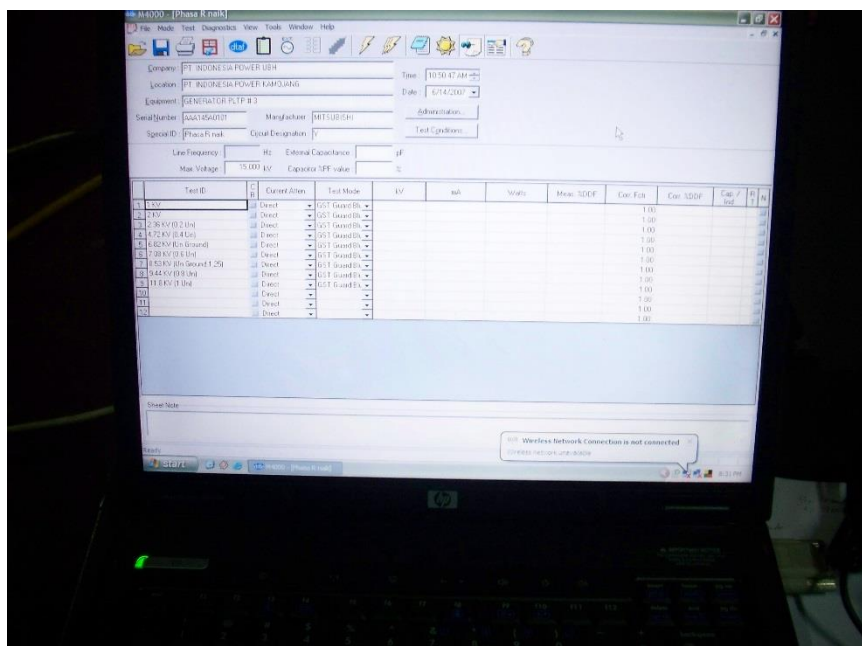


## LAMPIRAN







PHASA. 12.

TETTEX TYPE 2818  
MEASUREMENT RESULTS  
Date: 20.07.05 / 21:32  
Unit No.: 140 640

Site : PLTP KNJNG  
Object : GENERATOR 2 R  
Serial No.: 145 101

Test Mode = GSTs A+B  
U-test [=] = 2.36 kV  
Current = 151.1 mA  
Capacitance = 203.5 nF  
Tan Delta = 0.0411  
Tan D. 20 = 0.0354  
Temperature = 28.0  
Frequency = 49.94 Hz  
I Leakage = 6.207 mA  
I L at 10kV = 22.59 mA  
P Active = 14.67 W  
P A at 10kV = 225.9 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [=] = 4.73 kV  
Current = 310.1 mA  
Capacitance = 208.5 nF  
Tan Delta = 0.0577  
Tan D. 20 = 0.0497  
Temperature = 28.0  
Frequency = 49.96 Hz  
I Leakage = 17.87 mA  
I L at 10kV = 32.50 mA  
P Active = 84.49 W  
P A at 10kV = 325.0 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [=] = 7.07 kV  
Current = 479.1 mA  
Capacitance = 215.2 nF  
Tan Delta = 0.0694  
Tan D. 20 = 0.0596  
Temperature = 28.0  
Frequency = 49.98 Hz  
I Leakage = 33.20 mA  
I L at 10kV = 40.36 mA  
P Active = 234.7 W  
P A at 10kV = 403.6 W  
\*\*\*\*\*

PHASA R

Test Mode = GSTs A+B  
U-test [=] = 9.45 kV  
Current = 664.1 mA  
Capacitance = 222.8 nF  
Tan Delta = 0.0807  
Tan D. 20 = 0.0698  
Temperature = 28.0  
Frequency = 50.02 Hz  
I Leakage = 53.43 mA  
I L at 10kV = 48.60 mA  
P Active = 505.1 W  
P A at 10kV = 486.0 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [=] = 10.9 kV  
Current = 779.1 mA  
Capacitance = 227.1 nF  
Tan Delta = 0.0860  
Tan D. 20 = 0.0739  
Temperature = 28.0  
Frequency = 50.07 Hz  
I Leakage = 66.68 mA  
I L at 10kV = 52.82 mA  
P Active = 724.0 W  
P A at 10kV = 528.2 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [=] = 9.47 kV  
Current = 671.1 mA  
Capacitance = 224.0 nF  
Tan Delta = 0.082  
Tan D. 20 = 0.0709  
Temperature = 28.0  
Frequency = 50.15 Hz  
I Leakage = 55.10 mA  
I L at 10kV = 50.03 mA  
P Active = 521.9 W  
P A at 10kV = 500.3 W  
\*\*\*\*\*

