



**LAPORAN PELAKSANAAN DAN PENYELESAIAN PEKERJAAN
LAYANAN *FULL MANAGED SERVICE*
PENGUATAN POWER DATA CENTER
PT. PLN (Persero) KANTOR PUSAT**

SUMMARY

PT. INDONESIA COMNETS PLUS (PLN ICON PLUS) telah melaksanakan kegiatan Pemeliharaan project pengadaan barang dan jasa Pekerjaan Layanan Full Managed Service Penguatan Power Data Center diarea Gedung Trapesium PLN Pusat.

Pelaksanaan preventive maintenance untuk Pekerjaan Layanan Full Managed Service Penguatan Power Data Center dilakukan dengan hati-hati, teliti dan cermat. Tidak hanya terfokus kepada unit panel, tetapi juga terhadap lokasi tempat di mana unit panel berada.

Adapun untuk preventive maintenance untuk Pekerjaan Layanan Full Managed Service Penguatan Power Data Center dilaksanakan dengan hasil sebagai berikut :

1. Dari hasil pengecekan saat preventive maintenance genset, UPS, Battery, panel, komponen panel, connection, lampu indikator panel dalam kondisi normal serta berfungsi dengan baik dan aman.
2. Secara keseluruhan panel masih dalam parameter aman secara pemakaian.
3. Untuk hasil lebih detail dan selengkapnya ada di data checklist masing-masing panel beserta foto dokumentasinya.

Demikian laporan pelaksanaan preventive maintenance untuk Pekerjaan Layanan Full Managed Service Penguatan Power Data Center telah selesai dilaksanakan oleh team dari PT. INDONESIA COMNETS PLUS (PLN ICON PLUS).

Berikut data checklist dan foto dokumentasi yang telah dilakukan preventive maintenance oleh team PT. INDONESIA COMNETS PLUS (PLN ICON PLUS) :

1. Lampiran Genset

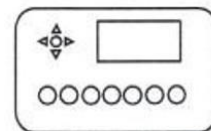
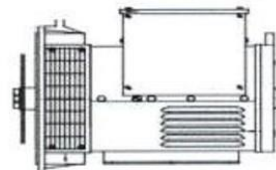
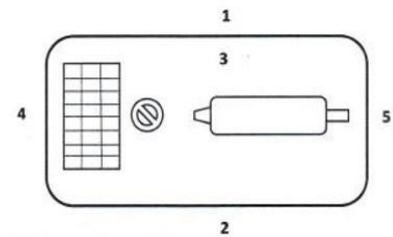
1.1 Inspection Check List Report Genset

INSPECTION CHECK LIST REPORT GENSET				
Genset No 1		Genset Brand : Cummins		
Genset Room :		Genset Serial Number : 41341264		
1	CONTROL PANEL UNIT	STATUS		REMARKS
		Good	Bad	
	a. Display / LCD Module	✓		
	b. Value Display (Hz, Amp, V, Kw, V-Battery, Rpm)	✓		
	c. Oil Press, Coolant Temp, Running Hours	✓		
	d. Frequency Adjuster	✓		
	e. Emergency Stop Switch	✓		
	f. Selector Switch Stop/Reset, Manual, Auto	✓		
	g. Manual Start Button, Key Start	✓		
	h. Common Alarm Indicator	✓		
	i. Genset Run Indicator	✓		
	j. ACB/ MCB Power	✓		
	k. Body/Bolt/Label/Paint	✓		
2	ALTERNATOR UNIT	STATUS		REMARKS
		Good	Bad	
	a. Connection - Cable power	✓		
	b. Fan and Cover	✓		
	c. Body Frame / Bolt / Label / Paint	✓		
	d. Rubber Mounting and Bolt Foundation	✓		
	e. PMG, Bearing, AVR	✓		
3	BATTERY UNIT	STATUS		REMARKS
		Good	Bad	
	a. Cable and Scoon	✓		
	b. Battery Capacity 120 Ah	✓		
	c. Battery Water Level	✓		
	d. Range of Battery 12 V	✓		
	e. Quantity of Battery 2 Unit	✓		
4	RADIATOR UNIT	STATUS		REMARKS
		Good	Bad	
	a. Pipe / Hose	✓		
	b. Core Radiator	✓		
	c. Radiator Unit, Ventilation	✓		
	d. Cover / Body / Bolt / Nuts / Label	✓		
	e. Reservoir Tank	✓		
	f. Level Water (Sigh Gauge)	✓		
	g. Filter / Cap	✓		
	h. Vent Line Connection	✓		
	i. Intercooler	✓		
5	ENGINE UNIT	STATUS		REMARKS
		Good	Bad	
	a. Oil Filter	✓		
	b. Fuel Filter	✓		
	c. Fuel Separator Filter	✓		
	d. Air Filter	✓		
	e. All Sensor Switch	✓		
	f. Injection Pump	✓		
	g. Water Pump	✓		
	h. Turbo Charger	✓		
	i. Solenoid Stop/Run System	✓		
	j. Alternator	✓		
	k. Starting Motor	✓		
	l. Governor	✓		
	m. V Belt	✓		
	n. Fan	✓		
	o. Inlet and Exhaust System	✓		
	p. Engine Body / Cover	✓		
	q. Turning Gear	✓		
	r. All Rubber Hose	✓		
	s. Oil Cooler	✓		
	t. All Bolt and Nut	✓		
	u. Level Oil	✓		
	v. Cylinder Head	✓		
	w. Crankshaft Pulley	✓		
	x. Expandable Base Frame	✓		
6	ELECTRICAL UNIT	STATUS		REMARKS
		Good	Bad	
	a. Cable-cable Power	✓		
	b. Cable Harness	✓		
	c. Plug Cable	✓		
	d. Cable Ties	✓		
	e. Spiral Wrapping Cable	✓		
	f. Skun Cable	✓		
	g. MCB / ACB	✓		
	h. Terminal Blok Cable	✓		
	i. Insulation	✓		
7	MISCELLANEOUS	STATUS		REMARKS
		Good	Bad	
	a. Dayli Tank Cap : 500 Liter	✓		
	b. Monthly Tank Cap : 2000 Liter	✓		
	c. Water Cooling Pipe	✓		
	d. Water Separator	✓		
	e. Exhaust Fan System	✓		
	f. Genset Room	✓		
	g. Panel Control Genset	✓		
	h. Panel ATS / AMF	✓		
	i. Insulation	✓		

