan :
N = Normal
H = High
M = Perbaikan
A = Abnormal
B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung

ACOM	PRESSURE	TEMP	HOUR	LEVEL OIL L / N / H	AIR DRYER	Dew Point Pressure	Dew Point Temperatur
A	*6.7*	*91*	*25864*	*N*	A		*0.5*
B	*hose cooler bocor*			*N*	B		
C	*6.8*	*97*	*63275*	*N*	C		*0.5*

Mengetahui
Sp.OPA 1-4 B

AGUS SALIM

Di Laporkan oleh :

0-Jan-00

PELAKSANAAN PENGOPERASIAN
PERALATAN FLY ASH SYSTEM UNIT 4

NO	NAMA ALAT	Minggu Ke / Hari / Tanggal	KETERANGAN
		I - II - III - IV / 1-Mar-18	
1	Compressor A	*operasikan (periksa ke lokal)*	
2	Compressor B	*operasikan (periksa ke lokal)*	
3	Compressor C	*operasikan (periksa ke lokal)*	
4			
5	Air Dryer A	*operasikan (periksa ke lokal)*	
6	Air Dryer B	*operasikan (periksa ke lokal)*	
7	Air Dryer C	*operasikan (periksa ke lokal)*	
8			
11	Transporter Row 1	*operasikan*	
12	Transporter Row 2	*operasikan*	
13	Transporter Row 3	*operasikan*	
14	Transporter Row 4	*operasikan*	
15			
16	EPTR / CRM / DRM Chamber A	*operasikan (periksa ke lokal)*	
17	EPTR / CRM / DRM Chamber B	*operasikan (periksa ke lokal)*	
18	EP Hopper Heater	*operasikan*	
19	PGC System	*operasikan (periksa ke lokal)*	
20	Buffer Hopper	*operasikan (periksa ke lokal)*	
21	Dust Conditioner A	*operasikan (change over)*	
22	Dust Conditioner B	*operasikan (change over)*	
23	Dust Air Fan A	*operasikan (change over)*	
24	Dust Air Fan B	*operasikan (change over)*	
25	Heater Air Fan A	*operasikan (change over)*	
26	Heater Air Fan B	*operasikan (change over)*	

Mengetahui :

Sp.Senior LAU	Sp.OPA 1-4 B	Suralaya 1-Mar-18 Op. Control Room OPA 1-4
IRWAN SUBANDI	AGUS SALIM	YOGA KANTI M

INDONESIA POWER UP SURALAYA

LAPORAN HARIAN ASH HANDLING PLANT
UNIT 1 - 4

TANGGAL	1-Mar-18	JUMLAH PEGAWAI	3 (tiga) orang + 1 cogindo
SHIFT	C	TIDAK HADIR	-
DINAS	MALAM KE 1	PENGGANTI	-
JAM	22.00 - 07.00	KETERANGAN	-

KEGIATAN

TERIMA TUGAS DARI REGU B

# 1	EP Hopper High :	Acomp : ABD (STOP O/H) , C (perbaikan),
	EP TR : STOP ===> O/H	Air Dryer : 1D //
	Transporter : STOP ===> O/H	
# 2	EP Hopper High : V	Acomp : 2 AC // ,
	EP TR :FL (Internal)	Air Dryer : 2 ABC // ,
	Transporter : FLM(Abu kasar)	
# 3	EP Hopper High :	Acomp : 3ABC
	'EP TR : Normal	Air Dryer : 3 ABC
	Transporter : Normal	
# 4	EP Hopper High :	Acomp : 4AC// , B (COOLER BOCOR)
	EP TR : C (Internal), HPL Spark)	Air Dryer : 4 ABC //
	Transporter : N (Abu kasar)	

KEGIATAN

- Trans unit 2 , unit 3,4 mengarah ke Silo Beton KECUALI Trans BG EKRW unit 2 to silo kaleng
- MONITOR EPTR #1 MATI ,,,
- Mobil Conveyor , Conv 8, 7A, Conv 6, 3 Ash Crusher #2, Vib grid #2, SSC #2
- Conv 10A, 10B , 12 , 13 Ash Crusher #3,4 , Vib grid #3, 4 ,SSC #3, 4 // kontiunyu , ,
- Exhaust Fan Silo A Beton motor Short Emergency Mobil Conv motor Short
- Conv 7A,2B Belt sobek , Con 7,5,11, Carrying tidak lengkap
- SWBP 2B, dan SWBP 3B , 4B // Continue. SWBP 3A perbaikan pumpa,
- Kunci EP TR LENGKAP, smartphone, Thermogun , Radio base ,Infocus dan.KAMERA ….. ADA

23 00	• Check peralatan / cleaning chute Conv system #1, 2,4 dan DC # 1,2 serta DU Silo kaleng
	• Check bottom ash, lower chute, water level SSC #1,2 #3 normal,
	• Check dan Drain Acomp, Air Dryer, dan Reciver Tank unit 1-4.
23 30	- Flushing & // local Transporter
	- Menurunkan Abu Hopper unit 2 AF CHNU DJPV via PGC … 2V level High bisa di kosongin
	- Flushing & // local Transporter unit 3 CGLR DHMS via Transporter
	- Flushing & // local Transporter unit 4CGLR DHMS via Transporter
24 00	- Dust Conditioner unit 2B , 3B , 4B //
	- Dust Air Fan unit 2, 3, 4 // kontinyu
	- DU A // sampai kosong to Conv 7 @ 10 "
01 00	Hasil Check EP TR & Transporter

#1	EPTR :	STOP ==> O/H	Trans : STOP
#2	EPTR :	F (Internal) , L (DC Voltage low),	Trans : FLM (Abu kasar)
#3	EPTR :	Normal	Trans : Normal
#4	EPTR :	C (Internal), HPL Spark) , F (Amp High)	Trans : N (Abu kasar)

02 00	• Check peralatan / cleaning chute Conv system #1, 2,4 dan DC # 1,2
	• Check bottom ash, lower chute, water level SSC #1,2 #3,4 normal,
05 00	- Check & Flushing lokal Trans : # 1 - 4 ===> Flasing lokal Trans 2CHNU via PGC
	- DU Silo A // 30 menit to Conv 8
	- Dust Conditioner unit 2A/B, + Dust Air Fan 1, 2 //
06 00	• Check peralatan / cleaning chute Conv system #1, 2,4 dan DC # 1,2
	• Check bottom ash, lower chute, water level SSC #1,2 #3,4 normal,
	• Lower chute SSC #1-4 MANDALI (Aman Terkendali)
06 30	- Mobil Conveyor , Conv 8, 7A, Conv ,2B, 6 , 3 Ash Crusher #2 Vib grid #2 SSC # 2 // kontinyu
	- Conv 9A, 9B, 10B ,12, 14 Ash Crusher 3, 4 , Vib grid 3, 4 ,SSC 3, 4 // kontinyu
07 00	Tugas dilanjut Regu A

MAIN UNIT	UNIT 1	UNIT 2	UNIT 3	UNIT 4	TOTAL
MILL	A/B/C/D/E	A/B/C/D /E	A/B/C/D /E	A/B/C/D /E	

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 1
OPERATOR LOCAL ASH HANDLING

C
1-Mar-18

Chamber A					Chamber B				KETERANGAN
A		F		EP. Hopper / EP TR	L		S		
1	2	3	4	Rapper Motor	21	22	23	24	Catatan :
				KV					N = Normal
O/H		O/H		Ampere	O/H		O/H		H = High
				Milli Ampere					M = Perbaikan
				HOPPER LEVEL					A = Abnormal
No. 2				Dirrecting Rapper Motor	No. 8				B = Block
A		F		Transmitter Row 1	L		S		SB = Stand By
O/H		O/H		ASH INLET VALVE	O/H		O/H		LT = Level Trouble
				AIR INLET VALVE					-P = No Pressure
				ASH OUTLET VALVE					
				P G C LINE					BT = Block Tabung
B		G		EP. Hopper / EP TR	M		T		+ = Panas
5	6	7	8	Rapper Motor	25	26	27	28	- = Dingin
				KV					Blk = Block
O/H		O/H		Ampere	O/H		O/H		
				Milli Ampere					
				HOPPER LEVEL					
No. 3				Dirrecting Rapper Motor	No. 9				
B		G		Transmitter Row 2	M		T		
O/H		O/H		ASH INLET VALVE	O/H		O/H		
				AIR INLET VALVE					
				ASH OUTLET VALVE					
				P G C LINE					
C		H		EP. Hopper / EP TR	N		U		
9	10	11	12	Rapper Motor	29	30	31	32	
				KV					
O/H		O/H		Ampere	O/H		O/H		
				Milli Ampere					
				HOPPER LEVEL					
No. 4 -				Dirrecting Rapper Motor	No. 10				
C		H		Transmitter Row 3	N		U		
O/H		O/H		ASH INLET VALVE	O/H		O/H		
				AIR INLET VALVE					
				ASH OUTLET VALVE					
				P G C LINE	N		N		
D		J		EP. Hopper / EP TR	P		V		
15		16		Rapper Motor	33		34		
				KV					
O/H		O/H		Ampere	O/H		O/H		
				Milli Ampere					
N		N		HOPPER LEVEL					
No.5 Normal				Dirrecting Rapper Motor	No. 11 Normal				
D		J		Transmitter Row 4	P		V		
O/H		O/H		ASH INLET VALVE	O/H		O/H		
				AIR INLET VALVE					
				ASH OUTLET VALVE					
				P G C LINE					
E		K		EP. Hopper / EP TR	R		W		
19		20		Rapper Motor	37		38		
				KV					
O/H		O/H		Ampere	O/H		O/H		
				Milli Ampere					
				HOPPER LEVEL					
No. 6				Dirrecting Rapper Motor	No. 12				
E		K		Transmitter Row 5	R		W		
O/H		O/H		ASH INLET VALVE	O/H		O/H		
				AIR INLET VALVE					
				ASH OUTLET VALVE					
				P G C LINE					

Compressor	pressure	Tempera	Hours	Ampere (I1)	Dryer	Dew Point
A					A	
B					B	
C					C	
D					D	

Heating bank		Blower	
A		A	
B		B	

Heater (Ampere)	
1	
2	
3	
4	

Mengetahui
Sp.OPA 1-4 C

NURHASAN

Di Laporkan oleh :

EDY SUDARSO

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 2
OPERATOR LOCAL ASH HANDLING

: C
: 1-Mar-18

Chamber A				EP. Hopper / EP TR	Chamber B			
A		F			L		S	
1		2		Rapper Motor	23		24	
				KV			*26*	
		INTERNAL		Ampere	***INTERNAL***		*28*	
				Milli Ampere			*90*	
				HOPPER LEVEL				
No. 2 NORMAL				Dirrecting Rapper Motor	No. 8 NORMAL			
A		F		Transmitter Row 1	L		S	
N		*ABU KASAR*		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	*N*		*N*	
				P G C LINE				
B		G		EP. Hopper / EP TR	M		T	
5	6	7	8	Rapper Motor	25	26	27	28
30		*33*		*KV*	*25*		*31*	
46		40		*Ampere*	*25*		***72***	
200		*97*		*Milli Ampere*	***86***		*300*	
		.		HOPPER LEVEL				
No. 3 Normal				Dirrecting Rapper Motor	No. 9 Normal			
B		G		Transmitter Row 2	M		T	
N		*N*		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	*N*		*N*	
				P G C LINE				
C		H		EP. Hopper / EP TR	N		U	
11		12		Rapper Motor	29		30	
35		*39*		*KV*	*23*		*26*	
28		*58*		*Ampere*	*65*		*10*	
100		*120*		*Milli Ampere*	*150*		*27*	
				HOPPER LEVEL				
No. 4 Normal				Dirrecting Rapper Motor	No. 10 Normal			
C		H		Transmitter Row 3	N		U	
N		*N*		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	*N*		*N*	
				P G C LINE				
D		J		EP. Hopper / EP TR	P		V	
15		16		Rapper Motor	33		34	
32		*40*		*KV*	*34*		*32*	
38		*74*		*Ampere*	*68*		*68*	
99		*200*		*Milli Ampere*	*200*		*200*	
				HOPPER LEVEL				
No.5 Normal				Dirrecting Rapper Motor	No. 11 Normal			
D		J		Transmitter Row 4	P		V	
N		*N*		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	*N*		*N*	
				P G C LINE				
E		K		EP. Hopper / EP TR	R		W	
17	18	19	20	Rapper Motor	37	38	39	40
32		*42*		*KV*	*38*		*35*	
38		***31***		*Ampere*	*44*		*36*	
99		***80***		*Milli Ampere*	*120*		*74*	
				HOPPER LEVEL				
No. 6 Normal				Dirrecting Rapper Motor	No. 12 Normal			
E		K		Transmitter Row 5	R		W	
N		*N*		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	*N*		*N*	
				P G C LINE				

KETERANGAN

Catatan :
N = Normal
H = High
M = Perbaikan
A = Abnormal
B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung
+ = Panas
- = Dingin
Blk = Block

Heating bank		Blower	
A		A	
B		B	

Compressor	Pressure	Tempera	Hours	Ampere (I1)
A	*6.4*	*86*	*36905*	*62*
B	*6.2*	*83*	*17408*	*62*
C	*6.0*	*78*	*39268*	*63*
D				

Dryer	Dew Point
A	
B	
C	
D	

Heater (Ampere)	
1	
2	
3	
4	

Mengetahui
Sp.OPA 1-4 C

NURHASAN

Di Laporkan oleh :

DADAN SUNANDAR

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 3
OPERATOR LOCAL ASH HANDLING

SHIFT : C
TGL : 1-Mar-18

CHAMBER A				CHAMBER B				KETERANGAN
A		E		EP. HOPPER / EP TR	J		N	
5 N	1 N		6 N	ERM / CRM / ERM	5 N	1 N	6 N	
42		42		KV	46		40	
80		44		AMPERE	98		58	
302		163		M ampere	301		149	
				HOPPER LEVEL				
A		E		TRANSMITTER ROW 1	J		N	
				REMOTE / LOCAL				
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE VENT VALVE	N		N	
N		N		P G C LINE	N		N	
B		F		EP. HOPPER / EP TR	K		P	
7 N	2 N		8 N	ERM / CRM / ERM	7 N	2 N	8 N	
44		41		KV	39		42	
120		82		AMPERE	81		141	
144		300		M ampere	279		302	
				HOPPER LEVEL				
B		F		TRANSMITTER ROW 2	K		P	
				REMOTE / LOCAL				
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE VENT VALVE	N		N	
N		N		P G C LINE	N		N	
C		G		EP. HOPPER / EP TR	L		R	
9 N	3 N		10 N	ERM / CRM / ERM	9 N	3 N	10 N	
39		41		KV	40		38	
30		116		AMPERE	75		76	
79		297		M ampere	250		225	
				HOPPER LEVEL				
C		G		TRANSMITTER ROW 3	L		R	
				REMOTE / LOCAL				
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N	
D		H		EP. HOPPER / EP TR	M		S	
11 N	4 N		12 N	ERM / CRM / ERM	11 N	4 N	12 N	
41		39		KV	38		36	
93		50		AMPERE	86		78	
297		185		M ampere	250		249	
				HOPPER LEVEL				
D		H		TRANSMITTER ROW 4	M		S	
				REMOTE / LOCAL				
N		N		ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	N		N	

Catatan :
N = Normal
H = High
M = Perbaikan
A = Abnormal
B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung

ACOM	PRESSURE	TEMP	HOUR	LEVEL OIL L / N / H	AIR DRYER	Dew Point Pressure	Dew Point Temperatur
A	7.0	88	12359		A	0	0.0
B	6.5	83	68797		B	0	0.1
C	6.5	78	151		C	0	

Mengetahui
Sp.OPA 1-4 C

NURHASAN

Di Laporkan oleh :

HAFIYUN

INDONESIA POWER UP SURALAYA

CHEKLIST EP - TR, EP HOPPER & TRANSMITTER # 4
OPERATOR LOCAL ASH HANDLING

: C
: 1-Mar-18

CHAMBER A				CHAMBER B				KETERANGAN
A		E	EP. HOPPER / EP TR	J		N		
5 N	1 N	6 N	ERM / CRM / ERM	5 N	1 N	6 N		
55		44	KV	42				
110		100	AMPERE	110		INTERNAL		
400		200	M ampere	300				
			HOPPER LEVEL					
A		E	TRANSMITTER ROW 1	J		N		
			REMOTE / LOCAL					
N		N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE VENT VALVE	N		N		
N		N	P G C LINE					
B		F	EP. HOPPER / EP TR	K		P		
7 N	2 N	8 N	ERM / CRM / ERM	7 N	2 N	8 N		
56			KV	52				
100		AMP HIGH	AMPERE	90		SPARK		
120			M ampere	300				
			HOPPER LEVEL					
B		F	TRANSMITTER ROW 2	K		P		
			REMOTE / LOCAL					
N		N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE VENT VALVE	N		N		
			P G C LINE					
C		G	EP. HOPPER / EP TR	L		R		
9 N	3 N	10 N	ERM / CRM / ERM	9 N	3 N	10 N		
	46		KV			46		
INTERNAL	90		AMPERE	SPARK		80		
	300		M ampere			300		
			HOPPER LEVEL					
C		G	TRANSMITTER ROW 3	L		R		
			REMOTE / LOCAL					
N		N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE P G C LINE	N		N		
D		H	EP. HOPPER / EP TR	M		S		
11 N	4 N	12 N	ERM / CRM / ERM	11 N	4 N	12 N		
38			KV	46		30		
100		SPARK	AMPERE	100		100		
400			M ampere	400		120		
			HOPPER LEVEL					
		H	TRANSMITTER ROW 4	M		S		
			REMOTE / LOCAL					
N		N	ASH INLET VALVE AIR INLET VALVE ASH OUTLET VALVE	N		N		

Catatan :
N = Normal
H = High
M = Perbaikan
A = Abnormal
B = Block
SB = Stand By
LT = Level Trouble
-P = No Pressure
-T = Block Line.
BT = Block Tabung

ACOM	PRESSURE	TEMP	HOUR	LEVEL OIL L / N / H	AIR DRYER	Dew Point Pressure	Dew Point Temperatur
A	6.8	95	25867		A		0.5
B					B		-
C	6.8	91	63279		C		0.4

Mengetahui
Sp.OPA 1-4 C

NURHASAN

Di Laporkan oleh :

DADAN SUNANDAR

INDONESIA POWER UP SURALAYA

LEMBARAN TINDAK LANJUT/ MEETING PERGANTIAN SHIFT ASH HANDLING # 1-7	No. Dokumen	FM-SLA-136
	Tanggal	1-Feb-05
	Revisi	0
Tanggal : 1-Mar-18	Halaman	1 dari 2 halar

Supervisor Shift Pagi

NO	Gambaran Situasi/Masalah	Tindakan Yang Dilakukan	Status	Pelaksana	Ren
1	*EP TR #1B, #4CN (INTERNAL) PHI*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
2	*EP TR : #1F (Undervoltage), #2FL (I*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
3	*DRM #2 DRM 3 & 9 Overload*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
4	*RM #2 no 20,28,Internal , 25 poros ra*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
5	*RM # 4A6,7,9,12 ,B8,9,12 Isolator Pe*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
6	*RM # 2 no 18, RM #1 no 2&7 Isolator*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
7	*Conv Mobil Emergency Motor Sho*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
8	*Trans 1F,2FLM (Abu Kasar)*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
9					
10					
11					