PHASA R

Test Mode = GSTs A+B  
U-test [=] = 7.05 kV  
Current = 485.1 mA  
Capacitance = 218.1 nF  
Tan Delta = 0.0746  
Tan D. 20 = 0.0641  
Temperature = 28.0  
Frequency = 50.00 Hz  
I Leakage = 36.07 mA  
I L at 10kV = 43.97 mA  
P Active = 254.4 W  
P A at 10kV = 439.7 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [=] = 4.71 kV  
Current = 315.1 mA  
Capacitance = 212.7 nF  
Tan Delta = 0.0669  
Tan D. 20 = 0.0575  
Temperature = 28.0  
Frequency = 49.91 Hz  
I Leakage = 21.02 mA  
I L at 10kV = 38.36 mA  
P Active = 99.03 W  
P A at 10kV = 383.6 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [=] = 2.33 kV  
Current = 152.1 mA  
Capacitance = 208.2 nF  
Tan Delta = 0.0539  
Tan D. 20 = 0.0462  
Temperature = 28.0  
Frequency = 49.95 Hz  
I Leakage = 8.170 mA  
I L at 10kV = 30.20 mA  
P Active = 19.01 W  
P A at 10kV = 302.0 W  
\*\*\*\*\*



PHASA . S

②

TETTEX TYPE 2818  
MEASUREMENT RESULTS  
Date: 20.07.05 / 21:56  
Unit No: 140 640

Site : PLTP KMJNG  
Object : GENERATOR 2 S  
Serial No.: 145 101

Test Mode = GSTs A+B  
U-test [V] = 2.33 kV  
Current = 148.1 mA  
Capacitance= 201.2 nF  
Tan Delta = 0.0402  
Tan D. 20 = 0.0345  
Temperature= 28.0  
Frequency = 50.06 Hz  
I Leakage = 5.935 mA  
I L at 10kV= 21.87 mA  
P Active = 13.85 W  
P A at 10kV= 218.7 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [V] = 4.70 kV  
Current = 306.1 mA  
Capacitance= 206.2 nF  
Tan Delta = 0.0573  
Tan D. 20 = 0.0493  
Temperature= 28.0  
Frequency = 50.12 Hz  
I Leakage = 17.50 mA  
I L at 10kV= 32.00 mA  
P Active = 82.28 W  
P A at 10kV= 320.0 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [V] = 7.03 kV  
Current = 471.1 mA  
Capacitance= 213.1 nF  
Tan Delta = 0.0695  
Tan D. 20 = 0.0597  
Temperature= 28.0  
Frequency = 50.02 Hz  
I Leakage = 32.70 mA  
I L at 10kV= 48.01 mA  
P Active = 229.9 W  
P A at 10kV= 400.1 W  
\*\*\*\*\*

PHASA S

②

Test Mode = GSTs A+B  
U-test [V] = 9.47 kV  
Current = 660.1 mA  
Capacitance= 220.8 nF  
Tan Delta = 0.0815  
Tan D. 20 = 0.0700  
Temperature= 28.0  
Frequency = 50.03 Hz  
I Leakage = 53.55 mA  
I L at 10kV= 48.61 mA  
P Active = 507.3 W  
P A at 10kV= 486.1 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [V] = 10.9 kV  
Current = 775.1 mA  
Capacitance= 225.3 nF  
Tan Delta = 0.0877  
Tan D. 20 = 0.0754  
Temperature= 28.0  
Frequency = 50.00 Hz  
I Leakage = 67.74 mA  
I L at 10kV= 53.46 mA  
P Active = 738.1 W  
P A at 10kV= 534.6 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [V] = 9.46 kV  
Current = 663.1 mA  
Capacitance= 221.9 nF  
Tan Delta = 0.0838  
Tan D. 20 = 0.0721  
Temperature= 28.0  
Frequency = 50.00 Hz  
I Leakage = 55.40 mA  
I L at 10kV= 50.34 mA  
P Active = 524.3 W  
P A at 10kV= 503.4 W  
\*\*\*\*\*