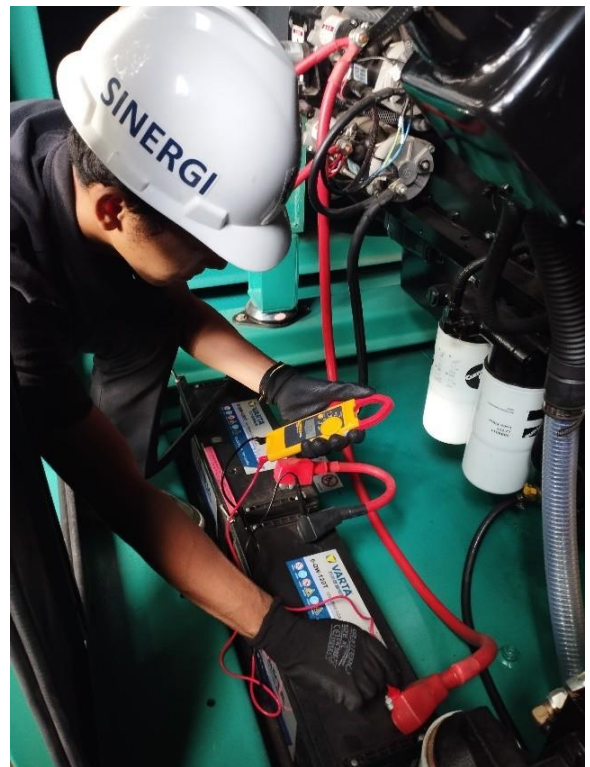
1.2 Genset Inspection Report

GENSET INSPECTION REPORT

DESCRIPTION	
Project Name : Maintenance Monthly Date : 9 Desember 2023 Location Equipment : Gedung Trapesium DC PLN Pusat Customer : PLN	
GENSET EQUIPMENT DATA :	
Genset	Color : Black Condition : Good 1. Left Side : <input checked="" type="checkbox"/> good <input type="checkbox"/> bad 2. Right Side : <input checked="" type="checkbox"/> good <input type="checkbox"/> bad 3. Up Side : <input checked="" type="checkbox"/> good <input type="checkbox"/> bad 4. Front Side : <input checked="" type="checkbox"/> good <input type="checkbox"/> bad 5. Back Side : <input checked="" type="checkbox"/> good <input type="checkbox"/> bad 6. Base Frame : <input checked="" type="checkbox"/> good <input type="checkbox"/> bad Model : Silent Brand : Cummins Genset No. : 1 Note :
Engine	Engine Type : KTA38 - 62B Engine No. : 41341264 Engine Brand : Cummins Capacity : 800 KVA / KW Freq. / Voltage : 380 V / 50 Hz RPM : 1500 RPM Cooling : Radiator Starting : Electric Note :
Generator	Generator Type : SGLID - D41 Generator Brand : STAMFORD Generator Number : X23B054725 PMG : Yes Note :
Panel Control Genset	Modul Brand : Deep Sea Electronics Modul Type : DSE 7320 MKII Modul No. : 1 Note :