ARJUNAEDI AGUS SALIM

Supervisor Shift Siang

NO	Gambaran Situasi/Masalah	Tindakan Yang Dilakukan	Status	Pelaksana	Ren
1	*EP TR #1B, #4CN (INTERNAL) PHI*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
2	*EP TR : #1F (Undervoltage), #2FL (I*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
3	*DRM #2 DRM 3 & 9 Overload*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
4	*RM #2 no 20,28,Internal , 25 poros ra*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
5	*RM # 4A6,7,9,12 ,B8,9,12 Isolator Pe*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
6	*RM # 2 no 18, RM #1 no 2&7 Isolator*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
7	*Conv Mobil Emergency Motor Sho*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
8	*Trans 1F,2FLM (Abu Kasar)*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
9					
10					
11					

AGUS SALIM NURHASAN

Supervisor Shift Malam

NO	Gambaran Situasi/Masalah	Tindakan Yang Dilakukan	Status	Pelaksana	Ren
1	*EP TR #1B, #4CN (INTERNAL) PH*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
2	*EP TR : #1F (Undervoltage), #2FL (I*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
3	*DRM #2 DRM 3 & 9 Overload*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
4	*RM #2 no 20,28,Internal , 25 poros ra*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
5	*RM # 4A6,7,9,12 ,B8,9,12 Isolator Pe*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
6	*RM # 2 no 18, RM #1 no 2&7 Isolator*	*SR & TAGGING*	*F*	*Mtc. Listrik*	
7	*Conv Mobil Emergency Motor Sho*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
8	*Trans 2FLM ,4N (Abu Kasar)*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
9	*Conv 2B , 7A Belt Sobek*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
10	*ACOM 4B Cooler Bocor*	*SR & TAGGING*	*F*	*Mtc. Mekanik*	
11					

Yang Menyerahkan : Yang Menerim

Status
P = Perhatian
F = Tindak lanjut
IP = In Progress
ND = Not Done Yet
S = Selesai

NURHASAN

ARJUNAEDI

INDONESIA POWER
UP SURALAYA

Lembar Keterangan

Shift Pagi

Shift Siang

Shift Malam

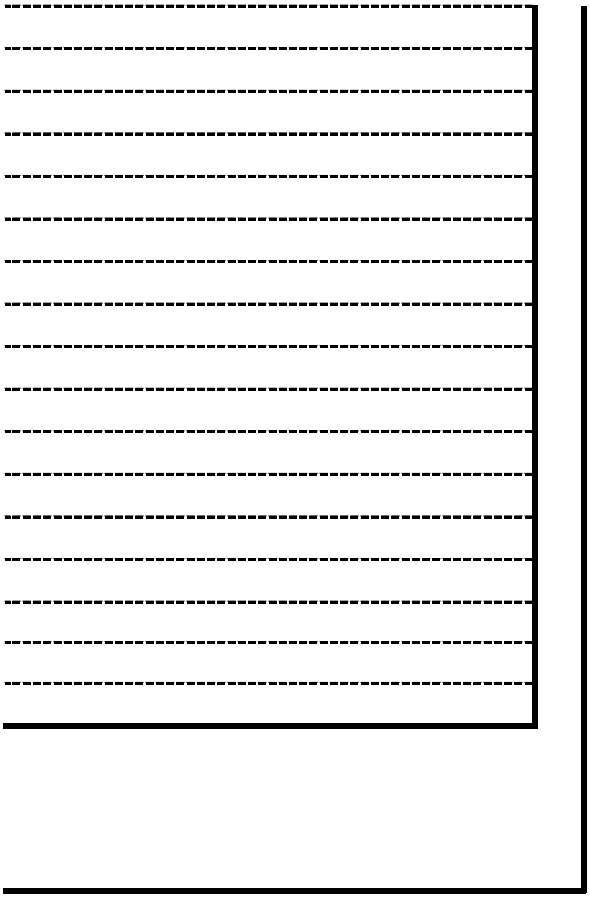
nan

Tanggal		
can	Selesai	TTD

Tanggal		
can	Selesai	TTD

Tanggal		
cana	Selesai	TTD

a :



INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN CONVEYOR ASH SYSTEM
ASH HANDLING UNIT 1 - 4

TANGGAL	1-Mar-18	UNIT
SHIFT /DINAS	A PAGI KE 1	JAM

NO	NAMA ALAT	KONDISI I	KONDISI II	KONDISI III	NO	NAMA AL
1	Transfer Mobile Conveyor	STOP	STOP	STOP	5	CONVEYOR 8
	Motor Penggerak / gearbox	RUSAK	RUSAK	RUSAK		Motor Pengger
	Fluide coupling	RUSAK	RUSAK	RUSAK		Pulley-pulley
						Return idler &
2	Mobile Conveyor	RUN	RUN	RUN		Carring Idler &
	Motor Penggerak / gearbox	N	N	N		Stering & Supp
	Pulley-pulley	N	N	N		Imfact Idler &
	Return idler & Support	N	N	N		Belt
	Carring Idler & Support	N	N	N		Speed sw./Trip
	Stering & Support	N	N	N		Scrapper/Skirt
	Imfact Idler & Support	N	N	N		Fluide coupling
	Belt	N	N	N		Diverter
	Speed sw./Trip wire/Warning	N	N	N		Take up / Cou
	Scrapper/Skirt Rubber	N	N	N		
	Fluide coupling	N	N	N		
	Diverter					
	Take up / Counter Weigh	N	N	N		
3	Emergency Mobile Conveyor	STOP	STOP	STOP	6	CONVEYOR 7A
	Motor Penggerak / gearbox	MOTOR SHORT				Motor Pengger
	Pulley-pulley	SB	SB	SB		Pulley-pulley
	Return idler & Support	SB	SB	SB		Return idler &
	Carring Idler & Support	SB	SB	SB		Carring Idler &
	Stering & Support	SB	SB	SB		Stering & Supp
	Imfact Idler & Support	SB	SB	SB		Imfact Idler &
	Belt	SB	SB	SB		Belt
	Speed sw./Trip wire/Warning	SB	SB	SB		Speed sw./Trip
	Scrapper/Skirt Rubber	SB	SB	SB		Scrapper/Skirt
	Fluide coupling	SB	SB	SB		Fluide coupling
	Diverter					Diverter
	Take up / Counter Weigh	SB	SB	SB		Take up / Cou
4	CONVEYOR 7	STOP	STOP	STOP	7	CONVEYOR 8A
	Motor Penggerak / gearbox	SB	SB	SB		Motor Pengger

	Pulley-pulley	*SB*	*SB*	*SB*		*Pulley-pulley*
	Return idler & Support	*SB*	*SB*	*SB*		*Return idler &*
	Carring Idler & Support	*SB*	*SB*	*SB*		*Carring Idler &*
	Stering & Support	*SB*	*SB*	*SB*		*Stering & Supp*
	Imfact Idler & Support	*SB*	*SB*	*SB*		*Imfact Idler &*
	Belt	*SB*	*SB*	*SB*		*Belt*
	Speed sw./Trip wire/Warning	*SB*	*SB*	*SB*		*Speed sw./Trip*
	Scrapper/Skirt Rubber	*SB*	*SB*	*SB*		*Scrapper/Skirt*
	Fluide coupling	*SB*	*SB*	*SB*		*Fluide coupling*
	Diverter	*TO mobile conv*				*Diverter*
	Take up / Counter Weigh	*SB*	*SB*	*SB*		*Take up / Cou*
		OVER HOULE				

Mengetahui :

SpSenior LAU Sp.OPA 1-4 A

IRWAN SUBANDI ARJUNAEDI

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGOPERASIAN
COMMON SYSTEM
UNIT 1-4

NO	NAMA ALAT	Minggu Ke : / Hari / TGL :	I / II / III / IV / 1-Mar-18	
1	Transfer Mobile Conveyor		STOP	Peralatan S
2	Mobile Conveyor		OPERASI	
3	Emergency Mobile Conveyor		STAND BY	
4	CONVEYOR 7		OPERASI	Diverter ke
5	CONVEYOR 8		STOP	Carring Kos
6	CONVEYOR 7A		STOP	Belt Bolong
7	CONVEYOR 8A		OPERASI	

Mengetahui :

SpSenior LAU Sp.OPA 1-4 A

1 - 4			
07'00 - 15'00			
LAT	KONDISI		
	I	II	III
ak / gearbox	N	N	N
	N	N	N
Support	N	N	N
Support	N	N	N
ort	N	N	N
Support	N	N	N
	N	N	N
wire/Warning	N	N	N
Rubber	N	N	N
r	N	N	N
	TOMOBIL CONV		
nter Weigh	N	N	N
	RUN	RUN	RUN
ak / gearbox	N	N	N
	N	N	N
Support	N	N	N
Support	N	N	N
ort	N	N	N
Support	N	N	N
	N	N	N
wire/Warning	N	N	N
Rubber	N	N	N
r	N	N	N
	TO CONV 7		
nter Weigh	N	N	N
	STOP	STOP	STOP
ak / gearbox	SB	SB	SB

TANGGAL	
SHIFT /DINAS	
NO	NAMA ALAT
1	Transfer Mobile Conveyor
	Motor Penggerak / gearbo
	Fluide coupling
2	Mobile Conveyor
	Motor Penggerak / gearbo
	Pulley-pulley
	Return idler & Support
	Carring Idler & Support
	Stering & Support
	Imfact Idler & Support
	Belt
	Speed sw./Trip wire/Warn
	Scrapper/Skirt Rubber
	Fluide coupling
	Diverter
	Take up / Counter Weigh
3	Emergency Mobile Conveyor
	Motor Penggerak / gearbo
	Pulley-pulley
	Return idler & Support
	Carring Idler & Support
	Stering & Support
	Imfact Idler & Support
	Belt
	Speed sw./Trip wire/Warn
	Scrapper/Skirt Rubber
	Fluide coupling
	Diverter
	Take up / Counter Weigh
4	CONVEYOR 7
	Motor Penggerak / gearbo

	SB	SB	SB
Support	SB	SB	SB
Support	SB	SB	SB
ort	SB	SB	SB
Support	SB	SB	SB
	SB	SB	SB
wire/Warning	SB	SB	SB
Rubber	SB	SB	SB
	SB	SB	SB
	TO CONV 7		
nter Weigh	SB	SB	SB

OPERATOR LOKAL

SUKARDJO

	Pulley-pulley
	Return idler & Support
	Carring Idler & Support
	Stering & Support
	Imfact Idler & Support
	Belt
	Speed sw./Trip wire/Warn
	Scrapper/Skirt Rubber
	Fluide coupling
	Diverter
	Take up / Counter Weigh

SpSeni

IRWAN S

KETERANGAN
udah rusak
Mobile Conveyor
ong

OPERATOR LOKAL

INDONESIA POWER UP SURALAYA

NO	NAMA ALAT
1	Transfer Mobile Conveyor
2	Mobile Conveyor
3	Emergency Mobile Conveyor
4	CONVEYOR 7
5	CONVEYOR 8
6	CONVEYOR 7A
7	CONVEYOR 8A

SpSenior LAU

MUHLISAN

IRW

CHECK LIST PERALATAN CONVEYOR ASH SYSTEM
ASH HANDLING UNIT 1 - 4

1-Mar-18				UNIT	
B	SIANG KE 1			JAM	
	KONDISI			NO	NAMA ALAT
	I	II	III		
	STOP	STOP	STOP	5	CONVEYOR 8
x	RUSAK	RUSAK	RUSAK		Motor Penggerak / gearbox
	RUSAK	RUSAK	RUSAK		Pulley-pulley
					Return idler & Support
	RUN	RUN	RUN		Carring Idler & Support
x	N	N	N		Stering & Support
	N	N	N		Imfact Idler & Support
	N	N	N		Belt
	N	N	N		Speed sw./Trip wire/Warning Hor
	N	N	N		Scrapper/Skirt Rubber
	N	N	N		Fluide coupling
	N	N	N		Diverter
ing Horn	N	N	N		Take up / Counter Weigh
	N	N	N		
	N	N	N		
	N	N	N		
	STOP	STOP	STOP	6	CONVEYOR 7A
x	MOTOR SHORT				Motor Penggerak / gearbox
	SB	SB	SB		Pulley-pulley
	SB	SB	SB		Return idler & Support
	SB	SB	SB		Carring Idler & Support
	SB	SB	SB		Stering & Support
	SB	SB	SB		Imfact Idler & Support
	SB	SB	SB		Belt
ing Horn	SB	SB	SB		Speed sw./Trip wire/Warning Hor
	SB	SB	SB		Scrapper/Skirt Rubber
	SB	SB	SB		Fluide coupling
					Diverter
	SB	SB	SB		Take up / Counter Weigh
	STOP	STOP	STOP	7	CONVEYOR 8A
x	SB	SB	SB		Motor Penggerak / gearbox

	SB	SB	SB		Pulley-pulley
	SB	SB	SB		Return idler & Support
	SB	SB	SB		Carring Idler & Support
	SB	SB	SB		Stering & Support
	SB	SB	SB		Imfact Idler & Support
	SB	SB	SB		Belt
uing Horn	SB	SB	SB		Speed sw./Trip wire/Warning Hor
	SB	SB	SB		Scrapper/Skirt Rubber
	SB	SB	SB		Fluide coupling
	TO mobile conv				Diverter
	SB	SB	SB		Take up / Counter Weigh
	OVER HOULE				

Mengetahui :

ior LAU Sp.OPA 1-4 B

SUBANDI AGUS SALIM

PELAKSANAAN PENGOPERASIAN
COMMON SYSTEM
UNIT 1-4

	Minggu Ke :	I / II / III / IV	KE
	Hari / TGL :	1-Mar-18	
		STOP	Peralatan Sudah rusak
		OPERASI	
		STAND BY	
		OPERASI	Diverter ke Mobile Conveyor
		STOP	Carring Kosong
		STOP	Belt Bolong
		OPERASI	

Mengetahui :

Sp.OPA 1-4 B

	1 - 4		
	15'00 - 22'00		
	KONDISI		
	I	II	III
	N	N	N
	N	N	N
	N	N	N
	N	N	N
	N	N	N
	N	N	N
	N	N	N
n	N	N	N
	N	N	N
	N	N	N
	TOMOBIL CONV		
	N	N	N
	RUN	RUN	RUN
	N	N	N
	N	N	N
	N	N	N
	N	N	N
	N	N	N
	N	N	N
	N	N	N
n	N	N	N
	N	N	N
	N	N	N
	TO CONV 7		
	N	N	N
	STOP	STOP	STOP
	SB	SB	SB

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATA
ASH HAND

TANGGAL	1-Mar-1
SHIFT /DINAS	C

NO	NAMA ALAT	I
1	Transfer Mobile Conveyor	STOP
	Motor Penggerak / gearbox	RUSAK
	Fluide coupling	RUSAK
2	Mobile Conveyor	RUN
	Motor Penggerak / gearbox	N
	Pulley-pulley	N
	Return idler & Support	N
	Carring Idler & Support	N
	Stering & Support	N
	Imfact Idler & Support	N
	Belt	N
	Speed sw./Trip wire/Warning	N
	Scrapper/Skirt Rubber	N
	Fluide coupling	N
	Diverter	
	Take up / Counter Weigh	N
3	Emergency Mobile Conveyor	STOP
	Motor Penggerak / gearbox	MO
	Pulley-pulley	SB
	Return idler & Support	SB
	Carring Idler & Support	SB
	Stering & Support	SB
	Imfact Idler & Support	SB
	Belt	SB
	Speed sw./Trip wire/Warning	SB
	Scrapper/Skirt Rubber	SB
	Fluide coupling	SB
	Diverter	
	Take up / Counter Weigh	SB
4	CONVEYOR 7	STOP
	Motor Penggerak / gearbox	SB

	SB	SB	SB
	SB	SB	SB
	SB	SB	SB
	SB	SB	SB
	SB	SB	SB
	SB	SB	SB
n	SB	SB	SB
	SB	SB	SB
	SB	SB	SB
	TO CONV 7		
	SB	SB	SB

OPERATOR LOKAL

YOGA KANTI M

	Pulley-pulley	SB
	Return idler & Support	SB
	Carring Idler & Support	SB
	Stering & Support	SB
	Imfact Idler & Support	SB
	Belt	SB
	Speed sw./Trip wire/Warning	SB
	Scrapper/Skirt Rubber	SB
	Fluide coupling	SB
	Diverter	TO
	Take up / Counter Weigh	SB
		O

Mengeta

SpSenior LAU

IRWAN SUBANDI

ETERANGAN
r

OPERATOR LOKAL

INDONESIA POWER UP SURALAYA

PELAKSANAAN
COMM
UI

NO	NAMA ALAT	Minggu Ke : / Hari / TGL :	
1	Transfer Mobile Conveyor		STOP
2	Mobile Conveyor		OPER
3	Emergency Mobile Conveyor		STAN
4	CONVEYOR 7		OPER
5	CONVEYOR 8		STOP
6	CONVEYOR 7A		STOP
7	CONVEYOR 8A		OPER

Mengetahui :

SpSenior LAU

ENCE JUNAEDI

IRWAN SUBANDI

N CONVEYOR ASH SYSTEM
LING UNIT 1 - 4

8		UNIT		1 - 4		
MALAM KE 1		JAM		22'00 - 07'00		
KONDISI		NO	NAMA ALAT	KONDISI		
II	III			I	II	III
STOP	STOP	5	CONVEYOR 8			
RUSAK	RUSAK		Motor Penggerak / gearbox	N	N	N
RUSAK	RUSAK		Pulley-pulley	N	N	N
			Return idler & Support	N	N	N
RUN	RUN		Carring Idler & Support	N	N	N
N	N		Stering & Support	N	N	N
N	N		Imfact Idler & Support	N	N	N
N	N		Belt	N	N	N
N	N		Speed sw./Trip wire/Warning	N	N	N
N	N		Scrapper/Skirt Rubber	N	N	N
N	N		Fluide coupling	N	N	N
N	N		Diverter	TOMOBIL CONV		
N	N		Take up / Counter Weigh	N	N	N
N	N					
N	N					
N	N					
STOP	STOP	6	CONVEYOR 7A	RUN	RUN	RUN
TOR SHORT			Motor Penggerak / gearbox	N	N	N
SB	SB		Pulley-pulley	N	N	N
SB	SB		Return idler & Support	N	N	N
SB	SB		Carring Idler & Support	N	N	N
SB	SB		Stering & Support	N	N	N
SB	SB		Imfact Idler & Support	N	N	N
SB	SB		Belt	N	N	N
SB	SB		Speed sw./Trip wire/Warning	N	N	N
SB	SB		Scrapper/Skirt Rubber	N	N	N
SB	SB		Fluide coupling	N	N	N
			Diverter	TO CONV 7		
SB	SB		Take up / Counter Weigh	N	N	N
STOP	STOP	7	CONVEYOR 8A	STOP	STOP	STOP
SB	SB		Motor Penggerak / gearbox	SB	SB	SB

SB	*SB*		*Pulley-pulley*	*SB*	*SB*	*SB*
SB	*SB*		*Return idler & Support*	*SB*	*SB*	*SB*
SB	*SB*		*Carring Idler & Support*	*SB*	*SB*	*SB*
SB	*SB*		*Stering & Support*	*SB*	*SB*	*SB*
SB	*SB*		*Imfact Idler & Support*	*SB*	*SB*	*SB*
SB	*SB*		*Belt*	*SB*	*SB*	*SB*
SB	*SB*		*Speed sw./Trip wire/Warning*	*SB*	*SB*	*SB*
SB	*SB*		*Scrapper/Skirt Rubber*	*SB*	*SB*	*SB*
SB	*SB*		*Fluide coupling*	*SB*	*SB*	*SB*
mobile conv			*Diverter*	*TO CONV 7*		
SB	*SB*		*Take up / Counter Weigh*	*SB*	*SB*	*SB*
VER HOULE						

hui :

OPERATOR LOKAL

Sp.OPA 1-4 C

NURHASAN

DADAN SUNANDAR

N PENGOPERASIAN
ON SYSTEM
NIT 1-4

I / II / III / IV 1-Mar-18	KETERANGAN
ɔ	Peralatan Sudah rusak
RASI	
ND BY	
RASI	Diverter ke Mobile Conveyor
ɔ	Carring Kosong
ɔ	Belt Bolong
RASI	

