


**JOB SHEET**
**JS No. 13567**

Customer: KPJ Klang Hospital

PO Ref Num:

Site: Klang

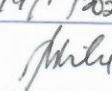
Date: 19/1/2022
**WORK SCOPE**

- ☐ Repair
 ☒ Servicing
 ☐ Installation / Testing Commissioning
 ☐ Fire Drill / Bomba Inspection
 ☐ System Checking/Audit
 ☐ Fault Call


**JOB DESCRIPTION**
Fire Suppression System.

- ① Data centre LV1 - 12V 7ah battery faulty c/w charger card (PE)  
- Bell port no output voltage. Need to repair board.
  - ② CT Scan & MRI corridor - Twin discharge light faulty (2nos) \*  
✓ Panel unable to discharge. (S zone panel)
  - ③ Fluoroscopy control room - Twin discharge light faulty (1nos) \*  
✓ Panel unable to discharge (S zone panel)
  - ④ LV Switch room - Smoke detector c/w base faulty (1nos) \*
  - ⑤ Genset room - ✓ 12V 7ah battery c/w charger card faulty (PE)
  - ⑥ HT Room (LV1) ✓ Panel down, need to repair (240V AC have at panel), found fuse blow. already replace with new fuse, but panel still unable to operate.
- \* All CO2 & FM200 cylinder already exceed 10 years. Need to do hydrostatic test \*  
 45 kg CO2 FM200 cylinder 6
- LV Switch room (12nos CO2, 1pilot) - pilot no pressure - All room (2nos)
  - Genset room (4nos CO2, 1pilot) - Fluoroscopy control room (cylinder no pressure)
  - HT room LV1 (7nos CO2, 1pilot)
  - HT room (Roof) (6nos CO2, 1pilot)
- ⑦ Need to refill 2nos wet chemical at kitchen & done hydrostatic test.  
- 6G (Range Guard) & - 2nos.

**BY TECHNICIAN:**

JOB STATUS		TECHNICIAN DETAILS			
<input checked="" type="checkbox"/> Completed	<input type="checkbox"/> Out of scope	Name	Zaide, Dams, Rusainee		Time In
<input type="checkbox"/> Not Completed	<input type="checkbox"/> No Tools and spare parts	Date	19/1/2022		Time out
<input type="checkbox"/> No Access	<input checked="" type="checkbox"/> Quotation to be provided	Signature			

**BY CUSTOMER:**

ACKNOWLEDGED / VERIFIED BY		RUBBER STAMP
Name	M. DANIEL ACIK	<b>MAINTENANCE &amp; ENGINEERING SERVICES</b> <b>KPJ KLANG SPECIALIST HOSPITAL SDN BHD</b> (166993-W) <b>NO 102, PERSIARAN RAJAWALI/KU 1,</b> <b>BANDAR BARU KLANG, 41150 KLANG SELANGOR.</b> <b>TEL: 03-33777800 FAX: 03-33777800</b>
Signature		
Date		





**ABADI JAYA**  
**FIRE SERVICES**

**KEJURUTERAAN ABADI JAYA SDN BHD** [200901036902 (880031-V)]

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CERTIFIED TO ISO 9001:2015  
CERT. NO.: QMS 02961

## JOB SHEET

JS No. **13632**

Customer : KPJ Klang Hospital

PO Ref Num : \_\_\_\_\_

Site : Klang

Date : 19/1/2022

### WORK SCOPE

☐ Repair ☒ Servicing ☐ Installation / Testing Commissioning ☐ Fire Drill / Bomba Inspection ☐ System Checking/Audit ☐ Fault Call

### JOB DESCRIPTION

Fire pump system.

- ① Sprinkler standby pump - 10bar pressure switch faulty (1no)  
(unable to run in auto mode, temporary pump in manual mode)
- ② Duty sprinkler pump - 6'inch outgoing gate valve faulty/leaking. \*
- ③ Duty & ~~standby~~ standby sprinkler pump - 240VAC auto indication faulty (2nos) \*
- ④ Hose reel water tank - water level indicator faulty (1bft) \*

### BY TECHNICIAN:

JOB STATUS		TECHNICIAN DETAILS	
<input checked="" type="checkbox"/> Completed	<input type="checkbox"/> Out of scope	Name	<u>Jaide, Daus, Rozainee</u>
<input type="checkbox"/> Not Completed	<input type="checkbox"/> No Tools and spare parts	Date	<u>19/1/2022</u>
<input type="checkbox"/> No Access	<input checked="" type="checkbox"/> Quotation to be provided	Signature	<u>[Signature]</u>

### BY CUSTOMER:

ACKNOWLEDGED / VERIFIED BY		RUBBER STAMP
Name	<u>M. DANIEL ALIF</u>	<b>MAINTENANCE &amp; ENGINEERING SERVICES</b> <b>KPJ KLANG SPECIALIST HOSPITAL SDN BHD (166993-W)</b> <b>NO 102, PERSIARAN RAJAWALIKU 1,</b> <b>BANDAR BARU KLANG, 41150 KLANG SELANGOR.</b> <b>TEL: 03-33777888 FAX: 03-33777800</b>
Signature	<u>[Signature]</u>	
Date	_____	