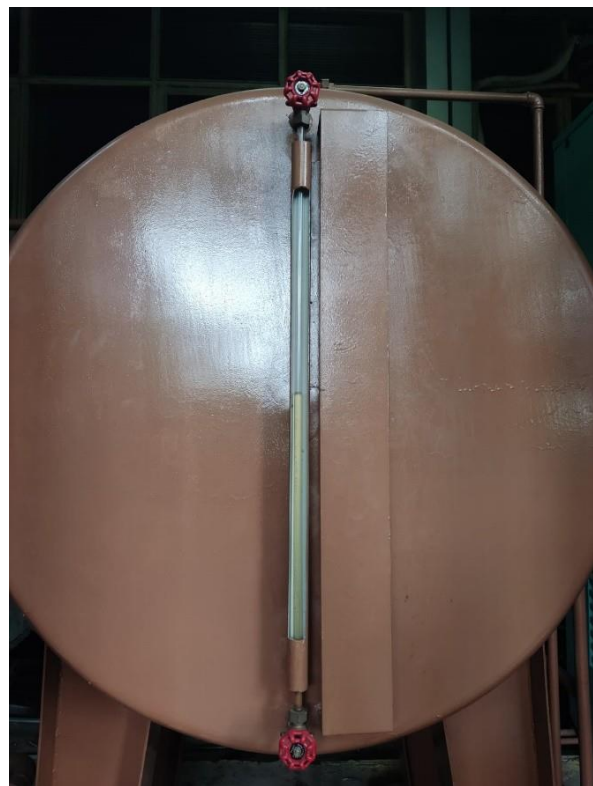


1.3 Dokumentasi hasil pengecekan Genset



- Keterangan : Kondisi genset, Komponen, Connection **OK**
- Aktivitas : Pengecekan kondisi geset dan checklist

1.4 Service report hasil pengecekan Genset



- Keterangan : Kondisi genset, Solar **OK**
- Aktivitas : Pengecekan kondisi dan solar genset.

2. Lampiran UPS dan Battery

2.1 Service Report UPS 1B

SERVICE REPORT UPS 1B

Preventive Maintenance Corrective Maintenance

Customer : PLN Pusat	Jam Masuk : 09:30	Jam Selesai : 14:00
Alamat : Gedung Trapesium DC PLN Pusat	Date : 10 Desember 2023	

PERANGKAT

Merk : Riello UPS	Model & Kapasitas : UPS MHT 400P	Serial No : AR04UP749940003
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PEMERIKSAAN

Nama Ruangan : Basement Ruang Battery			Suhu Ruangan : 20°C		
1. Kebersihan Unit	<input checked="" type="checkbox"/>	OK	6. Pemeriksaan Rectifier	<input checked="" type="checkbox"/>	OK
2. Indikator Unit	<input checked="" type="checkbox"/>	Normal	7. Pemeriksaan Inverter	<input checked="" type="checkbox"/>	OK
3. Test Audible Alarm	<input checked="" type="checkbox"/>	OK	8. Pemeriksaan Charger	<input checked="" type="checkbox"/>	OK
4. Test Indikator Lampu	<input checked="" type="checkbox"/>	OK	9. Kebisingan Unit	<input checked="" type="checkbox"/>	Normal
5. Pemeriksaan Visual Fan	<input checked="" type="checkbox"/>	OK	10. Kondisi Lingkungan	<input checked="" type="checkbox"/>	OK

PENGUKURAN PARAMETER

1. Tegangan Input	R - N : 230 V	S - N : 230 V	T - N : 230 V	N - G	0 V	Load Level
2. Arus Input	R : 30 A	S : 30 A	T : 31 A	Freq IN	50 Hz	2%
3. Tegangan Output	R - N : 230 V	S - N : 230 V	T - N : 231 V	N - G	0 V	
4. Arus Output	R : 90 A	S : 86 A	T : 91 A	Freq OT	50 Hz	Load VA
5. Tegangan Bypass	R - N : 230 V	S - N : 230 V	T - N : 229 V	N - G	0 V	8 kVA

BATTERY

Merk	Type		Jumlah
G Power	VRLA 205 Ah (W/Cell)		160
Taggal Terpasang	Advance Battery Management (ABM)		Tegangan Floating
/ /	<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Disable	527 VDC
Kondisi Battery	<input checked="" type="checkbox"/> Baik	<input type="checkbox"/> Lemah	Perkiraan Backup Time
	<input type="checkbox"/> Rusak		463 (Mnt)

2.2 Service Report UPS 2B

SERVICE REPORT UPS 2B

Preventive Maintenance Corrective Maintenance

Customer : PLN Pusat	Jam Masuk : 09:30	Jam Selesai : 14:00
Alamat : Gedung Trapesium DC PLN Pusat	Date : 10 Desember 2023	

PERANGKAT

Merk : Riello UPS	Model & Kapasitas : UPS MHT 400P	Serial No : AR04UP749940002
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PEMERIKSAAN