PHASA S

③

Test Mode = GSTs A+B  
U-test [V] = 7.05 kV  
Current = 481.1 mA  
Capacitance= 215.8 nF  
Tan Delta = 0.0780  
Tan D. 20 = 0.0645  
Temperature= 28.0  
Frequency = 50.18 Hz  
I Leakage = 35.99 mA  
I L at 10kV= 43.86 mA  
P Active = 253.8 W  
P A at 10kV= 438.6 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [V] = 4.70 kV  
Current = 312.1 mA  
Capacitance= 210.2 nF  
Tan Delta = 0.0670  
Tan D. 20 = 0.0576  
Temperature= 28.0  
Frequency = 50.17 Hz  
I Leakage = 20.89 mA  
I L at 10kV= 38.18 mA  
P Active = 98.29 W  
P A at 10kV= 381.0 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [V] = 2.30 kV  
Current = 149.1 mA  
Capacitance= 205.6 nF  
Tan Delta = 0.0533  
Tan D. 20 = 0.0458  
Temperature= 28.0  
Frequency = 50.17 Hz  
I Leakage = 7.948 mA  
I L at 10kV= 29.72 mA  
P Active = 18.26 W  
P A at 10kV= 297.2 W  
\*\*\*\*\*



PHASA T ①

TETTEX TYPE 2818  
MEASUREMENT RESULTS  
Date: 20.07.05 / 22:19  
Unit No: 140 640

Site : PLTP KMJNG  
Object : GENERATOR 2 T  
Serial No.: 145 101

Test Mode = GSTs A+B  
U-test [U] = 2.30 kV  
Current = 147.1 mA  
Capacitance= 203.3 nF  
Tan Delta = 0.0443  
Tan D. 20 = 0.0381  
Temperature= 28.0  
Frequency = 49.94 Hz  
I Leakage = 6.515 mA  
I L at 10kV= 24.32 mA  
P Active = 15.01 W  
P A at 10kV= 243.2 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [U] = 4.75 kV  
Current = 311.1 mA  
Capacitance= 208.2 nF  
Tan Delta = 0.0692  
Tan D. 20 = 0.0595  
Temperature= 28.0  
Frequency = 49.91 Hz  
I Leakage = 21.45 mA  
I L at 10kV= 38.87 mA  
P Active = 101.8 W  
P A at 10kV= 388.7 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [U] = 7.08 kV  
Current = 482.1 mA  
Capacitance= 215.4 nF  
Tan Delta = 0.0833  
Tan D. 20 = 0.0717  
Temperature= 28.0  
Frequency = 50.06 Hz  
I Leakage = 39.99 mA  
I L at 10kV= 48.56 mA  
P Active = 283.1 W  
P A at 10kV= 485.6 W  
\*\*\*\*\*

PHASA T ②

Test Mode = GSTs A+B  
U-test [U] = 9.40 kV  
Current = 665.1 mA  
Capacitance= 223.1 nF  
Tan Delta = 0.0961  
Tan D. 20 = 0.0826  
Temperature= 28.0  
Frequency = 50.19 Hz  
I Leakage = 63.54 mA  
I L at 10kV= 58.13 mA  
P Active = 597.3 W  
P A at 10kV= 581.3 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [U] = 10.9 kV  
Current = 789.1 mA  
Capacitance= 227.9 nF  
Tan Delta = 0.102  
Tan D. 20 = 0.0879  
Temperature= 28.0  
Frequency = 50.15 Hz  
I Leakage = 80.20 mA  
I L at 10kV 63.14 mA  
P Active = 877.8 W  
P A at 10kV= 631.4 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [U] = 9.42 kV  
Current = 668.1 mA  
Capacitance= 224.3 nF  
Tan Delta = 0.0980  
Tan D. 20 = 0.0842  
Temperature= 28.0  
Frequency = 50.06 Hz  
I Leakage = 65.16 mA  
I L at 10kV= 59.46 mA  
P Active = 614.1 W  
P A at 10kV= 594.6 W  
\*\*\*\*\*