OPERATOR LOKAL

Sp.OPA 1-4 C

NURHASAN HAFIYUN

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN : POWER SUPPLY
ASH HANDLING UNIT 1-4

TANGGAL	1-Mar-18	UNIT	1 / 2 / 3 / 4 & SILO A / B
SHIFT / DINAS	A PAGI KE 1	JAM	07'00 - 15'00

NO	NAMA ALAT	KONDISI			KET.
		I	II	III	
I	POWER SUPPLY # 1				
1	INCOMING FROM 6 KV/380 V A	CLOSE	CLOSE	CLOSE	
2	BUS TIE FEEDER 380 V # 1-2	CLOSE	CLOSE	CLOSE	
3	FEEDER TO MCC A	CLOSE	CLOSE	CLOSE	
II	POWER SUPPLY # 2				
1	INCOMING FROM 6 KV/380 V B	OPEN	OPEN	OPEN	
2	FEEDER TO MCC B	CLOSE	CLOSE	CLOSE	
III	POWER SUPPLY # 3				
1	INCOMING FROM 6 KV/380 V C	OPEN	OPEN	OPEN	
2	BUS TIE FEEDER 380 V # 3-4	ON	ON	ON	
3	FEEDER TO LVS C	ON	ON	ON	
4	FEEDER TO MCC C	ON	ON	ON	
IV	POWER SUPPLY # 4				
1	INCOMING FROM 6 KV/380 V D	CLOSE	CLOSE	CLOSE	
2	FEEDER TO LVS D	ON	ON	ON	
3	FEEDER TO MCC D	ON	ON	ON	
V	POWER SUPPLY COMMOND AS				
1	FEEDER TO MCC DEPAC # 3-4	ON	ON	ON	
2	FEEDER TO MCC COMMOND #3	ON	ON	ON	
3	FEEDER TO MCC CONVEYOR 7B	OPEN	OPEN	OPEN	
4	INCOMING FROM 6KV / 380 V A	OPEN	OPEN	OPEN	
5	INCOMING FROM 6KV / 380 V B	OPEN	OPEN	OPEN	
6	FEEDER TO MCC COMMOND AS	ON	ON	ON	
VI	POWER SUPPLAY EP UNIT 1				
1	INCOMING A 380V TO MCC EP 1	CLOSE	CLOSE	CLOSE	
2	FEEDER MCC EP 1A	ON	ON	ON	
3	INCOMING B 380 V TO MCC EP 1	ON	ON	ON	
4	FEEDER MCC EP 1B	ON	ON	ON	
VIII	POWER SUPPLAY EP UNIT 2				
1	INCOMING A 380V TO MCC EP 2	CLOSE	CLOSE	CLOSE	
2	FEEDER MCC EP 2A	ON	ON	ON	
3	INCOMING B 380 V TO MCC EP 2	CLOSE	CLOSE	CLOSE	
4	FEEDER MCC EP 2B	ON	ON	ON	
VIII	POWER SUPPLAY EP UNIT 3				
1	INCOMING A 380V TO MCC EP 3	CLOSE	CLOSE	CLOSE	
2	FEEDER MCC EP 3A	ON	ON	ON	

3	*INCOMING B 380 V TO MCC EP 3*	*CLOSE*	*CLOSE*	*CLOSE*
4	*FEEDER MCC EP 3B*	*ON*	*ON*	*ON*
IX	*POWER SUPPLAY EP UNIT 4*			
1	*INCOMING A 380V TO MCC EP 4*	*CLOSE*	*CLOSE*	*CLOSE*
2	*FEEDER MCC EP 4A*	*ON*	*ON*	*ON*
3	*INCOMING B 380 V TO MCC EP 4*	*CLOSE*	*CLOSE*	*CLOSE*
4	*FEEDER MCC EP 4B*	*CLOSE*	*CLOSE*	*CLOSE*

Mengetahui :		Dilaporkan :
Sp Senior LAU	Sp.OPA 1-4 A	Operator Control Panel
IRWAN SUBANDI	ARJUNAEDI	SUKARDJO

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGOPERASIAN POWER SUPPLY
ASH HANDLING UNIT 1-4
PAGI KE 1

NO	NAMA ALAT	MINGGU KE	I / II / III / IV	KETERANGAN
		HARI / TGL	1-Mar-18	
I	POWER SUPPLY # 1			
1	INCOMING FROM 6 KV/380 V A	operasikan / standby		
2	BUS TIE FEEDER 380 V # 1-2	operasikan / standby		
3	FEEDER TO MCC A	operasikan / test // lokal		
II	POWER SUPPLY # 2			
1	INCOMING FROM 6 KV/380 V B	operasikan / standby		
2	FEEDER TO MCC B	operasikan / test // lokal		
III	POWER SUPPLY # 3			
1	INCOMING FROM 6 KV/380 V C	operasikan / standby		
2	BUS TIE FEEDER 380 V # 3-4	operasikan / standby		
3	FEEDER TO LVS C	operasikan / test // lokal		
4	FEEDER TO MCC C	operasikan / test // lokal		
IV	POWER SUPPLY # 4			
1	INCOMING FROM 6 KV/380 V D	operasikan / standby		
2	FEEDER TO LVS D	operasikan / standby		
3	FEEDER TO MCC D	operasikan / test // lokal		
V	POWER SUPPLY COMMOND ASH			
1	FEEDER TO MCC DEPAC # 3-4	operasikan / test // lokal		
2	FEEDER TO MCC COMMOND #3-4	operasikan / test // lokal		
3	FEEDER TO MCC CONVEYOR 7B/8B	operasikan / test // lokal		
VI	POWER SUPPLAY EP UNIT 1			
1	INCOMING A 380V TO MCC EP 1A	operasikan / standby		

2	FEEDER MCC EP 1A	operasikan / test // lokal	
3	INCOMING B 380 V TO MCC EP 1B	operasikan / standby	
4	FEEDER MCC EP 1B	operasikan / test // lokal	
VIII	POWER SUPPLAY EP UNIT 2		
1	INCOMING A 380V TO MCC EP 2A	operasikan / standby	
2	FEEDER MCC EP 2A	operasikan / test // lokal	
3	INCOMING B 380 V TO MCC EP 2B	operasikan / standby	
4	FEEDER MCC EP 2B	operasikan / test // lokal	
VIII	POWER SUPPLAY EP UNIT 3		
1	INCOMING A 380V TO MCC EP 3A	operasikan / standby	
2	FEEDER MCC EP 3A	operasikan / test // lokal	
3	INCOMING B 380 V TO MCC EP 3B	operasikan / standby	
4	FEEDER MCC EP 3B	operasikan / test // lokal	
IX	POWER SUPPLAY EP UNIT 4		
1	INCOMING A 380V TO MCC EP 4A	operasikan / standby	
2	FEEDER MCC EP 4A	operasikan / test // lokal	
3	INCOMING B 380 V TO MCC EP 4B	operasikan / standby	
4	FEEDER MCC EP 4B	operasikan / test // lokal	

Mengetahui : Dilaporkan :

Sp Senior LAU Sp.OPA 1-4 A Operator Control Panel

IRWAN SUBANDI ARJUNAEDI SUKARDJO

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN : POWER SUPPLY
ASH HANDLING UNIT 1-4

TANGGAL	1-Mar-18	UNIT	1 / 2
SHIFT / DINAS	B SIANG KE 1	JAM	

NO	NAMA ALAT	KONDISI		
		I	II	III
I	POWER SUPPLY # 1			
1	INCOMING FROM 6 KV/380 V A	CLOSE	CLOSE	CLOSE
2	BUS TIE FEEDER 380 V # 1-2	CLOSE	CLOSE	CLOSE
3	FEEDER TO MCC A	CLOSE	CLOSE	CLOSE
II	POWER SUPPLY # 2			
1	INCOMING FROM 6 KV/380 V B	OPEN	OPEN	OPEN
2	FEEDER TO MCC B	CLOSE	CLOSE	CLOSE
III	POWER SUPPLY # 3			
1	INCOMING FROM 6 KV/380 V C	OPEN	OPEN	OPEN
2	BUS TIE FEEDER 380 V # 3-4	ON	ON	ON
3	FEEDER TO LVS C	ON	ON	ON
4	FEEDER TO MCC C	ON	ON	ON
IV	POWER SUPPLY # 4			
1	INCOMING FROM 6 KV/380 V D	CLOSE	CLOSE	CLOSE
2	FEEDER TO LVS D	ON	ON	ON
3	FEEDER TO MCC D	ON	ON	ON
V	POWER SUPPLY COMMOND AS			
1	FEEDER TO MCC DEPAC # 3-4	ON	ON	ON
2	FEEDER TO MCC COMMOND #3	ON	ON	ON
3	FEEDER TO MCC CONVEYOR 7B	OPEN	OPEN	OPEN
4	INCOMING FROM 6KV / 380 V A	OPEN	OPEN	OPEN
5	INCOMING FROM 6KV / 380 V B	OPEN	OPEN	OPEN
6	FEEDER TO MCC COMMOND AS	ON	ON	ON
VI	POWER SUPPLAY EP UNIT 1			
1	INCOMING A 380V TO MCC EP 1	CLOSE	CLOSE	CLOSE
2	FEEDER MCC EP 1A	ON	ON	ON
3	INCOMING B 380 V TO MCC EP 1	ON	ON	ON
4	FEEDER MCC EP 1B	ON	ON	ON
VIII	POWER SUPPLAY EP UNIT 2			
1	INCOMING A 380V TO MCC EP 2	CLOSE	CLOSE	CLOSE
2	FEEDER MCC EP 2A	ON	ON	ON
3	INCOMING B 380 V TO MCC EP 2	CLOSE	CLOSE	CLOSE
4	FEEDER MCC EP 2B	ON	ON	ON
VIII	POWER SUPPLAY EP UNIT 3			
1	INCOMING A 380V TO MCC EP 3	CLOSE	CLOSE	CLOSE
2	FEEDER MCC EP 3A	ON	ON	ON

3	*INCOMING B 380 V TO MCC EP 3*	*CLOSE*	*CLOSE*	*CLOSE*
4	*FEEDER MCC EP 3B*	*ON*	*ON*	*ON*
IX	*POWER SUPPLAY EP UNIT 4*			
1	*INCOMING A 380V TO MCC EP 4*	*CLOSE*	*CLOSE*	*CLOSE*
2	*FEEDER MCC EP 4A*	*ON*	*ON*	*ON*
3	*INCOMING B 380 V TO MCC EP 4*	*CLOSE*	*CLOSE*	*CLOSE*
4	*FEEDER MCC EP 4B*	*CLOSE*	*CLOSE*	*CLOSE*

Mengetahui : Dilaporkan

Sp Senior LAU	Sp.OPA 1-4 B	Operator Control
IRWAN SUBANDI	AGUS SALIM	ENCE JUNAE

INDONESIA POWER UP SURALAYA

'ELAKSANAAN PENGOPERASIAN POWER SUPPLY
ASH HANDLING UNIT 1-4
SIANG KE 1

NO	NAMA ALAT	MINGGU KE	I / II / III / IV
		HARI / TGL	1-Mar-18
I	POWER SUPPLY # 1		
1	INCOMING FROM 6 KV/380 V A	operasikan / standby	
2	BUS TIE FEEDER 380 V # 1-2	operasikan / standby	
3	FEEDER TO MCC A	operasikan / test // lokal	
II	POWER SUPPLY # 2		
1	INCOMING FROM 6 KV/380 V B	operasikan / standby	
2	FEEDER TO MCC B	operasikan / test // lokal	
III	POWER SUPPLY # 3		
1	INCOMING FROM 6 KV/380 V C	operasikan / standby	
2	BUS TIE FEEDER 380 V # 3-4	operasikan / standby	
3	FEEDER TO LVS C	operasikan / test // lokal	
4	FEEDER TO MCC C	operasikan / test // lokal	
IV	POWER SUPPLY # 4		
1	INCOMING FROM 6 KV/380 V D	operasikan / standby	
2	FEEDER TO LVS D	operasikan / standby	
3	FEEDER TO MCC D	operasikan / test // lokal	
V	POWER SUPPLY COMMOND ASH		
1	FEEDER TO MCC DEPAC # 3-4	operasikan / test // lokal	
2	FEEDER TO MCC COMMOND #3-4	operasikan / test // lokal	
3	FEEDER TO MCC CONVEYOR 7B/8B	operasikan / test // lokal	
VI	POWER SUPPLAY EP UNIT 1		
1	INCOMING A 380V TO MCC EP 1A	operasikan / standby	

2	FEEDER MCC EP 1A	operasikan / test // lokal
3	INCOMING B 380 V TO MCC EP 1B	operasikan / standby
4	FEEDER MCC EP 1B	operasikan / test // lokal
VIII	POWER SUPPLAY EP UNIT 2	
1	INCOMING A 380V TO MCC EP 2A	operasikan / standby
2	FEEDER MCC EP 2A	operasikan / test // lokal
3	INCOMING B 380 V TO MCC EP 2B	operasikan / standby
4	FEEDER MCC EP 2B	operasikan / test // lokal
VIII	POWER SUPPLAY EP UNIT 3	
1	INCOMING A 380V TO MCC EP 3A	operasikan / standby
2	FEEDER MCC EP 3A	operasikan / test // lokal
3	INCOMING B 380 V TO MCC EP 3B	operasikan / standby
4	FEEDER MCC EP 3B	operasikan / test // lokal
IX	POWER SUPPLAY EP UNIT 4	
1	INCOMING A 380V TO MCC EP 4A	operasikan / standby
2	FEEDER MCC EP 4A	operasikan / test // lokal
3	INCOMING B 380 V TO MCC EP 4B	operasikan / standby
4	FEEDER MCC EP 4B	operasikan / test // lokal

Mengetahui : Dilaporkan

Sp Senior LAU Sp.OPA 1-4 B Operator Control

IRWAN SUBANDI AGUS SALIM ENCE JUNAE

/ 3 / 4 & SILO A / B
15'00- 22'00

KET.

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN : POWER SUPPLY
ASH HANDLING UNIT 1-4

TANGGAL	1-Mar-18	UNIT
SHIFT / DINAS	C MALAM KE 1	JAM

NO	NAMA ALAT	KONDISI	
		I	II
I	POWER SUPPLY # 1		
1	INCOMING FROM 6 KV/380 V A	CLOSE	CLOSE
2	BUS TIE FEEDER 380 V # 1-2	CLOSE	CLOSE
3	FEEDER TO MCC A	CLOSE	CLOSE
II	POWER SUPPLY # 2		
1	INCOMING FROM 6 KV/380 V B	OPEN	OPEN
2	FEEDER TO MCC B	CLOSE	CLOSE
III	POWER SUPPLY # 3		
1	INCOMING FROM 6 KV/380 V C	OPEN	OPEN
2	BUS TIE FEEDER 380 V # 3-4	ON	ON
3	FEEDER TO LVS C	ON	ON
4	FEEDER TO MCC C	ON	ON
IV	POWER SUPPLY # 4		
1	INCOMING FROM 6 KV/380 V D	CLOSE	CLOSE
2	FEEDER TO LVS D	ON	ON
3	FEEDER TO MCC D	ON	ON
V	POWER SUPPLY COMMOND AS		
1	FEEDER TO MCC DEPAC # 3-4	ON	ON
2	FEEDER TO MCC COMMOND #3	ON	ON
3	FEEDER TO MCC CONVEYOR 7B	OPEN	OPEN
4	INCOMING FROM 6KV / 380 V A	OPEN	OPEN
5	INCOMING FROM 6KV / 380 V B	OPEN	OPEN
6	FEEDER TO MCC COMMOND AS	ON	ON
VI	POWER SUPPLAY EP UNIT 1		
1	INCOMING A 380V TO MCC EP 1	CLOSE	CLOSE
2	FEEDER MCC EP 1A	ON	ON
3	INCOMING B 380 V TO MCC EP 1	ON	ON
4	FEEDER MCC EP 1B	ON	ON
VIII	POWER SUPPLAY EP UNIT 2		
1	INCOMING A 380V TO MCC EP 2	CLOSE	CLOSE
2	FEEDER MCC EP 2A	ON	ON
3	INCOMING B 380 V TO MCC EP 2	CLOSE	CLOSE
4	FEEDER MCC EP 2B	ON	ON
VIII	POWER SUPPLAY EP UNIT 3		
1	INCOMING A 380V TO MCC EP 3	CLOSE	CLOSE
2	FEEDER MCC EP 3A	ON	ON

3	*INCOMING B 380 V TO MCC EP 3*	*CLOSE*	*CLOSE*
4	*FEEDER MCC EP 3B*	*ON*	*ON*
IX	*POWER SUPPLAY EP UNIT 4*		
1	*INCOMING A 380V TO MCC EP 4*	*CLOSE*	*CLOSE*
2	*FEEDER MCC EP 4A*	*ON*	*ON*
3	*INCOMING B 380 V TO MCC EP 4*	*CLOSE*	*CLOSE*
4	*FEEDER MCC EP 4B*	*CLOSE*	*CLOSE*

n :
l Panel

DI

Mengetahui :

Sp Senior LAU — Sp.OPA 1-4 C — Operat

IRWAN SUBANDI — NURHASAN — DAD

INDONESIA POWER UP SURALAYA

'ELAKSANAAN PENGOPERASIAN POWER SUPPL'
ASH HANDLING UNIT 1-4
MALAM KE 1

NO	NAMA ALAT	MINGGU KE	I / II /
		HARI / TGL	1-Ma
I	POWER SUPPLY # 1		
1	INCOMING FROM 6 KV/380 V A	operasikan / standby	
2	BUS TIE FEEDER 380 V # 1-2	operasikan / standby	
3	FEEDER TO MCC A	operasikan / test // l	
II	POWER SUPPLY # 2		
1	INCOMING FROM 6 KV/380 V B	operasikan / standby	
2	FEEDER TO MCC B	operasikan / test // l	
III	POWER SUPPLY # 3		
1	INCOMING FROM 6 KV/380 V C	operasikan / standby	
2	BUS TIE FEEDER 380 V # 3-4	operasikan / standby	
3	FEEDER TO LVS C	operasikan / test // l	
4	FEEDER TO MCC C	operasikan / test // l	
IV	POWER SUPPLY # 4		
1	INCOMING FROM 6 KV/380 V D	operasikan / standby	
2	FEEDER TO LVS D	operasikan / standby	
3	FEEDER TO MCC D	operasikan / test // l	
V	POWER SUPPLY COMMOND ASH		
1	FEEDER TO MCC DEPAC # 3-4	operasikan / test // l	
2	FEEDER TO MCC COMMOND #3-4	operasikan / test // l	
3	FEEDER TO MCC CONVEYOR 7B/8B	operasikan / test // l	
VI	POWER SUPPLAY EP UNIT 1		
1	INCOMING A 380V TO MCC EP 1A	operasikan / standby	

KETERANGAN

2	FEEDER MCC EP 1A	operasikan / test // l
3	INCOMING B 380 V TO MCC EP 1B	operasikan / standby
4	FEEDER MCC EP 1B	operasikan / test // l
VIII	POWER SUPPLAY EP UNIT 2	
1	INCOMING A 380V TO MCC EP 2A	operasikan / standby
2	FEEDER MCC EP 2A	operasikan / test // l
3	INCOMING B 380 V TO MCC EP 2B	operasikan / standby
4	FEEDER MCC EP 2B	operasikan / test // l
VIII	POWER SUPPLAY EP UNIT 3	
1	INCOMING A 380V TO MCC EP 3A	operasikan / standby
2	FEEDER MCC EP 3A	operasikan / test // l
3	INCOMING B 380 V TO MCC EP 3B	operasikan / standby
4	FEEDER MCC EP 3B	operasikan / test // l
IX	POWER SUPPLAY EP UNIT 4	
1	INCOMING A 380V TO MCC EP 4A	operasikan / standby
2	FEEDER MCC EP 4A	operasikan / test // l
3	INCOMING B 380 V TO MCC EP 4B	operasikan / standby
4	FEEDER MCC EP 4B	operasikan / test // l

n :
l Panel

DI

Mengetahui :