Nama Ruangan : Basement Ruang Battery	Suhu Ruangan : 20°C		
1. Kebersihan Unit	<input checked="" type="checkbox"/> OK	6. Pemeriksaan Rectifier	<input checked="" type="checkbox"/> OK
2. Indikator Unit	<input checked="" type="checkbox"/> Normal	7. Pemeriksaan Inverter	<input checked="" type="checkbox"/> OK
3. Test Audible Alarm	<input checked="" type="checkbox"/> OK	8. Pemeriksaan Charger	<input checked="" type="checkbox"/> OK
4. Test Indikator Lampu	<input checked="" type="checkbox"/> OK	9. Kebisingan Unit	<input checked="" type="checkbox"/> Normal
5. Pemeriksaan Visual Fan	<input checked="" type="checkbox"/> OK	10. Kondisi Lingkungan	<input checked="" type="checkbox"/> OK

PENGUKURAN PARAMETER

1. Tegangan Input	R - N : 229 V	S - N : 230 V	T - N : 230 V	N - G	0 V	Load Level
2. Arus Input	R : 31 A	S : 30 A	T : 30 A	Freq IN	50 Hz	2%
3. Tegangan Output	R - N : 230 V	S - N : 230 V	T - N : 230 V	N - G	0 V	
4. Arus Output	R : 90 A	S : 90 A	T : 87 A	Freq OT	50 Hz	Load VA
5. Tegangan Bypass	R - N : 230 V	S - N : 230 V	T - N : 229 V	N - G	0 V	8 kVA

BATTERY

Merk	Type		Jumlah
G Power	VRLA 205 Ah (W/Cell)		160
Taggal Terpasang	Advance Battery Management (ABM)		Tegangan Floating
/ /	<input checked="" type="checkbox"/> Enable	<input type="checkbox"/> Disable	525 VDC
Kondisi Battery	<input checked="" type="checkbox"/> Baik		Perkiraan Backup Time
	<input type="checkbox"/> Lemah	<input type="checkbox"/> Rusak	452 (Mnt)

2.3 Dokumentasi hasil pengecekan UPS dan Battery



- Keterangan : Kondisi UPS, Komponen, Connection **OK**
- Aktivitas : Pengecekan kondisi UPS dan checklist

2.4 Service Report Battery

SERVICE REPORT BATTERY

UPS RIELLO			
Battery Type	: VRLA	Date	: 10 Desember 2023
Brand	: G Power	Install date	:

Cabinet 1				Cabinet 2			
No.	Description	Value	Remarks	No.	Description	Value	Remarks
1	Voltage	527 V		1	Voltage	525 V	
2	Current	0A		2	Current	0A	
3	SOC	100%		3	SOC	100%	
4	SDH	100%		4	SDH	100%	
5	Max cell temp	60 °C		5	Max cell temp	60 °C	
6	Min cell temp	25 °C		6	Min cell temp	25 °C	
7	Total Backup Time	463 Min		7	Total Backup Time	452 Min	
8	Status	OK		8	Status	OK	

2.5 Dokumentasi pengecekan Battery



- Keterangan : Kondisi Battery, Komponen, Connection **OK**
- Aktivitas : Pengecekan kondisi Battery dan checklist

3. Lampiran Panel ATS AMF + LVMDP

3.1 Pengecekan Cell Panel ATS AMF + LVMDP

INVENTORY ID	PANEL INCOMING TRAFO	LOCATION	Gedung Trapesium		
PRODUCT NAME	LS Metasol	DATE	10 - 12 - 2023	TIME	10.30
MODEL / TYPE	Air Circuit Breaker	JOB DESCRIPTION	Pemeliharaan		
SERIAL NUMBER	AN - 16D4 - 16H				

PARAMETER			PEMBACAAN			PARAMETER NORMAL	KETERANGAN
TEGANGAN PHASE TO PHASE			(VOLT)			3 × 380 V / 220 V + N 3 × 400 V / 230 V + N 3 × 415 V / 240 V + N	Indikator Meter kondisi NORMAL (Standart Parameter)
R - S	S - T	T - R	396	397	395		
TEGANGAN PHASE TO NEUTRAL			(VOLT)				
R - N	S - N	T - N	229	229	229		
ARUS / CURRENT			(AMPERE)				
R	S	T	102	108	103		
FREKUENSI (HZ)			50			50.00HZ	
POWER FACTOR (PF)						0,8-1,0	
KONDISI PERANGKAT			OK	NOK	N/A	BEFORE	AFTER
PENGECEKAN VISUAL	1	Relay	OK			Normal	Normal
	2	Kabel	OK			Normal	Normal
	3	mcb	OK			Normal	Normal
	4	Lampu indikator	OK			Normal	Normal
	5	Fuse	OK			Normal	Normal
	6	Terminal power	OK			Normal	Normal
	7	Termograf Incoming	22,3 °C	22,4 °C	22,5 °C	Normal	Normal
	8	Termograf Outgoing	22,4 °C	22,4 °C	22,3 °C	Normal	Normal
	9	Metering	OK			Normal	Normal
	10	Jalur kabel	OK			Normal	Normal
	11	Ruangan/lingkungan	OK			Normal	Normal
	12	Penerangan	OK			Normal	Normal