PHASA T ③

Test Mode = GSTs A+B  
U-test [U] = 7.04 kV  
Current = 485.1 mA  
Capacitance= 218.3 nF  
Tan Delta = 0.0889  
Tan D. 20 = 0.0764  
Temperature= 28.0  
Frequency = 49.98 Hz  
I Leakage = 42.90 mA  
I L at 10kV= 52.40 mA  
P Active = 301.9 W  
P A at 10kV= 524.0 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [U] = 4.73 kV  
Current = 317.1 mA  
Capacitance= 212.8 nF  
Tan Delta = 0.0801  
Tan D. 20 = 0.0689  
Temperature= 28.0  
Frequency = 49.88 Hz  
I Leakage = 25.29 mA  
I L at 10kV= 45.95 mA  
P Active = 119.7 W  
P A at 10kV= 459.5 W  
\*\*\*\*\*

Test Mode = GSTs A+B  
U-test [U] = 2.32 kV  
Current = 152.1 mA  
Capacitance= 208.2 nF  
Tan Delta = 0.0654  
Tan D. 20 = 0.0563  
Temperature= 28.0  
Frequency = 50.01 Hz  
I Leakage = 9.923 mA  
I L at 10kV= 36.82 mA  
P Active = 22.99 W  
P A at 10kV= 368.2 W  
\*\*\*\*\*

M4000 - External Reference Test  
10 /29/07 08:42 PM

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Nameplate

Date (MM/DD/YY)	10/29/07	Time	05:18 PM
Company	PT. INDONESIA POWER UBH		
Location	PT. INDONESIA POWER KAMOJANG #3		
Equipment	GENERATOR #3		
Serial Number			
Manufacturer	mitsubishi		
Special ID	PHASA R NAIK		
Circuit Designation	GST		

Administrative Info

Checked by		Tested by	
Controller No.		Sheet No.	
Instrument No.			

SUJADI&JAUHARDIANA

Test Conditions

Weather	Rain	Air Temperature	29 °C
Humidity	51 %	Oil Temperature	

Test Results

Test Frequency:	50.128 Hz	Ref. Capacitance :	992.000 pF								
Maximum Voltage:	15.000 kV	Capacitor's %PF:	0.00 %								
No	Test ID	C A	Test Mode	kV	mA	Watts	Meas. %DDF	Corr. Fctr	Corr. %DDF	Cap./ Ind.	R T
	NORMA L										
1	1 KV	Dir.	GST	1.000	61.900	3.347	5.380	1.000	5.380	0.19553 uF	
2	2 KV	Dir.	GST	2.030	125.507	14.094	5.533	1.000	5.533	0.19609 uF	
3	2.36 KV (0.2 Un)	Dir.	GST	2.360	146.187	19.338	5.599	1.000	5.599	0.19636 uF	
4	4.72 KV (0.4 Un)	Dir.	GST	4.719	300.612	105.620	7.477	1.000	7.477	0.20204 uF	
5	6.82 KV (Un Ground)	Dir.	GST	6.828	452.561	272.435	8.851	1.000	8.851	0.20976 uF	
6	7.08 KV (0.6 Un)	Dir.	GST	7.079	471.307	298.876	8.998	1.000	8.998	0.21093 uF	
7	8.53 KV (Un Ground.1,25)	Dir.	GST	8.522	581.128	473.267	9.607	1.000	9.607	0.21643 uF	
8	9.44 KV (0.8 Un)	Dir.	GST	9.431	653.609	607.859	9.901	1.000	9.901	0.21956 uF	
9	11.8 KV (1 Un)	Dir.	GST	11.81	844.406	1049.596	10.583	1.000	10.583	0.22714 uF	

## Air Temperature and Humidity

Test Number	Test Date	Test Time	Air Temp.	Humidity
NORMAL				
1	10/29/07	05:29 PM	29 °C	53 %
2	10/29/07	05:31 PM	29 °C	52 %
3	10/29/07	05:31 PM	30 °C	53 %
4	10/29/07	05:34 PM	30 °C	53 %
5	10/29/07	05:36 PM	29 °C	52 %
6	10/29/07	05:38 PM	29 °C	51 %
7	10/29/07	05:41 PM	29 °C	51 %
8	10/29/07	05:43 PM	29 °C	51 %
9	10/29/07	05:46 PM	29 °C	51 %

M4000 - External Reference Test  
10 /29/07 08:49 PM

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## Nameplate

Date (MM/DD/YY)	10/29/07	Time	05:47 PM
Company	PT. INDONESIA POWER UBH		
Location	PT. INDONESIA POWER KAMOJANG		
Equipment	GENERATOR PLTP # 3		
Serial Number			
Manufacturer	mitsubishi		
Special ID	PHASA R TURUN		
Circuit Designation	GST		

## Administrative Info

Checked by		Tested by	
Controller No.		Sheet No.	
Instrument No.			