Sp Senior LAU Sp.OPA 1-4 C Operat

IRWAN SUBANDI NURHASAN ED

1 / 2 / 3 / 4 & SILO A / B	
22'00 - 07'00	
III	KET.
CLOSE	
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CLOSE	
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CLOSE

Dilaporkan :
tor Control Panel

AN SUNANDAR

III / IV ar-18	KETERANGAN
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Dilaporkan :
tor Control Panel

)Y SUDARSO

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN SILO KALENG
ASH HANDLING PLANT UNIT 1-4

TANGGAL	1-Mar-18	UNIT	1 - 4
SHIFT / DINAS	A PAGI KE 1	JAM	07'00 - 15'00

No.	NAMA PERALATAN	SILO KALENG		
		I	II	II
1	EXH.FAN A Intermediate Silo A	N	N	N
2	EXH.FAN B Intermediate Silo B	SB	SB	S
3	LEVEL intermediate Silo A	L	L	L
4	LEVEL intermediate Silo B	L	L	L
5	BAG FILTER CLEANER A	N	N	N
6	BAG FILTER CLEANER B	SB	SB	S
7	DUST COLLECTOR	S	S	S
8	ROTARY FEEDER A	N	N	N
9	ROTARY FEEDER B	SB	SB	S
10	Valve line EMERGENCY drain	CLOSE	CLOSE	CLO
11	DUSTLESS UNLOADER B	N	N	N
12	DUSTLESS UNLOADER A	SB	SB	S
13	GATE VALVE A	N	N	N
14	GATE VALVE B	CLOSE	CLOSE	CLO
15	VIBRATOR A	N	N	N
16	VIBRATOR B	SB	SB	S
17	MOTOR POMPA SPRAY DUSTLESS UNLOADER	S	S	S
18	DIVERTER Valve #1 to Intermediate Silo A - B		BETON A	
19	DIVERTER Valve #2 to Intermediate Silo A - B		BETON A	
20	DIVERTER Valve #3 to Silo Beton A - B		BETON A	
21	DIVERTER Valve #4 to Silo Beton A - B		BETON A	

Mengetahui :

SpSenior LAU — IRWAN SUBANDI

Sp.OPA 1-4 A — ARJUNAEDI

DILAPORKAN :

OPERATOR LOKAL

PELAKSANAAN PENGOPERASIAN SILO KALENG
ASH HANDLING PLANT UNIT 1-4

NO	NAMA ALAT	MINGGU KE	I / II / III / IV	KETERANGAN
		HARI / TGL	1-Mar-18	

1	EXH.FAN INTERMEDIATE A	operasikan / standby	
2	EXH.FAN INTERMEDIATE B	operasikan / standby	
3	BAG FILTER CLEANER A	operasikan / test // lokal	
4	BAG FILTER CLEANER B	operasikan / test // lokal	
5	LEVEL INTERMEDIATE SILO A	High / Low	
6	LEVEL INTERMEDIATE SILO B	High / Low	
7	DUST COLLECTOR	operasikan / test // lokal	
8	ROTARY FEEDER A	operasikan	
9	ROTARY FEEDER B	operasikan	
10	EMERGENCY DRAIN to mobil kapsul	operasikan	
11	DUSTLESS UNLOADER A	operasikan / standby	
12	DUSTLESS UNLOADER B	operasikan / standby	
13	GATE VALVE A	operasikan	
14	GATE VALVE B	operasikan	
15	VIBRATOR A	operasikan	
16	VIBRATOR B	operasikan	
17	POMPA WATER SPRAY DU	operasikan / standby	
18	DIV. VLV #1 TO INTERM SILO A-B	operasikan / standby	
19	DIV. VLV #2 TO INTERM SILO A-B	operasikan / standby	
20	DIV. VALVE #3 TO SILO BETON A-B	operasikan / standby	
21	DIV. VALVE #4 TO SILO BETON A-B	operasikan / standby	

Mengetahui :

DILAPORKAN :

SpSenior LAU

Sp.OPA 1-4 A

OPERATOR LOKAL

IRWAN SUBANDI

ARJUNAEDI

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN SILO KALENG
ASH HANDLING PLANT UNIT 1-4

TANGGAL	1-Mar-18	UNIT	1 -
SHIFT / DINAS	B SIANG KE 1	JAM	15'00 -

No.	NAMA PERALATAN	SILO KALENG I	SILO KALENG II
1	EXH.FAN A Intermediate Silo A	N	N
2	EXH.FAN B Intermediate Silo B	SB	SB
3	LEVEL intermediate Silo A	L	L
4	LEVEL intermediate Silo B	L	L
5	BAG FILTER CLEANER A	N	N
6	BAG FILTER CLEANER B	SB	SB
7	DUST COLLECTOR	S	S
8	ROTARY FEEDER A	N	N
9	ROTARY FEEDER B	SB	SB
10	Valve line EMERGENCY drain	CLOSE	CLOSE
11	DUSTLESS UNLOADER B	N	N
12	DUSTLESS UNLOADER A	SB	SB
13	GATE VALVE A	N	N
14	GATE VALVE B	CLOSE	CLOSE
15	VIBRATOR A	N	N
16	VIBRATOR B	SB	SB
17	MOTOR POMPA SPRAY DUSTLESS UNLOADER	S	S
18	DIVERTER Valve #1 to Intermediate Silo A - B		BETON A
19	DIVERTER Valve #2 to Intermediate Silo A - B		BETON A
20	DIVERTER Valve #3 to Silo Beton A - B		BETON A
21	DIVERTER Valve #4 to Silo Beton A - B		BETON A

Mengetahui :

SpSenior LAU	Sp.OPA 1-4 B	DILAPORK/ OPERATOR L
IRWAN SUBANDI	AGUS SALIM	HAERU

PELAKSANAAN PENGOPERASIAN SILO KALENG
ASH HANDLING PLANT UNIT 1-4

NO	NAMA ALAT	MINGGU KE	I / II / III / IV	KETERA
		HARI / TGL	1-Mar-18	

1	EXH.FAN INTERMEDIATE A	operasikan / standby	
2	EXH.FAN INTERMEDIATE B	operasikan / standby	
3	BAG FILTER CLEANER A	operasikan / test // lokal	
4	BAG FILTER CLEANER B	operasikan / test // lokal	
5	LEVEL INTERMEDIATE SILO A	High / Low	
6	LEVEL INTERMEDIATE SILO B	High / Low	
7	DUST COLLECTOR	operasikan / test // lokal	
8	ROTARY FEEDER A	operasikan	
9	ROTARY FEEDER B	operasikan	
10	EMERGENCY DRAIN to mobil kapsul	operasikan	
11	DUSTLESS UNLOADER A	operasikan / standby	
12	DUSTLESS UNLOADER B	operasikan / standby	
13	GATE VALVE A	operasikan	
14	GATE VALVE B	operasikan	
15	VIBRATOR A	operasikan	
16	VIBRATOR B	operasikan	
17	POMPA WATER SPRAY DU	operasikan / standby	
18	DIV. VLV #1 TO INTERM SILO A-B	operasikan / standby	
19	DIV. VLV #2 TO INTERM SILO A-B	operasikan / standby	
20	DIV. VALVE #3 TO SILO BETON A-B	operasikan / standby	
21	DIV. VALVE #4 TO SILO BETON A-B	operasikan / standby	

Mengetahui : DILAPORK

SpSenior LAU Sp.OPA 1-4 B OPERATOR L

IRWAN SUBANDI AGUS SALIM

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN SILO KALENG
ASH HANDLING PLANT UNIT 1-4

TANGGAL	1-Mar-18		UNIT
SHIFT / DINAS	C	MALAM KE 1	JAM

No.	NAMA PERALATAN	I
1	EXH.FAN A Intermediate Silo A	N
2	EXH.FAN B Intermediate Silo B	SB
3	LEVEL intermediate Silo A	L
4	LEVEL intermediate Silo B	L
5	BAG FILTER CLEANER A	N
6	BAG FILTER CLEANER B	SB
7	DUST COLLECTOR	S
8	ROTARY FEEDER A	N
9	ROTARY FEEDER B	SB
10	Valve line EMERGENCY drain	CLOSE
11	DUSTLESS UNLOADER B	N
12	DUSTLESS UNLOADER A	SB
13	GATE VALVE A	N
14	GATE VALVE B	CLOSE
15	VIBRATOR A	N
16	VIBRATOR B	SB
17	MOTOR POMPA SPRAY DUSTLESS UNLOADER	S
18	DIVERTER Valve #1 to Intermediate Silo A - B	
19	DIVERTER Valve #2 to Intermediate Silo A - B	
20	DIVERTER Valve #3 to Silo Beton A - B	
21	DIVERTER Valve #4 to Silo Beton A - B	

	III
- 4	
- 22'00	
	N
	SB
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	L
	N
	SB
	S
	N
	SB
	CLOSE
	N
	SB
	N
	CLOSE
	N
	SB
	S

AN :
.OKAL

JL AMRI

Mengetahui :

SpSenior LAU — Sp.OPA 1-4 C

IRWAN SUBANDI — NURHASAN

ANGAN

PELAKSANAAN PENGOPERASIAN SILO KALENG
ASH HANDLING PLANT UNIT 1-4

NO	NAMA ALAT	MINGGU KE	I / II / III / IV
		HARI / TGL	1-Mar-18

1	EXH.FAN INTERMEDIATE A	operasikan / standby
2	EXH.FAN INTERMEDIATE B	operasikan / standby
3	BAG FILTER CLEANER A	operasikan / test // lokal
4	BAG FILTER CLEANER B	operasikan / test // lokal
5	LEVEL INTERMEDIATE SILO A	High / Low
6	LEVEL INTERMEDIATE SILO B	High / Low
7	DUST COLLECTOR	operasikan / test // lokal
8	ROTARY FEEDER A	operasikan
9	ROTARY FEEDER B	operasikan
10	EMERGENCY DRAIN to mobil kapsul	operasikan
11	DUSTLESS UNLOADER A	operasikan / standby
12	DUSTLESS UNLOADER B	operasikan / standby
13	GATE VALVE A	operasikan
14	GATE VALVE B	operasikan
15	VIBRATOR A	operasikan
16	VIBRATOR B	operasikan
17	POMPA WATER SPRAY DU	operasikan / standby
18	DIV. VLV #1 TO INTERM SILO A-B	operasikan / standby
19	DIV. VLV #2 TO INTERM SILO A-B	operasikan / standby
20	DIV. VALVE #3 TO SILO BETON A-B	operasikan / standby
21	DIV. VALVE #4 TO SILO BETON A-B	operasikan / standby

AN :
.OKAL

Mengetahui :

SpSenior LAU	Sp.OPA 1-4 C
IRWAN SUBANDI	NURHASAN

1 - 4	
22'00 - 07'00	
SILO KALENG	
II	III
N	***N***
SB	***SB***
L	***L***
L	***L***
N	***N***
SB	***SB***
S	***S***
N	***N***
SB	***SB***
CLOSE	***CLOSE***
N	***N***
SB	***SB***
N	***N***
CLOSE	***CLOSE***
N	***N***
SB	***SB***
S	***S***
BETON A	
BETON A	
BETON A	
BETON A	

DILAPORKAN :
OPERATOR LOKAL

HAFIYUN

KETERANGAN

DILAPORKAN :
OPERATOR LOKAL

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN BOTTOM ASH SYSTEM
ASH HANDLING UNIT 1

TANGGAL	1-Mar-18	UNIT	
SHIFT /DINAS	A PAGI KE 1	JAM	

NO	NAMA ALAT	KONDISI I	KONDISI II	KONDISI III
1	SSC			
	Drive Sproket	O/H		
	Gear Box			
	Variable speed			
	Guide roll			
	Chain dan Sackle			
	Fligh bar			
	SWBP			
	Spring tension			
	Bak SSC			
2	VIBRATING SCREEN	STOP	STOP	STOP
	V Belt	O/H		
	Screen			
	Speed sw.			
3	ASH CRUSHER	STOP	STOP	STOP
	Gear Box	O/H		
	Chain			
	Speed sw.			
	Sproket			
4	REFACTORY			
	Seal Trough	By Pass		
5	LOWER CHUTE / BOTTOM ASH			
	Chute 1-9	N	N	N
6	CONVEYOR 1A	STOP	STOP	STOP
	Motor Penggerak / gearbox	SB	SB	SB
	Pulley-pulley	SB	SB	SB
	Return idler & Support	SB	SB	SB
	Carring Idler & Support	SB	SB	SB
	Stering & Support	SB	SB	SB

NO	NAMA ALAT
7	CONVEYOR 2A
	Motor Penggerak / g
	Pulley-pulley
	Return idler & Suppo
	Carring Idler & Supp
	Stering & Support
	Imfact Idler & Suppo
	Belt
	Speed sw./Trip wire
	Scrapper/Skirt Rubb
	Fluide coupling
	Diverter
	Take up / Counter W
8	CONVEYOR 1B
	Motor Penggerak / g
	Pulley-pulley
	Return idler & Suppo
	Carring Idler & Supp
	Stering & Support
	Imfact Idler & Suppo
	Belt
	Speed sw./Trip wire
	Scrapper/Skirt Rubb
	Fluide coupling
	Diverter
	Take up / Counter W
9	CONVEYOR 5
	Motor Penggerak / g
	Pulley-pulley
	Return idler & Suppo
	Carring Idler & Supp
	Stering & Support

	Imfact Idler & Support	*SB*	*SB*	*SB*		*Imfact Idler & Suppo*
	Belt	*SB*	*SB*	*SB*		*Belt*
	Speed sw./Trip wire/Warning	*SB*	*SB*	*SB*		*Speed sw./Trip wire*
	Scrapper/Skirt Rubber	*SB*	*SB*	*SB*		*Scrapper/Skirt Rubb*
	Fluide coupling	*SB*	*SB*	*SB*		*Fluide coupling*
	Diverter	*TO CONV 1B*				*Diverter*
	Take up / Counter Weigh	*SB*	*SB*	*SB*		*Take up / Counter V*

Mengetahui :

Sp Senior LAU — Sp.OPA 1-4 A

IRWAN SUBANDI — ARJUNAEDI

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGOPERASIAN
PERALATAN BOTTOM ASH SYSTEM
UNIT 1

NO	NAMA ALAT	Minggu Ke : I - II - III - IV Hari / TGL : / 1-Mar-18	
1	SSC	HIGH/LOW Speed	
2	SEAL TROUGH	close / open, by pass	
3	LOWER CHUTE/ BOTTOM ASH	close / open	
4	VIBRATING SCREEN	operasikan, test speed sw.	
5	DIVERT. GATE VIB TO CONV. 1A/2A	operasikan, standby	
6	ASH CRUSHER	Reverse, forward	
7	DIVERT. GATE CRUSHER TO CONV. 1A/2A	operasikan	
8	CONVEYOR 1A	operasikan (standby)	
9	CONVEYOR 2A	operasikan (standby)	
12	CONVEYOR 5	operasikan (standby)	
13	DIVERTER GATE CONV 5 TO CONV. 1B/2B	operasikan	
14	CONVEYOR 1B	operasikan (standby)	
15	SWBP 1A	operasikan (standby)	
16	SWBP 1B	operasikan (standby)	
17	HYDRO EJECTOR SUPPLY PUMP 1A	operasikan (standby)	
18	HYDRO EJECTOR SUPPLY PUMP 1B	operasikan (standby)	
19	ASH SEPARATOR FEED PUMP 1A	operasikan (standby)	
20	ASH SEPARATOR FEED PUMP 1B	operasikan (standby)	
21	COOLING WATER DISCHARGE PUMP 1A	operasikan (standby)	
22	COOLING WATER DISCHARGE PUMP 1B	operasikan (standby)	

Mengetahui :

SpSenior LAU	Sp.OPA 1-4 A
IRWAN SUBANDI	ARJUNAEDI

	1		
	07'00 - 15'00		
	KONDISI		
	I	II	III
gearbox	O/H		
ort			
port			
ort			
/Warning			
ber			
Weigh			
	RUN	RUN	RUN
gearbox	N	N	N
	N	N	N
ort	N	N	N
port	N	N	N
	N	N	N
ort	N	N	N
	N	N	N
/Warning	N	N	N
ber	N	N	N
	N	N	N
	TO CONV 8		
Weigh	N	N	N
	STOP	STOP	STOP
gearbox	SB	SB	SB
	SB	SB	SB
ort	Idler tidak lengkap		
port			

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN BOTT
ASH HANDLING U

TANGGAL		1-Mar-18	
SHIFT /DINAS	B		SIANG KE

NO	NAMA ALAT	KONDIS I	KONDIS II
1	SSC		
	Drive Sproket	O/H	
	Gear Box		
	Variable speed		
	Guide roll		
	Chain dan Sackle		
	Fligh bar		
	SWBP		
	Spring tension		
	Bak SSC		
2	VIBRATING SCREEN	STOP	STOP
	V Belt	O/H	
	Screen		
	Speed sw.		
3	ASH CRUSHER	STOP	STOP
	Gear Box	O/H	
	Chain		
	Speed sw.		
	Sproket		
4	REFACTORY		
	Seal Trough	By Pass	
5	LOWER CHUTE / BOTTOM ASH		
	Chute 1-9	N	N
6	CONVEYOR 1A	STOP	STOP
	Motor Penggerak / gearbox	SB	SB
	Pulley-pulley	SB	SB
	Return idler & Support	SB	SB
	Carring Idler & Support	SB	SB
	Stering & Support	SB	SB

ort			
	SB	*SB*	*SB*
/Warning	*SB*	*SB*	*SB*
ber	*SB*	*SB*	*SB*
	SB	*SB*	*SB*
	TO CONV 1B		
Veigh	*SB*	*SB*	*SB*

OPERATOR LOKAL

0

	Imfact Idler & Support	*SB*	*SB*
	Belt	*SB*	*SB*
	Speed sw./Trip wire/Warning	*SB*	*SB*
	Scrapper/Skirt Rubber	*SB*	*SB*
	Fluide coupling	*SB*	*SB*
	Diverter	*TO CONV*	
	Take up / Counter Weigh	*SB*	*SB*

Mengetahui :

SpSenior LAU

IRWAN SUBANDI

KETERANGAN

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGC
PERALATAN BOTTOM A
UNIT 1

NO	NAMA ALAT	Minggu Ke : Hari / TGL :
1	SSC	HIGH/LOW
2	SEAL TROUGH	close / ope
3	LOWER CHUTE/ BOTTOM ASH	close / ope
4	VIBRATING SCREEN	operasikan
5	DIVERT. GATE VIB TO CONV. 1A/2A	operasikan
6	ASH CRUSHER	Reverse, fc
7	DIVERT. GATE CRUSHER TO CONV. 1A/2A	operasikan
8	CONVEYOR 1A	operasikan
9	CONVEYOR 2A	operasikan
12	CONVEYOR 5	operasikan
13	DIVERTER GATE CONV 5 TO CONV. 1B/2B	operasikan
14	CONVEYOR 1B	operasikan
15	SWBP 1A	operasikan
16	SWBP 1B	operasikan
17	HYDRO EJECTOR SUPPLY PUMP 1A	operasikan
18	HYDRO EJECTOR SUPPLY PUMP 1B	operasikan
19	ASH SEPARATOR FEED PUMP 1A	operasikan
20	ASH SEPARATOR FEED PUMP 1B	operasikan
21	COOLING WATER DISCHARGE PUMP 1A	operasikan
22	COOLING WATER DISCHARGE PUMP 1B	operasikan