3.2 Lampiran Dokumentasi Cell Panel ATS, AMF, dan LVMDP



- Keterangan : Kondisi Panel, Komponen, Connection **OK**
- Aktivitas : Pengecekan kondisi panel ,termoimager dan checklist

3.3 Pengecekan Cell I/O UPS

INVENTORY ID	PANEL I/O UPS	LOCATION	Gedung Trapesium		
PRODUCT NAME	LS Metasol	DATE	10 - 12 - 2023	TIME	10.35
MODEL / TYPE	Air Circuit Breaker	JOB DESCRIPTION	Pemeliharaan		
SERIAL NUMBER	AN - 13D4 – 13H				

PARAMETER			PEMBACAAN			PARAMETER NORMAL	KETERANGAN
TEGANGAN PHASE TO PHASE			(VOLT)			3 × 380 V / 220 V + N 3 × 400 V / 230 V + N 3 × 415 V / 240 V + N	Indikator Meter kondisi NORMAL (Standart Parameter)
R - S	S - T	T - R	389	389	389		
TEGANGAN PHASE TO NEUTRAL			(VOLT)				
R - N	S - N	T - N	228	229	230		
ARUS / CURRENT			(AMPERE)				
R	S	T	59	56	59		
FREKUENSI (HZ)			50			50.00HZ	
POWER FACTOR (PF)						0,8-1,0	
KONDISI PERANGKAT			OK	NOK	N/A	BEFORE	AFTER
PENGECEKAN VISUA	1	Relay	OK			Normal	Normal
	2	Kabel	OK			Normal	Normal
	3	mcb	OK			Normal	Normal
	4	Lampu indikator	OK			Normal	Normal
	5	Fuse	OK			Normal	Normal
	6	Terminal power	OK			Normal	Normal
	7	Termoimager Incoming	22,3 °C	22,4 °C	22,5 °C	Normal	Normal
	8	Termoimager Outgoing	22,4 °C	22,4 °C	22,3 °C	Normal	Normal
	9	Metering	OK			Normal	Normal
	10	Jalur kabel	OK			Normal	Normal
	11	Ruangan/lingkungan	OK			Normal	Normal
	12	Penerangan	OK			Normal	Normal

3.4 Lampiran Dokumentasi Cell I/O UPS



- Keterangan : Kondisi Panel, Komponen, Connection OK
- Aktivitas : Pengecekan kondisi panel ,termoimager dan checklist

3.5 Pengecekan Panel PDU 1

INVENTORY ID	PANEL PDU 1	LOCATION	Data Center PLN Pusat		
PRODUCT NAME	LS Susul	DATE	10 - 12 - 2023	TIME	10.40
MODEL / TYPE	MCCB	JOB DESCRIPTION	Pemeliharaan		
SERIAL NUMBER	TS 250N				

PARAMETER			PEMBACAAN			PARAMETER NORMAL	KETERANGAN
TEGANGAN PHASE TO PHASE			(VOLT)			3 × 380 V / 220 V + N 3 × 400 V / 230 V + N 3 × 415 V / 240 V + N	Indikator Meter kondisi NORMAL (Standart Parameter)
R - S	S - T	T - R	399	398	397		
TEGANGAN PHASE TO NEUTRAL			(VOLT)				
R - N	S - N	T - N	239	238	237		
ARUS / CURRENT			(AMPERE)				
R	S	T	0	0	7,8		
FREKUENSI (HZ)			50			50.00HZ	
POWER FACTOR (PF)						0,8-1,0	
KONDISI PERANGKAT			OK	NOK	N/A	BEFORE	AFTER
PENGECEKAN VISUAL	1	Kabel	OK			Normal	Normal
	2	mcb	OK			Normal	Normal
	3	Lampu indikator	OK			Normal	Normal
	4	Fuse	OK			Normal	Normal
	5	Terminal power	OK			Normal	Normal
	6	Metering	OK			Normal	Normal
	7	Termoimager Incoming	21,3 °C	21,4 °C	21,5°C	Normal	Normal
	8	Termoimager Outgoing	21,4 °C	21,4 °C	21,3 °C	Normal	Normal
	9	Jalur kabel	OK			Normal	Normal
	10	Penerangan	OK			Normal	Normal

3.6 Lampiran Dokumentasi Panel PDU 1



- Keterangan : Kondisi Panel, Komponen, Connection OK
- Aktivitas : Pengecekan kondisi panel ,termoimager dan checklist

3.7 Pengecekan Panel PDU 2

INVENTORY ID	PANEL PDU 2	LOCATION	Data Center PLN Pusat		
PRODUCT NAME	LS Susul	DATE	10 - 12 - 2023	TIME	10.45
MODEL / TYPE	MCCB	JOB DESCRIPTION	Pemeliharaan		
SERIAL NUMBER	TS 250N				