SUJADI&JAUHARDIANA

## Test Conditions

Weather	Rain	Air Temperature	30 °C
Humidity	51 %	Oil Temperature	

## Test Results

Test Frequency:	49.899 Hz	Ref. Capacitance :	992.000 pF								
Maximum Voltage:	15.000 kV	Capacitor's %PF:	0.00 %								
No	Test ID	C A	Test Mode	kV	mA	Watts	Meas. %DDF	Corr. Fctr	Corr. %DDF	Cap./ Ind.	R T
	NORMAL										
1	9.44 KV (0.8 Un)	Dir.	GST	9.445	658.803	620.873	10.032	1.000	10.032	0.22165 uF	
2	8.53 KV (Un Ground.1,25)	Dir.	GST	8.528	589.343	490.795	9.803	1.000	9.803	0.21945 uF	

3	7.08 KV (0.6 Un)	Dir.	GST	7.084	480.255	319.183	9.431	1.000	9.431	0.21576 uF
4	6.82 KV (Un Ground)	Dir.	GST	6.812	461.503	293.626	9.369	1.000	9.369	0.21510 uF
5	4.72 KV (0.4 Un)	Dir.	GST	4.720	312.291	129.266	8.808	1.000	8.808	0.21009 uF
6	2.36 KV (0.2 Un)	Dir.	GST	2.362	153.683	27.748	7.640	1.000	7.640	0.20517 uF
7	2 KV	Dir.	GST	2.002	129.344	19.199	7.425	1.000	7.425	0.20439 uF

## Air Temperature and Humidity

Test Number	Test Date	Test Time	Air Temp.	Humidity
NORMAL				
1	10/29/07	05:48 PM	29 °C	51 %
2	10/29/07	05:49 PM	29 °C	51 %
3	10/29/07	05:51 PM	29 °C	51 %
4	10/29/07	05:53 PM	30 °C	51 %
5	10/29/07	05:54 PM	30 °C	51 %
6	10/29/07	05:56 PM	29 °C	51 %
7	10/29/07	05:59 PM	30 °C	51 %

M4000 - External Reference Test  
10 /29/07 08:50 PM

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## Nameplate

Date (MM/DD/YY)	10/29/07	Time	07:18 PM
Company	PT. INDONESIA POWER UBH		
Location	PT. INDONESIA POWER KAMOJANG #3		
Equipment	GENERATOR #3		
Serial Number			
Manufacturer	MITSUBISHI		
Special ID	PHASA S NAIK		
Circuit Designation	GST		

## Administrative Info

Checked by		Tested by	
Controller No.		Sheet No.	
Instrument No.			

SUJADI&JAUHARDIANA

## Test Conditions

Weather	Rain	Air Temperature	29 °C
Humidity	52 %	Oil Temperature	

## Test Results

Test Frequency:	49.828 Hz	Ref. Capacitance :	992.000 pF
Maximum Voltage:	15.000 kV	Capacitor's %PF:	0.00 %



No	Test ID	C A	Test Mode	kV	mA	Watts	Meas. %DDF	Corr. Fctr	Corr. %DDF	Cap./ Ind.	R T
	NORMAL										
1	1 KV	Dir.	GST	1.000	60.470	3.178	5.221	1.000	5.221	0.19134 uF	
2	2 KV	Dir.	GST	1.999	119.958	13.010	5.448	1.000	5.448	0.19220 uF	
3	2.36 KV (0.2 Un)	Dir.	GST	2.361	142.781	18.927	5.620	1.000	5.620	0.19277 uF	
4	4.72 KV (0.4 Un)	Dir.	GST	4.725	294.938	104.933	7.548	1.000	7.548	0.19856 uF	
5	6.82 KV (Un Ground)	Dir.	GST	6.828	441.723	267.682	8.925	1.000	8.925	0.20613 uF	
6	7.08 KV (0.6 Un)	Dir.	GST	7.084	463.550	301.223	9.204	1.000	9.204	0.20802 uF	
7	8.53 KV (Un Ground.1,25)	Dir.	GST	8.528	572.188	478.016	9.828	1.000	9.828	0.21291 uF	
8	9.44 KV (0.8 Un)	Dir.	GST	9.436	641.003	613.890	10.202	1.000	10.202	0.21629 uF	
9	11.8 KV (1 Un)	Dir.	GST	11.81	831.744	1067.323	10.951	1.000	10.951	0.22384 uF	