OPERATOR LOKAL

Mengetahui :

SpSenior LAU Sp.O

IRWAN SUBANDI AGU

TOM ASH SYSTEM
JNIT 1

	UNIT	1			TANGGAL	
1	JAM	15'00 - 22'00			SHIFT /DINAS	
I	NO	NAMA ALAT	KONDISI			NO
III			I	II	III	
	7	CONVEYOR 2A				1
		Motor Penggerak / gearbox	O/H			
		Pulley-pulley				
		Return idler & Support				
		Carring Idler & Support				
		Stering & Support				
		Imfact Idler & Support				
		Belt				
		Speed sw./Trip wire/Warning				
		Scrapper/Skirt Rubber				
		Fluide coupling				
STOP		Diverter				2
		Take up / Counter Weigh				
	8	CONVEYOR 1B	RUN	RUN	RUN	
		Motor Penggerak / gearbox	N	N	N	
STOP		Pulley-pulley	N	N	N	3
		Return idler & Support	N	N	N	
		Carring Idler & Support	N	N	N	
		Stering & Support	N	N	N	
		Imfact Idler & Support	N	N	N	
		Belt	N	N	N	
		Speed sw./Trip wire/Warning	N	N	N	4
;		Scrapper/Skirt Rubber	N	N	N	
		Fluide coupling	N	N	N	
		Diverter	TO CONV 8			5
N		Take up / Counter Weigh	N	N	N	
STOP	9	CONVEYOR 5	STOP	STOP	STOP	6
SB		Motor Penggerak / gearbox	SB	SB	SB	
SB		Pulley-pulley	SB	SB	SB	
SB		Return idler & Support	Idler tidak lengkap			
SB		Carring Idler & Support				
SB		Stering & Support				

SB		*Imfact Idler & Support*			
SB		*Belt*	*SB*	*SB*	*SB*
SB		*Speed sw./Trip wire/Warning*	*SB*	*SB*	*SB*
SB		*Scrapper/Skirt Rubber*	*SB*	*SB*	*SB*
SB		*Fluide coupling*	*SB*	*SB*	*SB*
1B		*Diverter*	*TO CONV 1B*		
SB		*Take up / Counter Weigh*	*SB*	*SB*	*SB*

OPERATOR LOKAL

Sp.OPA 1-4 B

AGUS SALIM

0

OPERASIAN
ASH SYSTEM

I - II - III - IV / 1-Mar-18	KETERANGAN
Speed	
n, by pass	
n	
, test speed sw.	
, standby	
rward	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	

NO	NAMA
1	SSC
2	SEAL TROU
3	LOWER CH
4	VIBRATING
5	DIVERT. GA
6	ASH CRUSH
7	DIVERT. GA
8	CONVEYOR
9	CONVEYOR
12	CONVEYOR
13	DIVERTER C
14	CONVEYOR
15	SWBP 1A
16	SWBP 1B
17	HYDRO EJE
18	HYDRO EJE
19	ASH SEPAR
20	ASH SEPAR
21	COOLING V
22	COOLING V

OPERATOR LOKAL

PA 1-4 B

S SALIM

CHECK LIST PERALATAN BOTTOM ASH SYSTEM
ASH HANDLING UNIT 1

	1-Mar-18	UNIT	1
	C MALAM KE 1	JAM	22'00 - 07'0

NAMA ALAT	KONDISI I	KONDISI II	KONDISI III
e Sproket	O/H		
· Box			
able speed			
le roll			
n dan Sackle			
h bar			
BP			
ng tension			
SSC			
NG SCREEN	STOP	STOP	STOP
lt	O/H		
en			
d sw.			
SHER	STOP	STOP	STOP
· Box	O/H		
n			
d sw.			
ket			
ORY			
Trough	By Pass		
CHUTE / BOTTOM ASH			
e 1-9	N	N	N
OR 1A	STOP	STOP	STOP
or Penggerak / gearbox	SB	SB	SB
ey-pulley	SB	SB	SB
rn idler & Support	SB	SB	SB
ing Idler & Support	SB	SB	SB
ng & Support	SB	SB	SB

NO	NAMA ALAT	I
7	CONVEYOR 2A	
	Motor Penggerak / gearbox	
	Pulley-pulley	
	Return idler & Support	
	Carring Idler & Support	
	Stering & Support	
	Imfact Idler & Support	
	Belt	
	Speed sw./Trip wire/Warning	
	Scrapper/Skirt Rubber	
	Fluide coupling	
	Diverter	
	Take up / Counter Weigh	
8	CONVEYOR 1B	RUN
	Motor Penggerak / gearbox	N
	Pulley-pulley	N
	Return idler & Support	N
	Carring Idler & Support	N
	Stering & Support	N
	Imfact Idler & Support	N
	Belt	N
	Speed sw./Trip wire/Warning	N
	Scrapper/Skirt Rubber	N
	Fluide coupling	N
	Diverter	TC
	Take up / Counter Weigh	N
9	CONVEYOR 5	STOP
	Motor Penggerak / gearbox	SB
	Pulley-pulley	SB
	Return idler & Support	Idler t
	Carring Idler & Support	
	Stering & Support	

ct Idler & Support	*SB*	*SB*	*SB*		*Imfact Idler & Support*	
	SB	*SB*	*SB*		*Belt*	*SB*
d sw./Trip wire/Warning	*SB*	*SB*	*SB*		*Speed sw./Trip wire/Warning*	*SB*
pper/Skirt Rubber	*SB*	*SB*	*SB*		*Scrapper/Skirt Rubber*	*SB*
le coupling	*SB*	*SB*	*SB*		*Fluide coupling*	*SB*
rter	*TO CONV 1B*				*Diverter*	*TO*
e up / Counter Weigh	*SB*	*SB*	*SB*		*Take up / Counter Weigh*	*SB*

Mengetahui : OPERATOR

SpSenior LAU Sp.OPA 1-4 C

IRWAN SUBANDI NURHASAN 0

ONESIA
WER
SURALAYA

PELAKSANAAN PENGOPERASIAN
PERALATAN BOTTOM ASH SYSTEM
UNIT 1

A ALAT	Minggu Ke : I - II - III - IV Hari / TGL : / 1-Mar-18	KETERANGAN
	HIGH/LOW Speed	
GH	close / open, by pass	
UTE/ BOTTOM ASH	close / open	
SCREEN	operasikan, test speed sw.	
TE VIB TO CONV. 1A/2A	operasikan, standby	
HER	Reverse, forward	
TE CRUSHER TO CONV. 1A/2A	operasikan	
1A	operasikan (standby)	
2A	operasikan (standby)	
5	operasikan (standby)	
GATE CONV 5 TO CONV. 1B/2B	operasikan	
1B	operasikan (standby)	
	operasikan (standby)	
	operasikan (standby)	
CTOR SUPPLY PUMP 1A	operasikan (standby)	
CTOR SUPPLY PUMP 1B	operasikan (standby)	
ATOR FEED PUMP 1A	operasikan (standby)	
ATOR FEED PUMP 1B	operasikan (standby)	
VATER DISCHARGE PUMP 1A	operasikan (standby)	
VATER DISCHARGE PUMP 1B	operasikan (standby)	

Mengetahui : OPERATOR

SpSenior LAU Sp.OPA 1-4 C

IRWAN SUBANDI NURHASAN

)0
KONDISI

II	III

O/H

RUN	***RUN***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***

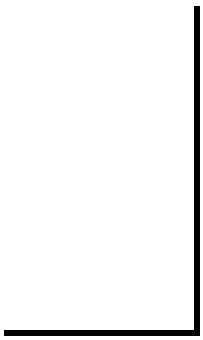
) CONV 8

N	***N***
STOP	***STOP***
SB	***SB***
SB	***SB***

idak lengkap

SB	***SB***
SB	***SB***
SB	***SB***
SB	***SB***
CONV 1B	
SB	***SB***

: LOKAL



INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN BOTTOM ASH SYSTEM
ASH HANDLING UNIT 2

TANGGAL	1-Mar-18	UNIT	
SHIFT /DINAS	A PAGI KE 1	JAM	

NO	NAMA ALAT	KONDISI I	KONDISI II	KONDISI III
1	SSC			
	Drive Sproket	N	N	N
	Gear Box	N	N	N
	Variable speed	N	N	N
	Guide roll	N	N	N
	Chain dan Sackle	N	N	N
	Fligh bar	N	N	N
	SWBP	N	N	N
	Spring tension	N	N	N
	Bak SSC	N	N	N
2	VIBRATING SCREEN	RUN	RUN	RUN
	V Belt	N	N	N
	Screen	N	N	N
	Speed sw.	N	N	N
3	ASH CRUSHER	RUN	RUN	RUN
	Gear Box	N	N	N
	Chain	N	N	N
	Speed sw.	N	N	N
	Sproket	N	N	N
4	REFACTORY			
	Seal Trough	By Pass		
5	LOWER CHUTE / BOTTOM ASH			
	Chute 1-9	N	N	N
6	CONVEYOR 3	RUN	RUN	RUN
	Motor Penggerak / gearbox	N	N	N
	Pulley-pulley	N	N	N
	Return idler & Support	N	N	N
	Carring Idler & Support	N	N	N
	Stering & Support	N	N	N

NO	NAMA ALAT
7	CONVEYOR 4
	Motor Penggerak / g
	Pulley-pulley
	Return idler & Suppo
	Carring Idler & Supp
	Stering & Support
	Imfact Idler & Suppo
	Belt
	Speed sw./Trip wire
	Scrapper/Skirt Rubb
	Fluide coupling
	Diverter
	Take up / Counter W
8	CONVEYOR 2B
	Motor Penggerak / g
	Pulley-pulley
	Return idler & Suppo
	Carring Idler & Supp
	Stering & Support
	Imfact Idler & Suppo
	Belt
	Speed sw./Trip wire
	Scrapper/Skirt Rubb
	Fluide coupling
	Diverter
	Take up / Counter W
9	CONVEYOR 6
	Motor Penggerak / g
	Pulley-pulley
	Return idler & Suppo
	Carring Idler & Supp
	Stering & Support

	Imfact Idler & Support	*N*	*N*	*N*		*Imfact Idler & Suppo*
	Belt	*N*	*N*	*N*		*Belt*
	Speed sw./Trip wire/Warning	*N*	*N*	*N*		*Speed sw./Trip wire*
	Scrapper/Skirt Rubber	*N*	*N*	*N*		*Scrapper/Skirt Rubb*
	Fluide coupling	*N*	*N*	*N*		*Fluide coupling*
	Diverter	*TO CONV 6*				*Diverter*
	Take up / Counter Weigh	*N*	*N*	*N*		*Take up / Counter W*

Mengetahui :

SpSenior LAU Sp.OPA 1-4 A

IRWAN SUBANDI ARJUNAEDI

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGOPERASIAN
PERALATAN BOTTOM ASH SYSTEM
UNIT 2

NO	NAMA ALAT	Minggu Ke : I - II - III - IV Hari / TGL : / 1-Mar-18	
1	SSC	HIGH/LOW Speed	
2	SEAL TROUGH	close / open, by pass	
3	LOWER CHUTE/ BOTTOM ASH	close / open	
4	VIBRATING SCREEN	operasikan, test speed sw.	
5	DIVERT. GATE VIB TO CONV. 3 / 4	operasikan, standby	
6	ASH CRUSHER	Reverse, forward	
7	DIVERT. GATE CRUSHER TO CONV. 3/4	operasikan	
8	CONVEYOR 3	operasikan (standby)	
9	CONVEYOR 4	operasikan (standby)	
12	CONVEYOR 6	operasikan (standby)	
13	DIVERT. GATE CONV 6 TO CONV. 1B/2 B	operasikan	
14	CONVEYOR 2B	operasikan (standby)	
15	SWBP 2A	operasikan (standby)	
16	SWBP 2B	operasikan (standby)	
17	HYDRO EJECTOR SUPPLY PUMP 2A	operasikan (standby)	
18	HYDRO EJECTOR SUPPLY PUMP 2B	operasikan (standby)	
19	ASH SEPARATOR FEED PUMP 2A	operasikan (standby)	
20	ASH SEPARATOR FEED PUMP 2B	operasikan (standby)	
21	COOLING WATER DISCHARGE PUMP 2A	operasikan (standby)	
22	COOLING WATER DISCHARGE PUMP 2B	operasikan (standby)	

Mengetahui :

SpSenior LAU	Sp.OPA 1-4 A
IRWAN SUBANDI	ARJUNAEDI

	2		
	07'00 - 15'00		
	KONDISI		
	I	II	III
gearbox	SB	SB	SB
	SB	SB	SB
ort	SB	SB	SB
port	SB	SB	SB
	SB	SB	SB
ort	SB	SB	SB
	SB	SB	SB
/Warning	SB	SB	SB
ber	SB	SB	SB
	SB	SB	SB
	TO CONV 5		
Weigh	SB	SB	SB
	RUN	RUN	RUN
gearbox	SB	SB	SB
	SB	SB	SB
ort	SB	SB	SB
port	SB	SB	SB
	SB	SB	SB
ort	SB	SB	SB
	SOBEK		
/Warning	SB	SB	SB
ber	SB	SB	SB
	SB	SB	SB
	TO CONV 8		
Weigh	SB	SB	SB
	RUN	RUN	RUN
gearbox	N	N	N
	N	N	N
ort	N	N	N
port	N	N	N
	N	N	N

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN BOTT
ASH HANDLING U

TANGGAL		1-Mar-18	
SHIFT /DINAS	B		SIANG KE

NO	NAMA ALAT	KONDIS	
		I	II
1	SSC		
	Drive Sproket	N	N
	Gear Box	N	N
	Variable speed	N	N
	Guide roll	N	N
	Chain dan Sackle	N	N
	Fligh bar	N	N
	SWBP	N	N
	Spring tension	N	N
	Bak SSC	N	N
2	VIBRATING SCREEN	RUN	RUN
	V Belt	N	N
	Screen	N	N
	Speed sw.	N	N
3	ASH CRUSHER	RUN	RUN
	Gear Box	N	N
	Chain	N	N
	Speed sw.	N	N
	Sproket	N	N
4	REFACTORY		
	Seal Trough	By Pass	
5	LOWER CHUTE / BOTTOM ASH		
	Chute 1-9	N	N
6	CONVEYOR 3	RUN	RUN
	Motor Penggerak / gearbox	N	N
	Pulley-pulley	N	N
	Return idler & Support	N	N
	Carring Idler & Support	N	N
	Stering & Support	N	N

ort	*N*	*N*	*N*
	N	*N*	*N*
/Warning	*N*	*N*	*N*
ber	*N*	*N*	*N*
	N	*N*	*N*
	TO CONV 1B		
Veigh	*N*	*N*	*N*

OPERATOR LOKAL

MUHAMAD SURURI

	Imfact Idler & Support	*N*	*N*
	Belt	*N*	*N*
	Speed sw./Trip wire/Warning	*N*	*N*
	Scrapper/Skirt Rubber	*N*	*N*
	Fluide coupling	*N*	*N*
	Diverter	*TO CONT*	
	Take up / Counter Weigh	*N*	*N*

Mengetahui :

SpSenior LAU Sp.O

IRWAN SUBANDI AGU

KETERANGAN

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGC
PERALATAN BOTTOM A
UNIT 2

NO	NAMA ALAT	Minggu Ke : Hari / TGL :	
1	SSC		HIGH/LOW
2	SEAL TROUGH		close / ope
3	LOWER CHUTE/ BOTTOM ASH		close / ope
4	VIBRATING SCREEN		operasikan
5	DIVERT. GATE VIB TO CONV. 3 / 4		operasikan
6	ASH CRUSHER		Reverse, fc
7	DIVERT. GATE CRUSHER TO CONV. 3/4		operasikan
8	CONVEYOR 3		operasikan
9	CONVEYOR 4		operasikan
12	CONVEYOR 6		operasikan
13	DIVERT. GATE CONV 6 TO CONV. 1B/2 B		operasikan
14	CONVEYOR 2B		operasikan
15	SWBP 2A		operasikan
16	SWBP 2B		operasikan
17	HYDRO EJECTOR SUPPLY PUMP 2A		operasikan
18	HYDRO EJECTOR SUPPLY PUMP 2B		operasikan
19	ASH SEPARATOR FEED PUMP 2A		operasikan
20	ASH SEPARATOR FEED PUMP 2B		operasikan
21	COOLING WATER DISCHARGE PUMP 2A		operasikan
22	COOLING WATER DISCHARGE PUMP 2B		operasikan

OPERATOR LOKAL

Mengetahui :

SpSenior LAU Sp.O

IRWAN SUBANDI AGU

TOM ASH SYSTEM
JNIT 2

	UNIT	2			TANGGAL
1	JAM	15'00 - 22'00			SHIFT /DINAS
I	NO	NAMA ALAT	KONDISI		NO
III			I	II III	
	7	CONVEYOR 4			1 SSC
N		Motor Penggerak / gearbox	SB	SB SB	Drive
N		Pulley-pulley	SB	SB SB	Gear
N		Return idler & Support	SB	SB SB	Varia
N		Carring Idler & Support	SB	SB SB	Guid
N		Stering & Support	SB	SB SB	Chai
N		Imfact Idler & Support	SB	SB SB	Fligh
N		Belt	SB	SB SB	SWB
N		Speed sw./Trip wire/Warning	SB	SB SB	Sprin
N		Scrapper/Skirt Rubber	SB	SB SB	Bak
		Fluide coupling	SB	SB SB	
RUN		Diverter	TO CONV 5		2 VIBRATI
N		Take up / Counter Weigh	SB	SB SB	V Be
N					Scre
N	8	CONVEYOR 2B	RUN	RUN RUN	Spee
		Motor Penggerak / gearbox	SB	SB SB	
RUN		Pulley-pulley	SB	SB SB	3 ASH CRU
N		Return idler & Support	SB	SB SB	Gear
N		Carring Idler & Support	SB	SB SB	Chai
N		Stering & Support	SB	SB SB	Spee
N		Imfact Idler & Support	SB	SB SB	Spro
		Belt	SOBEK		
		Speed sw./Trip wire/Warning	SB	SB SB	4 REFACT
		Scrapper/Skirt Rubber	SB	SB SB	Seal
		Fluide coupling	SB	SB SB	
		Diverter	TO CONV 8		5 LOWER
N		Take up / Counter Weigh	SB	SB SB	Chut
RUN	9	CONVEYOR 6	RUN	RUN RUN	6 CONVEY
N		Motor Penggerak / gearbox	N	N N	Moto
N		Pulley-pulley	N	N N	Pulle
N		Return idler & Support	N	N N	Retu
N		Carring Idler & Support	N	N N	Carri
N		Stering & Support	N	N N	Steri

N		*Imfact Idler & Support*	*N*	*N*	*N*
N		*Belt*	*N*	*N*	*N*
N		*Speed sw./Trip wire/Warning*	*N*	*N*	*N*
N		*Scrapper/Skirt Rubber*	*N*	*N*	*N*
N		*Fluide coupling*	*N*	*N*	*N*
V 6		*Diverter*	*TO CONV 1B*		
N		*Take up / Counter Weigh*	*N*	*N*	*N*

OPERATOR LOKAL

PA 1-4 B

S SALIM

OPERASIAN
ASH SYSTEM

I - II - III - IV / 1-Mar-18	KETERANGAN
Speed	
n, by pass	
n	
, test speed sw.	
, standby	
rward	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	