PARAMETER			PEMBACAAN			PARAMETER NORMAL	KETERANGAN
TEGANGAN PHASE TO PHASE			(VOLT)			3 × 380 V / 220 V + N	Indikator Meter kondisi NORMAL (Standart Parameter)
R - S	S - T	T - R	389	388	390		
TEGANGAN PHASE TO NEUTRAL			(VOLT)			3 × 400 V / 230 V + N	
R - N	S - N	T - N	230	229	230	3 × 415 V / 240 V + N	
ARUS / CURRENT			(AMPERE)				
R	S	T	1.45	1.45	15.9		
FREKUENSI (HZ)			50			50.00HZ	
POWER FACTOR (PF)						0,8-1,0	
KONDISI PERANGKAT			OK	NOK	N/A	BEFORE	AFTER
PENGECEKAN VISUA	1	Kabel	OK			Normal	Normal
	2	mcb	OK			Normal	Normal
	3	Lampu indikator	OK			Normal	Normal
	4	Fuse	OK			Normal	Normal
	5	Terminal power	OK			Normal	Normal
	6	Metering	OK			Normal	Normal
	7	Termoimager Incoming	21,3 °C	21,4 °C	21,5°C	Normal	Normal
	8	Termoimager Outgoing	21,4 °C	21,4 °C	21,3 °C	Normal	Normal
	9	Jalur kabel	OK			Normal	Normal
	10	Penerangan	OK			Normal	Normal

3.8 Lampiran Dokumentasi Panel PDU 2



- Keterangan : Kondisi Panel, Komponen, Connection OK
- Aktivitas : Pengecekan kondisi panel ,termoimager dan checklist

3.9 Pengecekan Panel PDU 3

INVENTORY ID	PANEL PDU 3	LOCATION	Data Center PLN Pusat		
PRODUCT NAME	LS Susul	DATE	10 - 12 - 2023	TIME	10.50
MODEL / TYPE	MCCB	JOB DESCRIPTION	Pemeliharaan		
SERIAL NUMBER	TS 250N				

PARAMETER			PEMBACAAN			PARAMETER NORMAL	KETERANGAN
TEGANGAN PHASE TO PHASE			(VOLT)			3 × 380 V / 220 V + N 3 × 400 V / 230 V + N 3 × 415 V / 240 V + N	Indikator Meter kondisi NORMAL (Standart Parameter)
R - S	S - T	T - R	389	389	387		
TEGANGAN PHASE TO NEUTRAL			(VOLT)				
R - N	S - N	T - N	229	228	227		
ARUS / CURRENT			(AMPERE)				
R	S	T	7.1	6.6	0		
FREKUENSI (HZ)			50 Hz			50.00HZ	
POWER FACTOR (PF)						0,8-1,0	
KONDISI PERANGKAT			OK	NOK	N/A	BEFORE	AFTER
PENGECEKAN VISUA	1	Kabel	OK			Normal	Normal
	2	mcb	OK			Normal	Normal
	3	Lampu indikator	OK			Normal	Normal
	4	Fuse	OK			Normal	Normal
	5	Terminal power	OK			Normal	Normal
	6	Metering	OK			Normal	Normal
	7	Termoimager Incoming	21,3 °C	21,4 °C	21,5°C	Normal	Normal
	8	Termoimager Outgoing	21,4 °C	21,4 °C	21,3 °C	Normal	Normal
	9	Jalur kabel	OK			Normal	Normal
	10	Penerangan	OK			Normal	Normal

3.10 Lampiran Dokumentasi Panel PDU 3



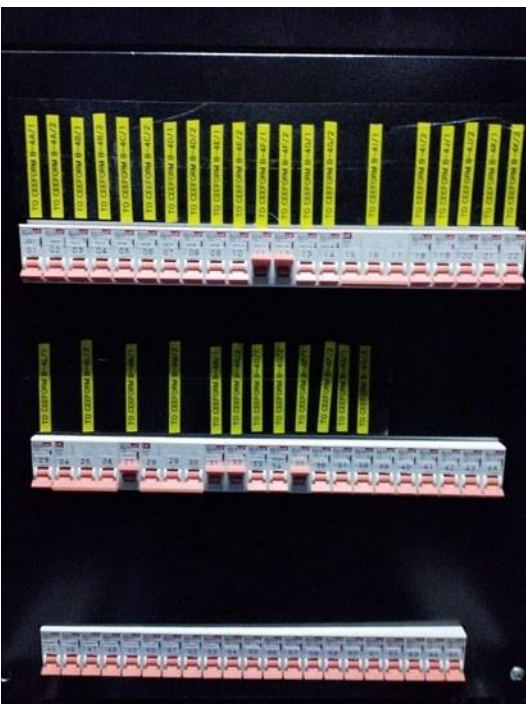
- Keterangan : Kondisi Panel, Komponen, Connection OK
- Aktivitas : Pengecekan kondisi panel ,termoimager dan checklist