## Air Temperature and Humidity

Test Number	Test Date	Test Time	Air Temp.	Humidity
NORMAL				
1	10/29/07	07:37 PM	29 °C	53 %
2	10/29/07	07:38 PM	29 °C	53 %
3	10/29/07	07:40 PM	29 °C	53 %
4	10/29/07	07:40 PM	29 °C	53 %
5	10/29/07	07:41 PM	30 °C	53 %
6	10/29/07	07:44 PM	30 °C	53 %
7	10/29/07	07:45 PM	30 °C	53 %
8	10/29/07	07:47 PM	30 °C	53 %
9	10/29/07	07:48 PM	29 °C	52 %

M4000 - External Reference Test  
10 /29/07 08:51 PM

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## Nameplate

Date (MM/DD/YY)	10/29/07	Time	07:49 PM
Company	PT. INDONESIA POWER UBH		
Location	PT. INDONESIA POWER KAMOJANG		
Equipment	GENERATOR PLTP # 3		
Serial Number			
Manufacturer	mitsubishi		
Special ID	PHASA S TURUN		
Circuit Designation	GST		

## Administrative Info

Checked by		Tested by	
Controller No.		Sheet No.	
Instrument No.			

SUJADI&JAUHARDIANA

## Test Conditions

Weather	Rain	Air Temperature	30 °C
Humidity	50 %	Oil Temperature	

## Test Results

Test Frequency:	49.858 Hz	Ref. Capacitance :	992.000 pF								
Maximum Voltage:	15.000 kV	Capacitor's %PF:	0.00 %								
No	Test ID	C A	Test Mode	kV	mA	Watts	Meas. %DDF	Corr. Fctr	Corr. %DDF	Cap./ Ind.	R T
	NORMAL										
1	9.44 KV (0.8 Un)	Dir.	GST	9.432	653.203	638.123	10.363	1.000	10.363	0.21873 uF	
2	8.53 KV (Un Ground.1,25)	Dir.	GST	8.539	583.359	501.330	10.099	1.000	10.099	0.21651 uF	
3	7.08 KV (0.6 Un)	Dir.	GST	7.083	474.284	323.403	9.692	1.000	9.692	0.21291 uF	
4	6.82 KV (Un Ground)	Dir.	GST	6.818	454.259	295.500	9.606	1.000	9.606	0.21214 uF	
5	4.72 KV (0.4 Un)	Dir.	GST	4.714	307.811	131.452	9.094	1.000	9.094	0.20709 uF	
6	2.36 KV (0.2 Un)	Dir.	GST	2.355	150.429	28.119	7.917	1.000	7.917	0.20194 uF	
7	2 KV	Dir.	GST	1.999	127.463	19.814	7.747	1.000	7.747	0.20135 uF	

## Air Temperature and Humidity

Test Number	Test Date	Test Time	Air Temp.	Humidity
NORMAL				
1	10/29/07	07:53 PM	29 °C	51 %
2	10/29/07	07:58 PM	29 °C	51 %
3	10/29/07	07:59 PM	29 °C	51 %
4	10/29/07	08:00 PM	29 °C	51 %
5	10/29/07	08:02 PM	29 °C	51 %
6	10/29/07	08:03 PM	29 °C	51 %
7	10/29/07	08:03 PM	30 °C	50 %

M4000 - External Reference Test  
10 /29/07 08:52 PM

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## Nameplate

Date (MM/DD/YY)	10/29/07	Time	08:10 PM
Company	PT. INDONESIA POWER UBH		
Location	PT. INDONESIA POWER KAMOJANG #3		
Equipment	GENERATOR #3		
Serial Number			
Manufacturer	mitsubishi		
Special ID	PHASA T NAIK		

Circuit Designation	GST		
Test Conditions			
Weather	Rain	Air Temperature	31 °C
Humidity	50 %	Oil Temperature	