NO	NAMA
1	SSC
2	SEAL TROU
3	LOWER CH
4	VIBRATING
5	DIVERT. GA
6	ASH CRUSH
7	DIVERT. GA
8	CONVEYOR
9	CONVEYOR
12	CONVEYOR
13	DIVERT. GA
14	CONVEYOR
15	SWBP 2A
16	SWBP 2B
17	HYDRO EJE
18	HYDRO EJE
19	ASH SEPAR
20	ASH SEPAR
21	COOLING V
22	COOLING V

OPERATOR LOKAL

PA 1-4 B

S SALIM

CHECK LIST PERALATAN BOTTOM ASH SYSTEM
ASH HANDLING UNIT 2

	1-Mar-18	UNIT	2
	C MALAM KE 1	JAM	22'00 - 07'0

NAMA ALAT	KONDISI			NO	NAMA ALAT	
	I	II	III			I
				7	CONVEYOR 4	
e Sproket	N	N	N		Motor Penggerak / gearbox	SB
· Box	N	N	N		Pulley-pulley	SB
able speed	N	N	N		Return idler & Support	SB
le roll	N	N	N		Carring Idler & Support	SB
n dan Sackle	N	N	N		Stering & Support	SB
h bar	N	N	N		Imfact Idler & Support	SB
BP	N	N	N		Belt	SB
ng tension	N	N	N		Speed sw./Trip wire/Warning	SB
SSC	N	N	N		Scrapper/Skirt Rubber	SB
					Fluide coupling	SB
NG SCREEN	RUN	RUN	RUN		Diverter	TC
lt	N	N	N		Take up / Counter Weigh	SB
en	N	N	N			
d sw.	N	N	N	8	CONVEYOR 2B	RUN
					Motor Penggerak / gearbox	SB
SHER	RUN	RUN	RUN		Pulley-pulley	SB
· Box	N	N	N		Return idler & Support	SB
n	N	N	N		Carring Idler & Support	SB
d sw.	N	N	N		Stering & Support	SB
ket	N	N	N		Imfact Idler & Support	SB
					Belt	
ORY					Speed sw./Trip wire/Warning	SB
Trough	By Pass				Scrapper/Skirt Rubber	SB
					Fluide coupling	SB
CHUTE / BOTTOM ASH					Diverter	TC
e 1-9	N	N	N		Take up / Counter Weigh	SB
OR 3	RUN	RUN	RUN	9	CONVEYOR 6	RUN
or Penggerak / gearbox	N	N	N		Motor Penggerak / gearbox	N
ey-pulley	N	N	N		Pulley-pulley	N
rn idler & Support	N	N	N		Return idler & Support	N
ing Idler & Support	N	N	N		Carring Idler & Support	N
ng & Support	N	N	N		Stering & Support	N

ct Idler & Support	*N*	*N*	*N*		*Imfact Idler & Support*	*N*
	N	*N*	*N*		*Belt*	*N*
d sw./Trip wire/Warning	*N*	*N*	*N*		*Speed sw./Trip wire/Warning*	*N*
pper/Skirt Rubber	*N*	*N*	*N*		*Scrapper/Skirt Rubber*	*N*
le coupling	*N*	*N*	*N*		*Fluide coupling*	*N*
rter	*TO CONV 6*				*Diverter*	*TO*
e up / Counter Weigh	*N*	*N*	*N*		*Take up / Counter Weigh*	*N*

Mengetahui : OPERATOR

SpSenior LAU Sp.OPA 1-4 C

IRWAN SUBANDI NURHASAN EDY

ONESIA
WER
SURALAYA

PELAKSANAAN PENGOPERASIAN
PERALATAN BOTTOM ASH SYSTEM
UNIT 2

A ALAT	Minggu Ke : I - II - III - IV Hari / TGL : / 1-Mar-18	KETERANGAN
	HIGH/LOW Speed	
GH	close / open, by pass	
UTE/ BOTTOM ASH	close / open	
SCREEN	operasikan, test speed sw.	
TE VIB TO CONV. 3 / 4	operasikan, standby	
ER	Reverse, forward	
TE CRUSHER TO CONV. 3/4	operasikan	
3	operasikan (standby)	
4	operasikan (standby)	
6	operasikan (standby)	
TE CONV 6 TO CONV. 1B/2 B	operasikan	
2B	operasikan (standby)	
	operasikan (standby)	
	operasikan (standby)	
CTOR SUPPLY PUMP 2A	operasikan (standby)	
CTOR SUPPLY PUMP 2B	operasikan (standby)	
ATOR FEED PUMP 2A	operasikan (standby)	
ATOR FEED PUMP 2B	operasikan (standby)	
VATER DISCHARGE PUMP 2A	operasikan (standby)	
VATER DISCHARGE PUMP 2B	operasikan (standby)	

Mengetahui : OPERATOR

SpSenior LAU Sp.OPA 1-4 C

IRWAN SUBANDI NURHASAN

)0	
KONDISI	
II	III
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
) CONV 5	
SB	*SB*
RUN	*RUN*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SOBEK	
SB	*SB*
SB	*SB*
SB	*SB*
) CONV 8	
SB	*SB*
RUN	*RUN*
N	*N*
N	*N*
N	*N*
N	*N*
N	*N*

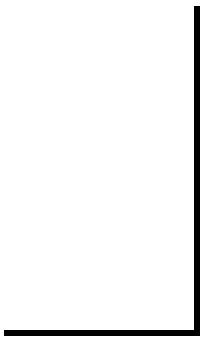
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***

CONV 1B

N	***N***

LOKAL

SUDARSO



INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN BOTTOM ASH SYSTEM
ASH HANDLING UNIT 3

TANGGAL	1-Mar-18	UNIT	
SHIFT /DINAS	A PAGI KE 1	JAM	

NO	NAMA ALAT	KONDISI I	KONDISI II	KONDISI III	NO	NAMA ALAT
1	SSC				7	CONVEYOR 9A
	Drive Sproket	N	N	N		Motor Penggerak / g
	Gear Box	N	N	N		Pulley-pulley
	Variable speed	N	N	N		Return idler & Suppo
	Guide roll	N	N	N		Carring Idler & Supp
	Chain dan Sackle	N	N	N		Stering & Support
	Fligh bar	N	N	N		Imfact Idler & Suppo
	SWBP	N	N	N		Belt
	Spring tension	N	N	N		Speed sw./Trip wire
	Bak SSC	N	N	N		Scrapper/Skirt Rubb
						Fluide coupling
2	VIBRATING SCREEN	RUN	RUN	RUN		Diverter
	V Belt	N	N	N		Take up / Counter W
	Screen	N	N	N		
	Speed sw.	N	N	N	8	CONVEYOR 10A
						Motor Penggerak / g
3	ASH CRUSHER	RUN	RUN	RUN		Pulley-pulley
	Gear Box	N	N	N		Return idler & Suppo
	Chain	N	N	N		Carring Idler & Supp
	Speed sw.	N	N	N		Stering & Support
	Sproket	N	N	N		Imfact Idler & Suppo
						Belt
4	REFACTORY					Speed sw./Trip wire
	Seal Trough	By Pass				Scrapper/Skirt Rubb
						Fluide coupling
5	LOWER CHUTE / BOTTOM ASH					Diverter
	Chute 1-9	N	N	N		Take up / Counter W
6	CONVEYOR 9B	STOP	STOP	STOP	9	CONVEYOR 11
	Motor Penggerak / gearbox	O/L				Motor Penggerak / g
	Pulley-pulley	SB	SB	SB		Pulley-pulley
	Return idler & Support	SB	SB	SB		Return idler & Suppo
	Carring Idler & Support	SB	SB	SB		Carring Idler & Supp
	Stering & Support	SB	SB	SB		Stering & Support

	Imfact Idler & Support	*SB*	*SB*	*SB*		*Imfact Idler & Suppo*
	Belt	*SB*	*SB*	*SB*		*Belt*
	Speed sw./Trip wire/Warning	*SB*	*SB*	*SB*		*Speed sw./Trip wire*
	Scrapper/Skirt Rubber	*SB*	*SB*	*SB*		*Scrapper/Skirt Rubb*
	Fluide coupling	*SB*	*SB*	*SB*		*Fluide coupling*
	Diverter	*TO CONV 8A*				*Diverter*
	Take up / Counter Weigh	*SB*	*SB*	*SB*		*Take up / Counter V*

Mengetahui :

SpSenior LAU

IRWAN SUBANDI **ARJUNAEDI**

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGOPERASIAN
PERALATAN BOTTOM ASH SYSTEM
UNIT 3

NO	NAMA ALAT	Minggu Ke : I - II - III - IV Hari / TGL : / 1-Mar-18	
1	SSC	HIGH/LOW Speed	
2	SEAL TROUGH	close / open, by pass	
3	LOWER CHUTE/ BOTTOM ASH	close / open	
4	VIBRATING SCREEN	operasikan, test speed sw.	
5	DIVERT. GATE VIB TO CONV. 9A/10A	operasikan, standby	
6	ASH CRUSHER	Reverse, forward	
7	DIVERT. GATE CRUSHER TO CONV.9A/10A	operasikan	
8	CONVEYOR 9A	operasikan (standby)	
9	CONVEYOR 10A	operasikan (standby)	
12	CONVEYOR 11	operasikan (standby)	
13	DIVERT. GATE CONV 11 TO CONV. 9B/10B	operasikan	
14	CONVEYOR 9B	operasikan (standby)	
15	SWBP 3A	operasikan (standby)	
16	SWBP 3B	operasikan (standby)	
17	HYDRO EJECTOR SUPPLY PUMP 3A	operasikan (standby)	
18	HYDRO EJECTOR SUPPLY PUMP 3B	operasikan (standby)	
19	ASH SEPARATOR FEED PUMP 3A	operasikan (standby)	
20	ASH SEPARATOR FEED PUMP 3B	operasikan (standby)	
21	COOLING WATER DISCHARGE PUMP 3A	operasikan (standby)	
22	COOLING WATER DISCHARGE PUMP 3B	operasikan (standby)	

Mengetahui :

SpSenior LAU	**Sp.OPA 1-4 A**
IRWAN SUBANDI	**ARJUNAEDI**

	3		
	07'00 - 15'00		
	KONDISI		
	I	II	III
gearbox	SB	SB	SB
	SB	SB	SB
ort	SB	SB	SB
port	SB	SB	SB
	SB	SB	SB
ort	SB	SB	SB
	SB	SB	SB
/Warning	SB	SB	SB
ber	SB	SB	SB
	SB	SB	SB
	TO CONV 9B		
Weigh	SB	SB	SB
	RUN	RUN	RUN
gearbox	N	N	N
	N	N	N
ort	N	N	N
port	N	N	N
	N	N	N
ort	N	N	N
	N	N	N
/Warning	N	N	N
ber	N	N	N
	N	N	N
	TO CONV 10B		
Weigh	N	N	N
	STOP	STOP	STOP
gearbox	SB	SB	SB
	SB	SB	SB
ort	SB	SB	SB
port	SB	SB	SB
	SB	SB	SB

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN BOT
ASH HANDLING U

TANGGAL		1-Mar-18	
SHIFT /DINAS	B		SIANG KE

NO	NAMA ALAT	KONDIS	
		I	II
1	SSC		
	Drive Sproket	N	N
	Gear Box	N	N
	Variable speed	N	N
	Guide roll	N	N
	Chain dan Sackle	N	N
	Fligh bar	N	N
	SWBP	N	N
	Spring tension	N	N
	Bak SSC	N	N
2	VIBRATING SCREEN	RUN	RUN
	V Belt	N	N
	Screen	N	N
	Speed sw.	N	N
3	ASH CRUSHER	RUN	RUN
	Gear Box	N	N
	Chain	N	N
	Speed sw.	N	N
	Sproket	N	N
4	REFACTORY		
	Seal Trough	By Pass	
5	LOWER CHUTE / BOTTOM ASH		
	Chute 1-9	N	N
6	CONVEYOR 9B	STOP	STOP
	Motor Penggerak / gearbox		O/L
	Pulley-pulley	SB	SB
	Return idler & Support	SB	SB
	Carring Idler & Support	SB	SB
	Stering & Support	SB	SB

ort	SB	SB	SB
	SB	SB	SB
/Warning	SB	SB	SB
ber	SB	SB	SB
	SB	SB	SB
	TO CONV 10B		
Veigh	SB	SB	SB

	Imfact Idler & Support	SB	SB
	Belt	SB	SB
	Speed sw./Trip wire/Warning	SB	SB
	Scrapper/Skirt Rubber	SB	SB
	Fluide coupling	SB	SB
	Diverter	TO CONV	
	Take up / Counter Weigh	SB	SB

OPERATOR LOKAL

SUKARDJO

Mengetahui :

SpSenior LAU

IRWAN SUBANDI

Sp.O

AGU

KETERANGAN

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGC
PERALATAN BOTTOM A
UNIT 3

NO	NAMA ALAT	Minggu Ke : / Hari / TGL :
1	SSC	HIGH/LOW
2	SEAL TROUGH	close / ope
3	LOWER CHUTE/ BOTTOM ASH	close / ope
4	VIBRATING SCREEN	operasikan
5	DIVERT. GATE VIB TO CONV. 9A/10A	operasikan
6	ASH CRUSHER	Reverse, fc
7	DIVERT. GATE CRUSHER TO CONV.9A/10A	operasikan
8	CONVEYOR 9A	operasikan
9	CONVEYOR 10A	operasikan
12	CONVEYOR 11	operasikan
13	DIVERT. GATE CONV 11 TO CONV. 9B/10B	operasikan
14	CONVEYOR 9B	operasikan
15	SWBP 3A	operasikan
16	SWBP 3B	operasikan
17	HYDRO EJECTOR SUPPLY PUMP 3A	operasikan
18	HYDRO EJECTOR SUPPLY PUMP 3B	operasikan
19	ASH SEPARATOR FEED PUMP 3A	operasikan
20	ASH SEPARATOR FEED PUMP 3B	operasikan
21	COOLING WATER DISCHARGE PUMP 3A	operasikan
22	COOLING WATER DISCHARGE PUMP 3B	operasikan

OPERATOR LOKAL

Mengetahui :

SpSenior LAU **Sp.O**

IRWAN SUBANDI **AGU**

TOM ASH SYSTEM
JNIT 3

	UNIT	3			TANGGAL	
1	JAM	15'00 - 22'00			SHIFT /DINAS	
I	NO	NAMA ALAT	KONDISI		NO	
III			I	II III		
	7	CONVEYOR 9A			1	SSC
N		Motor Penggerak / gearbox	SB	SB SB		Drive
N		Pulley-pulley	SB	SB SB		Gear
N		Return idler & Support	SB	SB SB		Varia
N		Carring Idler & Support	SB	SB SB		Guid
N		Stering & Support	SB	SB SB		Chai
N		Imfact Idler & Support	SB	SB SB		Fligh
N		Belt	SB	SB SB		SWB
N		Speed sw./Trip wire/Warning	SB	SB SB		Sprin
N		Scrapper/Skirt Rubber	SB	SB SB		Bak
		Fluide coupling	SB	SB SB		
RUN		Diverter	TO CONV 9B		2	VIBRATI
N		Take up / Counter Weigh	SB	SB SB		V Be
N						Scre
N	8	CONVEYOR 10A	RUN	RUN RUN		Spee
		Motor Penggerak / gearbox	N	N N		
RUN		Pulley-pulley	N	N N	3	ASH CRU
N		Return idler & Support	N	N N		Gear
N		Carring Idler & Support	N	N N		Chai
N		Stering & Support	N	N N		Spee
N		Imfact Idler & Support	N	N N		Spro
		Belt	N	N N		
		Speed sw./Trip wire/Warning	N	N N	4	REFACT
		Scrapper/Skirt Rubber	N	N N		Seal
		Fluide coupling	N	N N		
		Diverter	TO CONV 10B		5	LOWER
N		Take up / Counter Weigh	N	N N		Chut
STOP	9	CONVEYOR 11	STOP	STOP STOP	6	CONVEY
		Motor Penggerak / gearbox	SB	SB SB		Moto
SB		Pulley-pulley	SB	SB SB		Pulle
SB		Return idler & Support	SB	SB SB		Retu
SB		Carring Idler & Support	SB	SB SB		Carri
SB		Stering & Support	SB	SB SB		Steri

SB		Imfact Idler & Support	SB	SB	SB
SB		Belt	SB	SB	SB
SB		Speed sw./Trip wire/Warning	SB	SB	SB
SB		Scrapper/Skirt Rubber	SB	SB	SB
SB		Fluide coupling	SB	SB	SB
8A		Diverter	TO CONV 10B		
SB		Take up / Counter Weigh	SB	SB	SB

OPERATOR LOKAL

PA 1-4 B

S SALIM

HAERUL AMRI

OPERASIAN
ASH SYSTEM

I - II - III - IV / 1-Mar-18	KETERANGAN
/ Speed	
en, by pass	
en	
, test speed sw.	
, standby	
orward	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	

NO	NAMA
1	SSC
2	SEAL TROU
3	LOWER CH
4	VIBRATING
5	DIVERT. GA
6	ASH CRUSH
7	DIVERT. GA
8	CONVEYOR
9	CONVEYOR
12	CONVEYOR
13	DIVERT. GA
14	CONVEYOR
15	SWBP 3A
16	SWBP 3B
17	HYDRO EJE
18	HYDRO EJE
19	ASH SEPAR
20	ASH SEPAR
21	COOLING W
22	COOLING W

OPERATOR LOKAL

PA 1-4 B

S SALIM

CHECK LIST PERALATAN BOTTOM ASH SYSTEM
ASH HANDLING UNIT 3

	1-Mar-18	UNIT	3
	C MALAM KE 1	JAM	22'00 - 07'0

NAMA ALAT	KONDISI			NO	NAMA ALAT	K
	I	II	III			I
				7	CONVEYOR 9A	
e Sproket	N	N	N		Motor Penggerak / gearbox	SB
· Box	N	N	N		Pulley-pulley	SB
able speed	N	N	N		Return idler & Support	SB
le roll	N	N	N		Carring Idler & Support	SB
n dan Sackle	N	N	N		Stering & Support	SB
h bar	N	N	N		Imfact Idler & Support	SB
BP	N	N	N		Belt	SB
ng tension	N	N	N		Speed sw./Trip wire/Warning	SB
SSC	N	N	N		Scrapper/Skirt Rubber	SB
					Fluide coupling	SB
NG SCREEN	RUN	RUN	RUN		Diverter	TO
lt	N	N	N		Take up / Counter Weigh	SB
en	N	N	N			
d sw.	N	N	N	8	CONVEYOR 10A	RUN
					Motor Penggerak / gearbox	N
SHER	RUN	RUN	RUN		Pulley-pulley	N
· Box	N	N	N		Return idler & Support	N
n	N	N	N		Carring Idler & Support	N
d sw.	N	N	N		Stering & Support	N
ket	N	N	N		Imfact Idler & Support	N
					Belt	N
ORY					Speed sw./Trip wire/Warning	N
Trough	By Pass				Scrapper/Skirt Rubber	N
					Fluide coupling	N
CHUTE / BOTTOM ASH					Diverter	TO
e 1-9	N	N	N		Take up / Counter Weigh	N
OR 9B	STOP	STOP	STOP	9	CONVEYOR 11	STOP
or Penggerak / gearbox	O/L				Motor Penggerak / gearbox	SB
ey-pulley	SB	SB	SB		Pulley-pulley	SB
rn idler & Support	SB	SB	SB		Return idler & Support	SB
ing Idler & Support	SB	SB	SB		Carring Idler & Support	SB
ng & Support	SB	SB	SB		Stering & Support	SB

ct Idler & Support	*SB*	*SB*	*SB*		*Imfact Idler & Support*	*SB*
	SB	*SB*	*SB*		*Belt*	*SB*
d sw./Trip wire/Warning	*SB*	*SB*	*SB*		*Speed sw./Trip wire/Warning*	*SB*
pper/Skirt Rubber	*SB*	*SB*	*SB*		*Scrapper/Skirt Rubber*	*SB*
le coupling	*SB*	*SB*	*SB*		*Fluide coupling*	*SB*
rter	*TO CONV 8A*				*Diverter*	*TO*
e up / Counter Weigh	*SB*	*SB*	*SB*		*Take up / Counter Weigh*	*SB*