3.11 Pengecekan Panel PDU 4

INVENTORY ID	PANEL PDU 4	LOCATION	Data Center PLN Pusat		
PRODUCT NAME	LS Susol	DATE	10 - 12 - 2023	TIME	10.55
MODEL / TYPE	MCCB	JOB DESCRIPTION	Pemeliharaan		
SERIAL NUMBER	TS 250N				

PARAMETER			PEMBACAAN			PARAMETER NORMAL	KETERANGAN
TEGANGAN PHASE TO PHASE			(VOLT)			3 × 380 V / 220 V + N	Indikator Meter kondisi NORMAL (Standart Parameter)
R - S	S - T	T - R	399	397	398		
TEGANGAN PHASE TO NEUTRAL			(VOLT)			3 × 400 V / 230 V + N	
R - N	S - N	T - N	229	228	228	3 × 415 V / 240 V + N	
ARUS / CURRENT			(AMPERE)				
R	S	T	9.4	14.8	7.8		
FREKUENSI (HZ)			50			50.00HZ	
POWER FACTOR (PF)						0,8-1,0	
KONDISI PERANGKAT			OK	NOK	N/A	BEFORE	AFTER
PENGECEKAN VISUA	1	Kabel	OK			Normal	Normal
	2	mcb	OK			Normal	Normal
	3	Lampu indikator	OK			Normal	Normal
	4	Fuse	OK			Normal	Normal
	5	Terminal power	OK			Normal	Normal
	6	Metering	OK			Normal	Normal
	7	Termoimager Incoming	21,3 °C	21,4 °C	21,5°C	Normal	Normal
	8	Termoimager Outgoing	21,4 °C	21,4 °C	21,3 °C	Normal	Normal
	9	Jalur kabel	OK			Normal	Normal
	10	Penerangan	OK			Normal	Normal

3.12 Lampiran Dokumentasi Panel PDU 4



- Keterangan : Kondisi Panel, Komponen, Connection OK
- Aktivitas : Pengecekan kondisi panel ,termoimager dan checklist

3.13 Pengecekan Panel PDU 5

INVENTORY ID	PANEL PDU 5	LOCATION	Data Center PLN Pusat		
PRODUCT NAME	LS Susul	DATE	10 - 12 - 2023	TIME	11.00
MODEL / TYPE	MCCB	JOB DESCRIPTION	Pemeliharaan		
SERIAL NUMBER	TS 250N				

PARAMETER			PEMBACAAN			PARAMETER NORMAL	KETERANGAN
TEGANGAN PHASE TO PHASE			(VOLT)			3 × 380 V / 220 V + N	Indikator Meter kondisi NORMAL (Standart Parameter)
R - S	S - T	T - R	398	398	397		
TEGANGAN PHASE TO NEUTRAL			(VOLT)			3 × 400 V / 230 V + N	
R - N	S - N	T - N	227	230	229	3 × 415 V / 240 V + N	
ARUS / CURRENT			(AMPERE)				
R	S	T	2.8	2.4	0		
FREKUENSI (HZ)			50			50.00HZ	
POWER FACTOR (PF)						0,8-1,0	
KONDISI PERANGKAT			OK	NOK	N/A	BEFORE	AFTER
PENGECEKAN VISUA	1	Kabel	OK			Normal	Normal
	2	mcb	OK			Normal	Normal
	3	Lampu indikator	OK			Normal	Normal
	4	Fuse	OK			Normal	Normal
	5	Terminal power	OK			Normal	Normal
	6	Metering	OK			Normal	Normal
	7	Termoimager Incoming	21,3 °C	21,4 °C	21,5°C	Normal	Normal
	8	Termoimager Outgoing	21,4 °C	21,4 °C	21,3 °C	Normal	Normal
	9	Jalur kabel	OK			Normal	Normal
	10	Penerangan	OK			Normal	Normal

3.14 Lampiran Dokumentasi Panel PDU 5



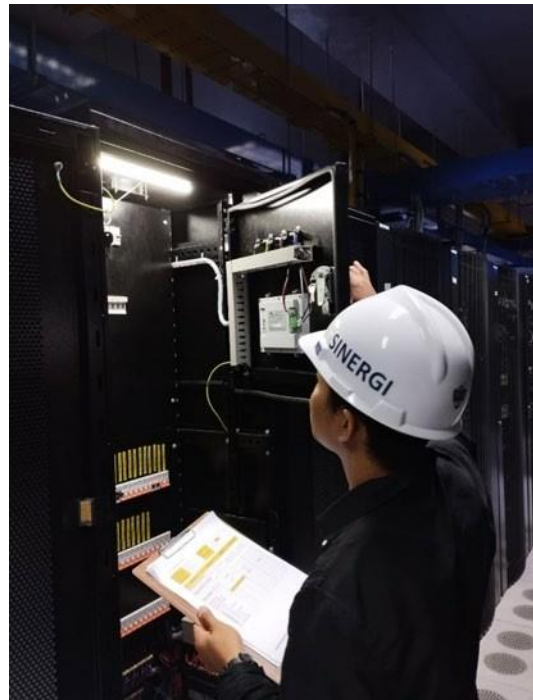
- Keterangan : Kondisi Panel, Komponen, Connection OK
- Aktivitas : Pengecekan kondisi panel ,termoimager dan checklist