Test Results											
Test Frequency:	50.064 Hz		Ref. Capacitance :	992.000 pF							
Maximum Voltage:	15.000 kV		Capacitor's %PF:	0.00 %							
No	Test ID	C A	Test Mode	kV	mA	Watts	Meas. %DDF	Corr. Fctr	Corr. %DDF	Cap./ Ind.	R T
	NORMAL										
1	1 KV	Dir.	GST	0.997	60.951	3.594	5.957	1.000	5.957	0.19516 uF	
2	2 KV	Dir.	GST	2.002	123.668	15.202	6.142	1.000	6.142	0.19578 uF	
3	2.36 KV (0.2 Un)	Dir.	GST	2.363	145.762	21.423	6.240	1.000	6.240	0.19618 uF	
4	4.72 KV (0.4 Un)	Dir.	GST	4.717	300.101	114.384	8.103	1.000	8.103	0.20206 uF	
5	6.82 KV (Un Ground)	Dir.	GST	6.819	449.905	288.002	9.454	1.000	9.454	0.20977 uF	
6	7.08 KV (0.6 Un)	Dir.	GST	7.078	469.838	317.049	9.590	1.000	9.590	0.21089 uF	
7	8.53 KV (Un Ground.1,25)	Dir.	GST	8.532	581.489	504.560	10.233	1.000	10.233	0.21625 uF	
8	9.44 KV (0.8 Un)	Dir.	GST	9.438	657.745	654.770	10.583	1.000	10.583	0.22029 uF	
9	11.8 KV (1 Un)	Dir.	GST	11.80	849.393	1117.538	11.207	1.000	11.207	0.22761 uF	

## Air Temperature and Humidity

Test Number	Test Date	Test Time	Air Temp.	Humidity
	NORMAL			
1	10/29/07	08:16 PM	29 °C	50 %
2	10/29/07	08:17 PM	30 °C	50 %
3	10/29/07	08:19 PM	30 °C	50 %
4	10/29/07	08:20 PM	29 °C	50 %
5	10/29/07	08:22 PM	30 °C	50 %
6	10/29/07	08:23 PM	30 °C	50 %
7	10/29/07	08:25 PM	30 °C	50 %
8	10/29/07	08:28 PM	30 °C	50 %
9	10/29/07	08:29 PM	31 °C	50 %

M4000 - External Reference Test  
10 /29/07 08:52 PM

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## Nameplate

Date (MM/DD/YY)	10/29/07	Time	08:30 PM
Company	PT. INDONESIA POWER UBH		
Location	PT. INDONESIA POWER KAMOJANG		
Equipment	GENERATOR PLTP # 3		
Serial Number			
Manufacturer	MITSUBISHI		
Special ID	PHASA T TURUN		
Circuit Designation	GST		



## Test Conditions

Weather	Rain	Air Temperature	30 °C
Humidity	49 %	Oil Temperature	

## Test Results

Test Frequency:	50.030 Hz	Ref. Capacitance :	992.000 pF
Maximum Voltage:	15.000 kV	Capacitor's %PF:	0.00 %

No	Test ID	C A	Test Mode	kV	mA	Watts	Meas. %DDF	Corr. Fctr	Corr. %DDF	Cap./Ind.	R T
	NORMAL										
1	9.44 KV (0.8 Un)	Dir.	GST	9.449	661.455	665.125	10.710	1.000	10.710	0.22212 uF	
2	8.53 KV (Un Ground.1,25)	Dir.	GST	8.534	592.091	526.115	10.465	1.000	10.465	0.21975 uF	
3	7.08 KV (0.6 Un)	Dir.	GST	7.079	482.957	341.847	10.042	1.000	10.042	0.21602 uF	
4	6.82 KV (Un Ground)	Dir.	GST	6.817	463.467	313.478	9.938	1.000	9.938	0.21483 uF	
5	4.72 KV (0.4 Un)	Dir.	GST	4.708	313.299	137.945	9.318	1.000	9.318	0.20965 uF	
6	2.36 KV (0.2 Un)	Dir.	GST	2.357	151.869	29.091	8.170	1.000	8.170	0.20480 uF	
7	2 KV	Dir.	GST	1.999	129.559	20.876	8.017	1.000	8.017	0.20418 uF	

## Air Temperature and Humidity

Test Number	Test Date	Test Time	Air Temp.	Humidity
NORMAL				
1	10/29/07	08:31 PM	31 °C	49 %
2	10/29/07	08:31 PM	30 °C	49 %
3	10/29/07	08:32 PM	31 °C	49 %
4	10/29/07	08:35 PM	30 °C	49 %
5	10/29/07	08:37 PM	30 °C	49 %
6	10/29/07	08:38 PM	31 °C	50 %
7	10/29/07	08:39 PM	30 °C	49 %