Mengetahui : **OPERATOR**

SpSenior LAU **Sp.OPA 1-4 C**

IRWAN SUBANDI **NURHASAN** **HAFIYUN**

ONESIA
WER
URALAYA

PELAKSANAAN PENGOPERASIAN
PERALATAN BOTTOM ASH SYSTEM
UNIT 3

A ALAT	Minggu Ke : I - II - III - IV Hari / TGL : / 1-Mar-18	KETERANGAN
	HIGH/LOW Speed	
IGH	close / open, by pass	
UTE/ BOTTOM ASH	close / open	
SCREEN	operasikan, test speed sw.	
ATE VIB TO CONV. 9A/10A	operasikan, standby	
HER	Reverse, forward	
ATE CRUSHER TO CONV.9A/10A	operasikan	
R 9A	operasikan (standby)	
R 10A	operasikan (standby)	
R 11	operasikan (standby)	
ATE CONV 11 TO CONV. 9B/10B	operasikan	
R 9B	operasikan (standby)	
	operasikan (standby)	
	operasikan (standby)	
CTOR SUPPLY PUMP 3A	operasikan (standby)	
CTOR SUPPLY PUMP 3B	operasikan (standby)	
ATOR FEED PUMP 3A	operasikan (standby)	
ATOR FEED PUMP 3B	operasikan (standby)	
WATER DISCHARGE PUMP 3A	operasikan (standby)	
WATER DISCHARGE PUMP 3B	operasikan (standby)	

Mengetahui : **OPERATOR**

SpSenior LAU **Sp.OPA 1-4 C**

IRWAN SUBANDI **NURHASAN**

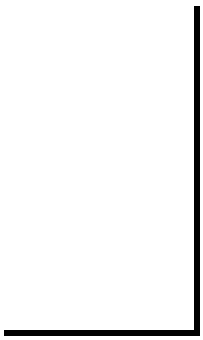
)0	
KONDISI	
II	III
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
CONV 9B	
SB	*SB*
RUN	*RUN*
N	*N*
N	*N*
N	*N*
N	*N*
N	*N*
N	*N*
N	*N*
N	*N*
N	*N*
N	*N*
CONV 10B	
N	*N*
STOP	*STOP*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*

SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*
SB	*SB*

CONV 10B

SB	*SB*

LOKAL



INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN BOTTOM ASH SYSTEM
ASH HANDLING UNIT 4

TANGGAL	1-Mar-18	UNIT	
SHIFT /DINAS	A PAGI KE 1	JAM	

NO	NAMA ALAT	KONDISI I	KONDISI II	KONDISI III	NO	NAMA ALAT
1	SSC				7	CONVEYOR 13
	Drive Sproket	N	N	N		Motor Penggerak / g
	Gear Box	N	N	N		Pulley-pulley
	Variable speed	N	N	N		Return idler & Suppo
	Guide roll	N	N	N		Carring Idler & Supp
	Chain dan Sackle	N	N	N		Stering & Support
	Fligh bar	N	N	N		Imfact Idler & Suppo
	SWBP	N	N	N		Belt
	Spring tension	N	N	N		Speed sw./Trip wire
	Bak SSC	N	N	N		Scrapper/Skirt Rubb
						Fluide coupling
2	VIBRATING SCREEN	RUN	RUN	RUN		Diverter
	V Belt	N	N	N		Take up / Counter W
	Screen	N	N	N		
	Speed sw.	N	N	N	8	CONVEYOR 14
						Motor Penggerak / g
3	ASH CRUSHER	RUN	RUN	RUN		Pulley-pulley
	Gear Box	N	N	N		Return idler & Suppo
	Chain	N	N	N		Carring Idler & Supp
	Speed sw.	N	N	N		Stering & Support
	Sproket	N	N	N		Imfact Idler & Suppo
						Belt
4	REFACTORY					Speed sw./Trip wire
	Seal Trough	By Pass				Scrapper/Skirt Rubb
						Fluide coupling
5	LOWER CHUTE / BOTTOM ASH					Diverter
	Chute 1-9	N	N	N		Take up / Counter W
6	CONVEYOR 10B	RUN	RUN	RUN	9	CONVEYOR 12
	Motor Penggerak / gearbox	N	N	N		Motor Penggerak / g
	Pulley-pulley	N	N	N		Pulley-pulley
	Return idler & Support	N	N	N		Return idler & Suppo
	Carring Idler & Support	N	N	N		Carring Idler & Supp
	Stering & Support	N	N	N		Stering & Support

	Imfact Idler & Support	*N*	*N*	*N*		*Imfact Idler & Suppo*
	Belt	*N*	*N*	*N*		*Belt*
	Speed sw./Trip wire/Warning	*N*	*N*	*N*		*Speed sw./Trip wire*
	Scrapper/Skirt Rubber	*N*	*N*	*N*		*Scrapper/Skirt Rubb*
	Fluide coupling	*N*	*N*	*N*		*Fluide coupling*
	Diverter	*TO CONV 8A*				*Diverter*
	Take up / Counter Weigh	*N*	*N*	*N*		*Take up / Counter V*

Mengetahui :

SpSenior LAU ***Sp.LAU 14 C***

IRWAN SUBANDI NURHASAN

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGOPERASIAN
PERALATAN BOTTOM ASH SYSTEM
UNIT 4

NO	NAMA ALAT	Minggu Ke : I - II - III - IV Hari / TGL : / 6-Jan-16	
1	SSC	HIGH/LOW Speed	
2	SEAL TROUGH	close / open, by pass	
3	LOWER CHUTE/ BOTTOM ASH	close / open	
4	VIBRATING SCREEN	operasikan, test speed sw.	
5	DIVERT. GATE VIB TO CONV. 13 / 14	operasikan, standby	
6	ASH CRUSHER	Reverse, forward	
7	DIVERT. GATE CRUSHER TO CONV. 13/14	operasikan	
8	CONVEYOR 13	operasikan (standby)	
9	CONVEYOR 14	operasikan (standby)	
12	CONVEYOR 12	operasikan (standby)	
13	DIVERT. GATE CONV 12 TO CONV. 9B/10B	operasikan	
14	CONVEYOR 10B	operasikan (standby)	
15	SWBP 4A	operasikan (standby)	
16	SWBP 4B	operasikan (standby)	
17	HYDRO EJECTOR SUPPLY PUMP 4A	operasikan (standby)	
18	HYDRO EJECTOR SUPPLY PUMP 4B	operasikan (standby)	
19	ASH SEPARATOR FEED PUMP 4A	operasikan (standby)	
20	ASH SEPARATOR FEED PUMP 4B	operasikan (standby)	
21	COOLING WATER DISCHARGE PUMP 4A	operasikan (standby)	
22	COOLING WATER DISCHARGE PUMP 4B	operasikan (standby)	

Mengetahui :

SpSenior LAU	Sp.OPA 1-4 C
IRWAN SUBANDI	ARJUNAEDI

	4		
	07'00 - 15'00		
	KONDISI		
	I	II	III
gearbox	SB	SB	SB
	SB	SB	SB
ort	SB	SB	SB
port	SB	SB	SB
	SB	SB	SB
ort	SB	SB	SB
	SB	SB	SB
/Warning	SB	SB	SB
ber	SB	SB	SB
	SB	SB	SB
	TO CONV 8A		
Weigh	SB	SB	SB
	RUN	RUN	RUN
gearbox	N	N	N
	N	N	N
ort	N	N	N
port	N	N	N
	N	N	N
ort	N	N	N
	N	N	N
/Warning	N	N	N
ber	N	N	N
	N	N	N
	TO CONV 12		
Weigh	N	N	N
	RUN	RUN	RUN
gearbox	N	N	N
	N	N	N
ort	N	N	N
port	N	N	N
	N	N	N

INDONESIA POWER UP SURALAYA

CHECK LIST PERALATAN BOTT
ASH HANDLING U

TANGGAL		1-Mar-18	
SHIFT /DINAS		B	SIANG KE

NO	NAMA ALAT	KONDIS	
		I	II
1	SSC		
	Drive Sproket	N	N
	Gear Box	N	N
	Variable speed	N	N
	Guide roll	N	N
	Chain dan Sackle	N	N
	Fligh bar	N	N
	SWBP	N	N
	Spring tension	N	N
	Bak SSC	N	N
2	VIBRATING SCREEN	RUN	RUN
	V Belt	N	N
	Screen	N	N
	Speed sw.	N	N
3	ASH CRUSHER	RUN	RUN
	Gear Box	N	N
	Chain	N	N
	Speed sw.	N	N
	Sproket	N	N
4	REFACTORY		
	Seal Trough	By Pass	
5	LOWER CHUTE / BOTTOM ASH		
	Chute 1-9	N	N
6	CONVEYOR 10B	RUN	RUN
	Motor Penggerak / gearbox	N	N
	Pulley-pulley	N	N
	Return idler & Support	N	N
	Carring Idler & Support	N	N
	Stering & Support	N	N

ort	*N*	*N*	*N*
	N	*N*	*N*
/Warning	*N*	*N*	*N*
ber	*N*	*N*	*N*
	N	*N*	*N*
	TO CONV 8A		
Veigh	*N*	*N*	*N*

	Imfact Idler & Support	*N*	*N*
	Belt	*N*	*N*
	Speed sw./Trip wire/Warning	*N*	*N*
	Scrapper/Skirt Rubber	*N*	*N*
	Fluide coupling	*N*	*N*
	Diverter	*TO CONV*	
	Take up / Counter Weigh	*N*	*N*

OPERATOR LOKAL

BAMBANG SUWIGNYA

Mengetahui :

SpSenior LAU — Sp.O

IRWAN SUBANDI — AGU

KETERANGAN

INDONESIA POWER UP SURALAYA

PELAKSANAAN PENGC
PERALATAN BOTTOM A
UNIT 4

NO	NAMA ALAT	Minggu Ke : Hari / TGL :
1	SSC	HIGH/LOW
2	SEAL TROUGH	close / ope
3	LOWER CHUTE/ BOTTOM ASH	close / ope
4	VIBRATING SCREEN	operasikan
5	DIVERT. GATE VIB TO CONV. 13 / 14	operasikan
6	ASH CRUSHER	Reverse, fc
7	DIVERT. GATE CRUSHER TO CONV. 13/14	operasikan
8	CONVEYOR 13	operasikan
9	CONVEYOR 14	operasikan
12	CONVEYOR 12	operasikan
13	DIVERT. GATE CONV 12 TO CONV. 9B/10B	operasikan
14	CONVEYOR 10B	operasikan
15	SWBP 4A	operasikan
16	SWBP 4B	operasikan
17	HYDRO EJECTOR SUPPLY PUMP 4A	operasikan
18	HYDRO EJECTOR SUPPLY PUMP 4B	operasikan
19	ASH SEPARATOR FEED PUMP 4A	operasikan
20	ASH SEPARATOR FEED PUMP 4B	operasikan
21	COOLING WATER DISCHARGE PUMP 4A	operasikan
22	COOLING WATER DISCHARGE PUMP 4B	operasikan

OPERATOR LOKAL

Mengetahui :

SpSenior LAU Sp.O

IRWAN SUBANDI AGU

TOM ASH SYSTEM
JNIT 4

	UNIT	4			TANGGAL	
1	JAM	15'00 - 22'00			SHIFT /DINAS	
I	NO	NAMA ALAT	KONDISI			NO
III			I	II	III	
	7	CONVEYOR 13				1
N		Motor Penggerak / gearbox	SB	SB	SB	
N		Pulley-pulley	SB	SB	SB	
N		Return idler & Support	SB	SB	SB	
N		Carring Idler & Support	SB	SB	SB	
N		Stering & Support	SB	SB	SB	
N		Imfact Idler & Support	SB	SB	SB	
N		Belt	SB	SB	SB	
N		Speed sw./Trip wire/Warning	SB	SB	SB	
N		Scrapper/Skirt Rubber	SB	SB	SB	
		Fluide coupling	SB	SB	SB	
RUN		Diverter	TO CONV 8A			2
N		Take up / Counter Weigh	SB	SB	SB	
N						
N	8	CONVEYOR 14	RUN	RUN	RUN	
		Motor Penggerak / gearbox	N	N	N	
RUN		Pulley-pulley	N	N	N	3
N		Return idler & Support	N	N	N	
N		Carring Idler & Support	N	N	N	
N		Stering & Support	N	N	N	
N		Imfact Idler & Support	N	N	N	
		Belt	N	N	N	
		Speed sw./Trip wire/Warning	N	N	N	4
		Scrapper/Skirt Rubber	N	N	N	
		Fluide coupling	N	N	N	
		Diverter	TO CONV 12			5
N		Take up / Counter Weigh	N	N	N	
RUN	9	CONVEYOR 12	RUN	RUN	RUN	6
N		Motor Penggerak / gearbox	N	N	N	
N		Pulley-pulley	N	N	N	
N		Return idler & Support	N	N	N	
N		Carring Idler & Support	N	N	N	
N		Stering & Support	N	N	N	

N		*Imfact Idler & Support*	*N*	*N*	*N*
N		*Belt*	*N*	*N*	*N*
N		*Speed sw./Trip wire/Warning*	*N*	*N*	*N*
N		*Scrapper/Skirt Rubber*	*N*	*N*	*N*
N		*Fluide coupling*	*N*	*N*	*N*
' 8A		*Diverter*	*TO CONV 8A*		
N		*Take up / Counter Weigh*	*N*	*N*	*N*

OPERATOR LOKAL

PA 1-4 B

S SALIM

HAERUL AMRI

OPERASIAN
ASH SYSTEM

I - II - III - IV / 1-Mar-18	KETERANGAN
' Speed	
n, by pass	
n	
, test speed sw.	
, standby	
rward	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	
(standby)	

NO	NAMA
1	SSC
2	SEAL TROU
3	LOWER CH
4	VIBRATING
5	DIVERT. GA
6	ASH CRUSH
7	DIVERT. GA
8	CONVEYOR
9	CONVEYOR
12	CONVEYOR
13	DIVERT. GA
14	CONVEYOR
15	SWBP 4A
16	SWBP 4B
17	HYDRO EJE
18	HYDRO EJE
19	ASH SEPAR
20	ASH SEPAR
21	COOLING V
22	COOLING V

OPERATOR LOKAL

PA 1-4 B

S SALIM

CHECK LIST PERALATAN BOTTOM ASH SYSTEM
ASH HANDLING UNIT 4

	1-Mar-18	UNIT	4
	C MALAM KE 1	JAM	22'00 - 07'0

NAMA ALAT	KONDISI			NO	NAMA ALAT	
	I	II	III			I
				7	CONVEYOR 13	
e Sproket	N	N	N		Motor Penggerak / gearbox	SB
· Box	N	N	N		Pulley-pulley	SB
able speed	N	N	N		Return idler & Support	SB
le roll	N	N	N		Carring Idler & Support	SB
n dan Sackle	N	N	N		Stering & Support	SB
h bar	N	N	N		Imfact Idler & Support	SB
BP	N	N	N		Belt	SB
ng tension	N	N	N		Speed sw./Trip wire/Warning	SB
SSC	N	N	N		Scrapper/Skirt Rubber	SB
					Fluide coupling	SB
NG SCREEN	RUN	RUN	RUN		Diverter	TO
lt	N	N	N		Take up / Counter Weigh	SB
en	N	N	N			
d sw.	N	N	N	8	CONVEYOR 14	RUN
					Motor Penggerak / gearbox	N
SHER	RUN	RUN	RUN		Pulley-pulley	N
· Box	N	N	N		Return idler & Support	N
n	N	N	N		Carring Idler & Support	N
d sw.	N	N	N		Stering & Support	N
ket	N	N	N		Imfact Idler & Support	N
					Belt	N
ORY					Speed sw./Trip wire/Warning	N
Trough	By Pass				Scrapper/Skirt Rubber	N
					Fluide coupling	N
CHUTE / BOTTOM ASH					Diverter	TO
e 1-9	N	N	N		Take up / Counter Weigh	N
OR 10B	RUN	RUN	RUN	9	CONVEYOR 12	RUN
or Penggerak / gearbox	N	N	N		Motor Penggerak / gearbox	N
ey-pulley	N	N	N		Pulley-pulley	N
rn idler & Support	N	N	N		Return idler & Support	N
ing Idler & Support	N	N	N		Carring Idler & Support	N
ng & Support	N	N	N		Stering & Support	N

ct Idler & Support	*N*	*N*	*N*		*Imfact Idler & Support*	*N*
	N	*N*	*N*		*Belt*	*N*
d sw./Trip wire/Warning	*N*	*N*	*N*		*Speed sw./Trip wire/Warning*	*N*
pper/Skirt Rubber	*N*	*N*	*N*		*Scrapper/Skirt Rubber*	*N*
le coupling	*N*	*N*	*N*		*Fluide coupling*	*N*
rter	*TO CONV 8A*				*Diverter*	*TO*
e up / Counter Weigh	*N*	*N*	*N*		*Take up / Counter Weigh*	*N*

Mengetahui : OPERATOR

SpSenior LAU Sp.OPA 1-4 C

IRWAN SUBANDI NURHASAN HAFIYUN

NESIA
NER
URALAYA

PELAKSANAAN PENGOPERASIAN
PERALATAN BOTTOM ASH SYSTEM
UNIT 4

A ALAT	Minggu Ke : I - II - III - IV Hari / TGL : / 1-Mar-18	KETERANGAN
	HIGH/LOW Speed	
GH	close / open, by pass	
UTE/ BOTTOM ASH	close / open	
SCREEN	operasikan, test speed sw.	
TE VIB TO CONV. 13 / 14	operasikan, standby	
IER	Reverse, forward	
TE CRUSHER TO CONV. 13/14	operasikan	
13	operasikan (standby)	
14	operasikan (standby)	
12	operasikan (standby)	
TE CONV 12 TO CONV. 9B/10B	operasikan	
10B	operasikan (standby)	
	operasikan (standby)	
	operasikan (standby)	
CTOR SUPPLY PUMP 4A	operasikan (standby)	
CTOR SUPPLY PUMP 4B	operasikan (standby)	
ATOR FEED PUMP 4A	operasikan (standby)	
ATOR FEED PUMP 4B	operasikan (standby)	
VATER DISCHARGE PUMP 4A	operasikan (standby)	
VATER DISCHARGE PUMP 4B	operasikan (standby)	

Mengetahui : OPERATOR

SpSenior LAU Sp.OPA 1-4 C

IRWAN SUBANDI NURHASAN

)0	
KONDISI	
II	III
SB	***SB***
SB	***SB***
SB	***SB***
SB	***SB***
SB	***SB***
SB	***SB***
SB	***SB***
SB	***SB***
SB	***SB***
SB	***SB***
CONV 8A	
SB	***SB***
RUN	***RUN***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***
CONV 12	
N	***N***
RUN	***RUN***
N	***N***
N	***N***
N	***N***
N	***N***
N	***N***