3.15 Pengecekan Panel PDU 6

INVENTORY ID	PANEL PDU 6	LOCATION	Data Center PLN Pusat		
PRODUCT NAME	LS Susul	DATE	10 - 12 - 2023	TIME	11.05
MODEL / TYPE	MCCB	JOB DESCRIPTION	Pemeliharaan		
SERIAL NUMBER	TS 250N				

PARAMETER			PEMBACAAN			PARAMETER NORMAL	KETERANGAN
TEGANGAN PHASE TO PHASE			(VOLT)			3 × 380 V / 220 V + N	
R - S	S - T	T - R	398	398	397		
TEGANGAN PHASE TO NEUTRAL			(VOLT)			3 × 400 V / 230 V + N	
R - N	S - N	T - N	229	229	229		
ARUS / CURRENT			(AMPERE)				
R	S	T	5.7	8.7	2.9		
FREKUENSI (HZ)			50			50.00HZ	
POWER FACTOR (PF)						0,8-1,0	
KONDISI PERANGKAT			OK	NOK	N/A	BEFORE	AFTER
PENGECEKAN VISUAL	1	Kabel	OK			Normal	Normal
	2	mcb	OK			Normal	Normal
	3	Lampu indikator	OK			Normal	Normal
	4	Fuse	OK			Normal	Normal
	5	Terminal power	OK			Normal	Normal
	6	Metering	OK			Normal	Normal
	7	Termoimager Incoming	21,3 °C	21,4 °C	21,5 °C	Normal	Normal
	8	Termoimager Outgoing	21,4 °C	21,4 °C	21,3 °C	Normal	Normal
	9	Jalur kabel	OK			Normal	Normal
	10	Penerangan	OK			Normal	Normal

3.16 Lampiran Dokumentasi Panel PDU 6



- Keterangan : Kondisi Panel, Komponen, Connection OK
- Aktivitas : Pengecekan kondisi panel ,termoimager dan checklist

3.17 Pengecekan Panel PAC

INVENTORY ID	PANEL PAC	LOCATION	Data Center PLN Pusat		
PRODUCT NAME	LS Susul	DATE	10 - 12 - 2023	TIME	11.10
MODEL / TYPE	MCCB	JOB DESCRIPTION	Pemeliharaan		
SERIAL NUMBER	TS 250N				

PARAMETER			PEMBACAAN			PARAMETER NORMAL	KETERANGAN
TEGANGAN PHASE TO PHASE			(VOLT)			3 × 380 V / 220 V + N	
R - S	S - T	T - R	399	398	399		
TEGANGAN PHASE TO NEUTRAL			(VOLT)			3 × 400 V / 230 V + N	
R - N	S - N	T - N	230	230	229	3 × 415 V / 240 V + N	
ARUS / CURRENT			(AMPERE)				
R	S	T	107	116	118		
FREKUENSI (HZ)			50			50.00HZ	
POWER FACTOR (PF)						0,8-1,0	
KONDISI PERANGKAT			OK	NOK	N/A	BEFORE	AFTER
PENGECEKAN VISUAL	1	Kabel	OK			Normal	Normal
	2	mcb	OK			Normal	Normal
	3	Lampu indikator	OK			Normal	Normal
	4	Fuse	OK			Normal	Normal
	5	Terminal power	OK			Normal	Normal
	6	Metering	OK			Normal	Normal
	7	Termoimager Incoming	21,3 °C	21,4 °C	21,5°C	Normal	Normal
	8	Termoimager Outgoing	21,4 °C	21,4 °C	21,3 °C	Normal	Normal
	9	Jalur kabel	OK			Normal	Normal
	10	Penerangan	OK			Normal	Normal

3.18 Lampiran Foto Pengecekan Panel PAC



- Keterangan : Kondisi Panel, Komponen, Connection OK
- Aktivitas : Pengecekan kondisi panel ,termoimager dan checklist

PT INDONESIA COMNETS PLUS (PLN ICON PLUS)	PT. PLN (Persero) KANTOR PUSAT
<u>BUYUNG FEBRIANSYAH FASLA</u> MANAGER DATA CENTER	<u>MOCH. AGUS TAUFIQURRAHMAN</u> MANAGER FASILITAS SARANA DAN PRASARANA KANTOR PUSAT