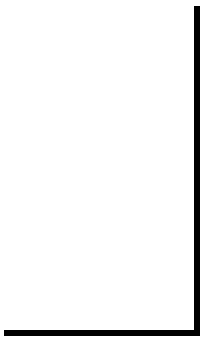
N	*N*
N	*N*
N	*N*
N	*N*
N	*N*

CONV 8A

N	*N*

: LOKAL

N



INDONESIA POWER
UP SURALAYA

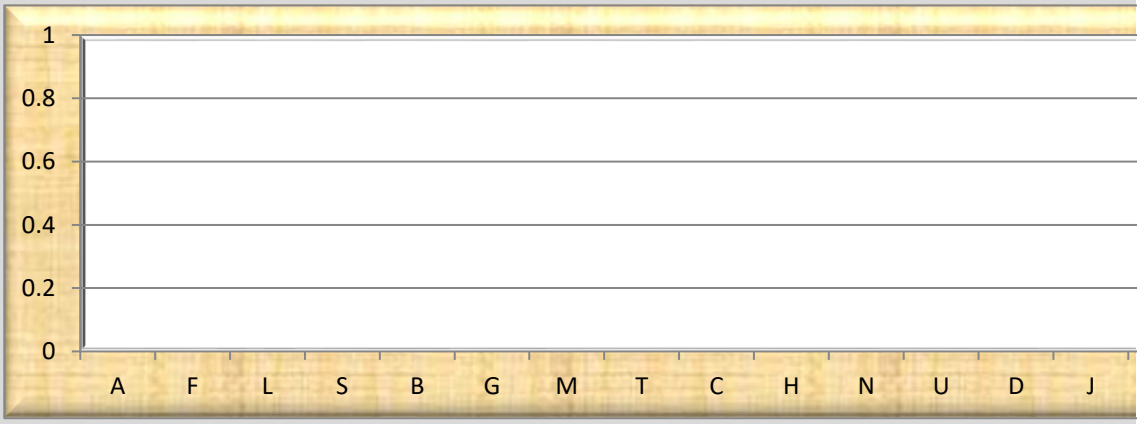
KONDISI ASH HANDLING SY

REGU : D	DINAS : MALAM KE 2	JAM : 22.00 - 07.00

PERALATAN		UNIT 1	UNIT 2
ASH SYST	EP TR	*MAIN UNIT STOP O/H*	*FL (INTERNAL)* *A (Alarm DC volt l*
	DRM / CRM / RM	*STOP O/H*	*DRM NO 3,9 overl* *RM NO 25 (Poros rappi* *6 20 28 38 (Intern* *RM NO:18 Isolator p*
	TRANSPORTER	*STOP O/H*	*FLM (abu kasar), BG EK* *kesilo beton) to silo*
	Dust Handling Air Fan A/B	*STOP O/H*	*2A Stand by* *2B Normal opera*
	Dust Conditioner A/B	*STOP O/H*	*2A Stanby* *2B Normal opera*
	AIR COMPRESOR	*1A SB* *1B NSB* *1C (Screw Nois)* *1D SB*	*2A Normal Opera* *2B Normal Opera* *2C Normal Opera*
OTTOM AS SYSTEM	SSC	*STOP O/H*	*NORMAL OPERA*
	VIBRATING SCREEN	*STOP O/H*	*NORMAL OPERA*
	CRUSHER	*STOP O/H*	*NORMAL OPERA*
	CONVEYOR	*CONV 1A, 5 Carring tidak lengkap,*	*Emergency Mobil conv in* *Conv 2B Belt sobek & Be* *dipindah ke conveyo* *CONV 4 Carring tidak*
	SWBP	*STOP O/H*	*NORMAL OPERA*
	DDCC SYSTEM	*STOP O/H*	*Hopper Normal*
	MILL	A / B / C / D / E	A / B / C / D / E
SIL PRODU	BEBAN MW	-	
	BATU BARA /TON/HARI	-	
	ASAL BATU BARA	*campuran*	*campuran*
	BOTTOM ASH TON	-	

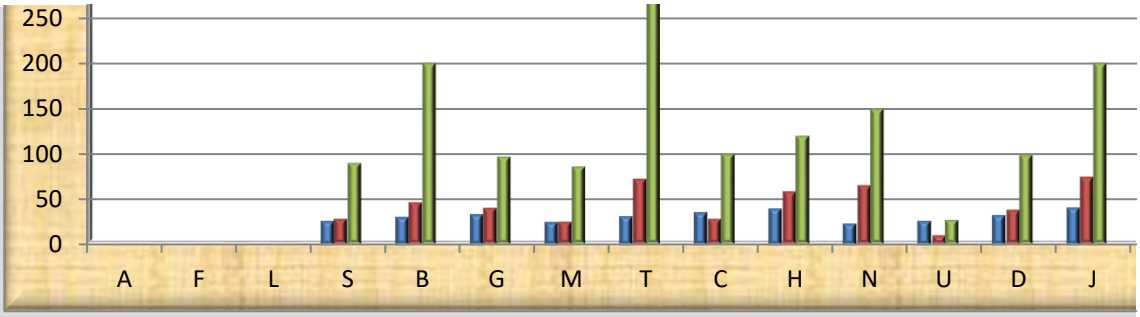
	FLY ASH TON	-	
LO KALEN	COMMONT	*SILO KALENG A*	
	LEVEL SILO KALENG		
	VENT FAN SILO KALENG		
	ROTARY FEEDER		
	DUST UNLOADER		

NO	PARAMETER	A	F	L	S	B	G	M	T	C	H	N	U
1	KV	0	0	0	0	0	0	0	0	0	0	0	0
2	A	O/H	O/H	O/H	O/H	O/H	O/H	O/H	O/H	O/H	O/H	O/H	O/H
3	mA	0	0	0	0	0	0	0	0	0	0	0	0
4	V												



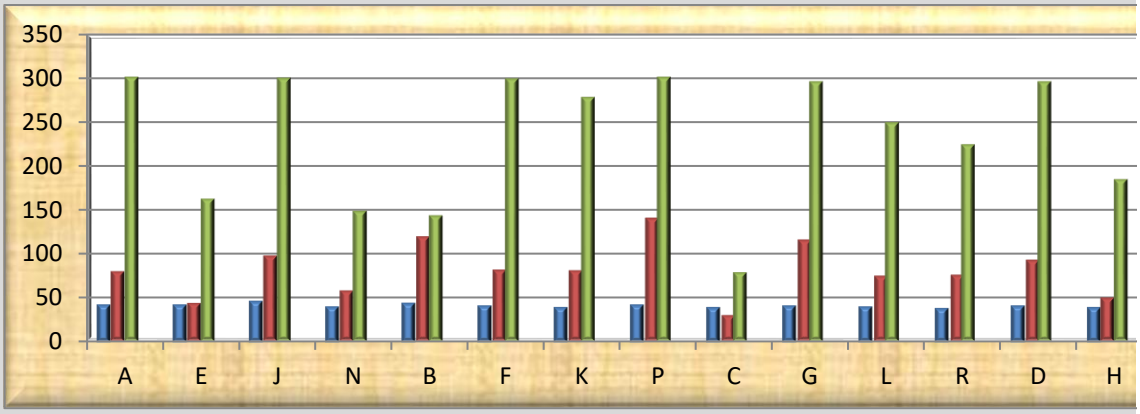
KONDISI EPTR UNIT 2

NO	PARAMETER	A	F	L	S	B	G	M	T	C	H	N	U
1	KV	0	0	0	26	30	33	25	31	35	39	23	26
2	A	0	TERN	TERN	28	46	40	25	72	28	58	65	10
3	mA	0	0	0	90	200	97	86	300	100	120	150	27
4	V												



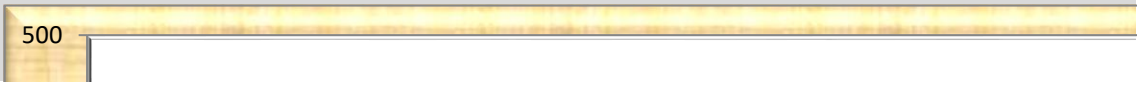
KONDISI EPTR UNIT 3

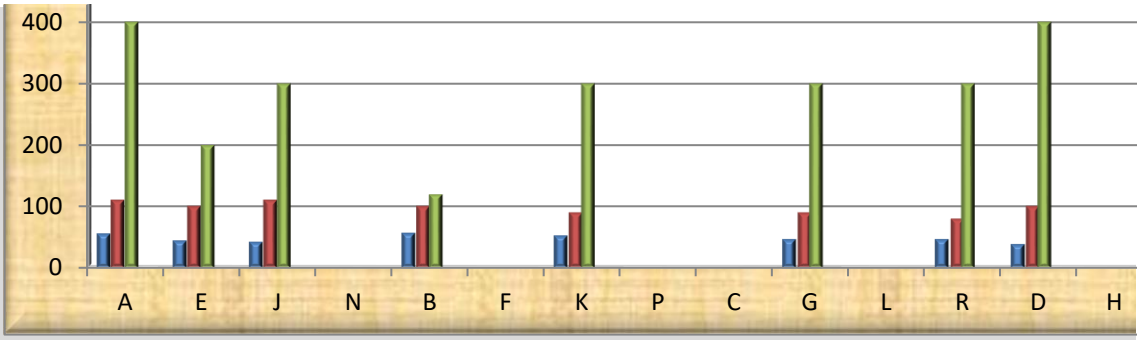
NO	PARAMETER	A	E	J	N	B	F	K	P	C	G	L	R
1	KV	42	42	46	40	44	41	39	42	39	41	40	38
2	A	80	44	98	58	120	82	81	141	30	116	75	76
3	mA	302	163	301	149	144	300	279	302	79	297	250	225
4	V												



KONDISI EPTR UNIT 4

NO	PARAMETER	A	E	J	N	B	F	K	P	C	G	L	R
1	KV	55	44	42	0	56	0	52	0	0	46	0	46
2	A	110	100	110	TERN	100	MP HIG	90	PAR	TERN	90	SPARI	80
3	mA	400	200	300	0	120	0	300	0	0	300	0	300
4	V												





KONDISI COMPRESSOR #1-4

Nama Alat	PRESSURE	TEMPERATUR	Hour Meter	Ampere (I1)	
Compressor 1A	0	0	0	0	
Compressor 1B	0	0	0	0	
Compressor 1C	0	0	0	0	
Compressor 1D	0	0	0	0	
Nama Alat	PRESSURE	TEMPERATUR	Hour Meter	Ampere (I1)	
Compressor 2A	6.4	86	36905	62	
Compressor 2B	6.2	83	17408	62	
Compressor 2C	6	78	39268	63	
Nama Alat	PRESSURE	TEMPERATUR	Hour Meter		
Compressor 3A	7	88			
Compressor 3B	6.5	83	68797		
Compressor 3C	6.5	78	151		
Nama Alat	PRESSURE	TEMPERATUR	Hour Meter		
Compressor 4A	6.8	95	25867		
Compressor 4B	0	0	0		
Compressor 4C	6.8	91	63279		

Mengetahui
Sp.OPA 1-4 C

NURHASAN

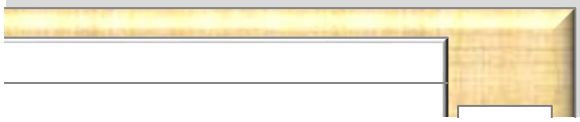
Dilaporkan Oleh
Op.CR-ASH 14

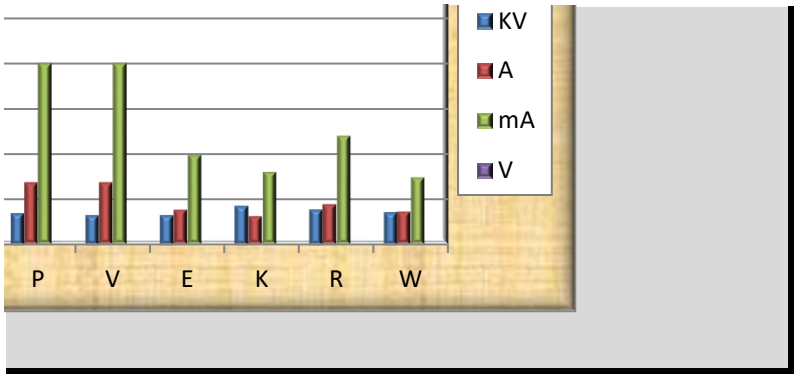
YSTEM #1 - 4		
TANGGAL :	1-Mar-18	
	UNIT 3	UNIT 4
), ow)	NORMAL OPERASI	PHL (Spark) ,CN (Internal) F (Ampere High)
oad ng patan), al) ecah	NORMAL OPERASI	RM 4A6,7, 9,12 dan 4B8,9 ,12 off isolator broken
RW (Blok kaleng	NORMAL OPERASI	N (abu kasar)
	3A Stanby	4A Stanby
si	3B Normal operasi	4B Normal Operasi
	3A Stanby	4A Stanby
si	3B Normal Operasi	4B Normal Operasi
si	3A Normal Operasi	4A Normal Operasi
si	3B Normal Operasi	4B Selang Oil cooler bocor lagi
si	3C Normal Operasi	4C Normal Operasi
ASI	NORMAL OPERASI	NORMAL OPERASI
ASI	NORMAL OPERASI	NORMAL OPERASI
ASI	NORMAL OPERASI	NORMAL OPERASI
otor short, nd pulley or 1R lengkap	CONV 9B Perbaikan Motor CONV 9A, 11 Carring tidak lengkap	NORMAL OPERASI CONV 13 Idler tidak lengkap
ASI	3A Vibrasi	NORMAL OPERASI
	A / B / C / D / E	A / B / C / D / E
386	371	294
5,797.190	4,952.467	4,163.203
	campuran	campuran
46.38	42.08	33.31

176.23	*159.90*	*126.56*
	SILO KALENG B	

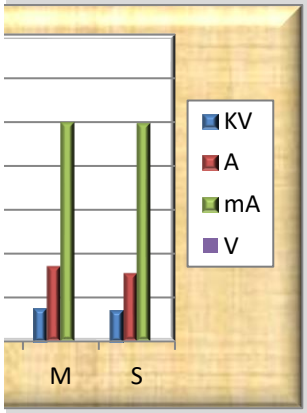
D	J	P	V	E	K	R	W
0	0	0	0	0	0	0	0
O/H	O/H	O/H	O/H	O/H	O/H	O/H	O/H
0	0	0	0	0	0	0	0

D	J	P	V	E	K	R	W
32	40	34	32	32	42	38	35
38	74	68	68	38	31	44	36
99	200	200	200	99	80	120	74

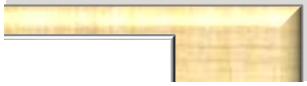


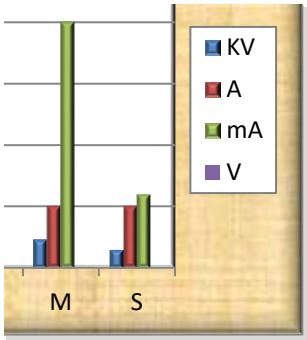


D	H	M	S
41	39	38	36
93	50	86	78
297	185	250	249	



D	H	M	S
38	0	46	30
100	SPARK	100	100
400	0	400	120	





Keterangan
Keterangan
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Keterangan

SHIFT PAGI

NO.	UNIT	BEBAN UNIT (MW)	PEMAKAIAN BATU BARA (TON/SHIFT)	ASH CONTENT (%)	TOTAL ASH (TON/SHIFT)	BOTTOM ASH = 20% (TON/SHIFT)
1	UNIT 1				-	-
2	UNIT 2	394	2,116.715	4	84.669	16.934
3	UNIT 3	345	1,805.670	4	72.227	14.445
4	UNIT 4	277	1,420.446	4	56.818	11.364
JUMLAH		1016	5,342.831		213.713	42.743

SHIFT SIANG

NO.	UNIT	BEBAN UNIT (MW)	PEMAKAIAN BATU BARA (TON/SHIFT)	ASH CONTENT (%)	TOTAL ASH (TON/SHIFT)	BOTTOM ASH = 20% (TON/SHIFT)
1	UNIT 1				-	-
2	UNIT 2	397	1,751.764	4	70.071	14.014
3	UNIT 3	392	1,586.680	4	63.467	12.693
4	UNIT 4	300	1,182.640	4	47.306	9.461
JUMLAH		1089	4,521.084		180.843	36.169

SHIFT MALAM

NO.	UNIT	BEBAN UNIT (MW)	PEMAKAIAN BATU BARA (TON/SHIFT)	ASH CONTENT (%)	TOTAL ASH (TON/SHIFT)	BOTTOM ASH = 20% (TON/SHIFT)
1	UNIT 1				-	-
2	UNIT 2	368	1,928.711	4	77.148	15.430
3	UNIT 3	375	1,867.430	4	74.697	14.939
4	UNIT 4	306	1,560.117	4	62.405	12.481
JUMLAH		1049	5,356.258		214.250	42.850

JUMLAH 24 JAM		3154	15,220.173		608.807	121.761

RATA RATA BEBAN UNIT 1-4 24 JAM	
UNIT 1	0
UNIT 2	386.3333333
UNIT 3	370.6666667
UNIT 4	294.3333333

Berikut adalah rata-rata Ash Contenst (nilai sudah dibulatkan) :

1. BATU BARA BUKIT ASAM : 5%
2. BATU BARA OKTASAN : 4%
3. BATU BARA PLN : 3%
4. BATU BARA ADARO : 2%

5. BATU BARA KIDECO : 3%
6. BATU BARA ADC : 3%
7. BATU BARA BERAU : 5%
8. BATU BARA NATUNA : 3%
9. BATU BARA EEI : 3%

FLY ASH = 80% (TON/SHIFT)	EFFISIENSIEP (%)	FLY ASH TERTANGKAPEPTR (TON/SHIFT)	ROW 1 (TON/SHIFT)	ROW 2 (TON/SHIFT)	ROW 3 (TON/SHIFT)	ROW 4 (TON/SHIFT)
-	95	-	-	-	-	-
67.735	95	64.348	61.131	2.574	0.515	0.103
57.781	95	54.892	52.148	2.470	0.220	0.044
45.454	95	43.182	41.022	1.943	0.173	0.035
170.971		162.422	154.301	6.987	0.907	0.181

FLY ASH = 80% (TON/SHIFT)	EFFISIENSIEP (%)	FLY ASH TERTANGKAPEPTR (TON/SHIFT)	ROW 1 (TON/SHIFT)	ROW 2 (TON/SHIFT)	ROW 3 (TON/SHIFT)	ROW 4 (TON/SHIFT)
-	95	-	-	-	-	-
56.056	95	53.254	50.591	2.130	0.426	0.085
50.774	95	48.235	45.823	2.171	0.193	0.039
37.844	95	35.952	34.155	1.618	0.144	0.029
144.675		137.441	130.569	5.919	0.763	0.153

FLY ASH = 80% (TON/SHIFT)	EFFISIENSIEP (%)	FLY ASH TERTANGKAPEPTR (TON/SHIFT)	ROW 1 (TON/SHIFT)	ROW 2 (TON/SHIFT)	ROW 3 (TON/SHIFT)	ROW 4 (TON/SHIFT)
-	95	-	-	-	-	-
61.719	95	58.633	55.701	2.345	0.469	0.094
59.758	95	56.770	53.931	2.555	0.227	0.045
49.924	95	47.428	45.056	2.134	0.190	0.038
171.400		162.830	154.689	7.034	0.886	0.177

487.046		462.693	439.559	19.940	2.556	0.511

ROW 5 (TON/SHIFT)	TOTAL FLY ASH (TON/SHIFT)	ASH LOSS dari Kinerja EP 95% (TON/SHIFT)
-	-	-
0.021	64.348	3.387
	54.892	2.889
	43.182	2.273
0.021	162.422	8.549

ROW 5 (TON/SHIFT)	TOTAL FLY ASH (TON/SHIFT)	ASH LOSS dari Kinerja EP 95% (TON/SHIFT)
-	-	-
0.017	53.254	2.803
	48.235	2.539
	35.952	1.892
0.017	137.441	7.234

ROW 5 (TON/SHIFT)	TOTAL FLY ASH (TON/SHIFT)	ASH LOSS dari Kinerja EP 95% (TON/SHIFT)
-	-	-
0.019	58.633	3.086
	56.770	2.988
	47.428	2.496
0.019	162.830	8.570

0.056	462.693	24.352