**FIRE PUMP**

**TECHNICAL REPORT**

FP No. **4074**

Site: KPJ Klang Hospital

PO / Contract Ref Num : \_\_\_\_\_

**WORK SCOPE**

☐ Repair ☒ Servicing ☐ Installation / Testing Commissioning ☐ Fire Drill / Bomba Inspection ☐ System Checking/Audit ☐ Fault Call

		Fire Pump Set											
No	Area \ Location	SPR. Pump Stg. 1 (Pump Room)	SPR. Pump Stg. 2 (.....)	SPR. Pump Stg. 3 (.....)	HR. Pump Stg. 1 (Pump Room)	HR. Pump Stg. 2 (.....)	HR. Pump Stg. 3 (.....)	WR. Pump Stg. 1 (.....)	WR. Pump Stg. 2 (.....)	WR. Pump Stg. 3 (.....)	Hydrant Pump (.....)		
Visual Inspection	Indication to FAP	/			/								
	Indicator Lights (240VAC/24VDC/12VDC)	X			/								
	Rotary Switch	/			/								
	AC Supply to Starter Panel	/			/								
	Charger Card	/			/								
	Diesel Level	/			/								
	Battery Voltage	/			/								
	Check Valve (Screw / Flange Type)	/			/								
	Gate Valve (Open / Closed)	X			/								
	Flexible Joints (Inlet; Single / Double Bellow)	/			/								
	Drain Valve (Gate / Ball Valve)	/			/								
	Flexible Joint (Outlet; Single / Double Bellow)	/			/								
	Gland Packing / Mech. Seal	/			/								
	Float Valve	/			/								
Manual Mode	Pump Mounting	/			/								
	Water Tank level indicator	/			X								
	Jockey on	/			/								
	Jockey off	/			/								
	Duty on	/			/								
Auto Mode	Duty off	/			/								
	Standby on (Electric / Diesel) Standby	/			/								
	Standby off (Electric / Diesel)	/			/								
	Jockey cut in	80 psi			/								
	Jockey cut out	95 psi			/								
	Duty cut in	70 psi			75 psi								
	Duty cut out / Manual	m			90 psi								
	Standby cut in	55 psi			55 psi								
	Standby cut out / Manual	m			90 psi								

		Sprinkler Alarm Valve											
No	Area \ Location	Valve 1	Valve 2	Valve 3	Valve 4	Valve 5	Valve 6	Valve 7	Valve 8	Valve 9	Valve 10	Valve 11	Valve 12
1	Gate Valve (open / Close)	open	open										
2	Incoming Pressure (PSI)												
3	Outgoing Pressure (PSI)												
4	Alarm Valve (Open / Close)	open	open										
5	Alarm Gong (Normal / Isolate)	normal	normal										
6	Alarm Gong Test (Normal / Fault)	normal	normal										
7	Drain Pipe (Open / Close)	close	close										
8	Flow Meter (Normal / Fault)	normal	normal										

Note: ☒ Normal ☒ Fault ☐ Not Applicable

Remarks: Please refer jobsheet no. 13632 for faulty details.

Serviced / Tested By				Acknowledged / Verified By			
Name	Jaide, Davis, Puzatnee			Name	M. DANIEL ACIF		
Date	19/1/2022	Time		Date	19/1/2022		
Signature				Signature			

**MAINTENANCE & ENGINEERING SERVICES**  
KRI KLING SPECIALIST HOSPITAL SDN BHD (100993-M)  
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Customer copy




**FIREFIGHTING EQUIPMENT**
**TECHNICAL REPORT**
**FE No. 5035**

Site : KPT Klang Hospital

PO / Contract Ref Num : \_\_\_\_\_

**WORK SCOPE**
☐ Repair ☒ Servicing ☐ Installation / Testing Commissioning ☐ Fire Drill / Bomba Inspection ☐ System Checking/Audit ☐ Fault Call

**Hose Reel**

No	Area \ Location	Visual Inspection and Testing				
		Drum	Hose	Nozzle	Clip	Ball Valve
1	C/Lobby / Str					
2						
3	LVR	/	/	/	/	/
5	LVS	/	/	/	/	/
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

**Wet / Dry Riser**

No	Area \ Location	Visual Inspection and Testing					
		Landing Valve	Canvas Hose	Cradle	Spray Nozzle	Blank Cap	Hand Wheel
1	C/Lobby						
2							
3	LVR	/	X	X	X	/	/
4							
5	LVS	/	/	/	/	/	/
6							
7							
8							
9							
10							
11							
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19							
20							

**Hydrant Pillar**

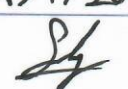
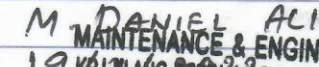
No	Area \ Location	Visual Inspection and Testing					
		Gate Valve	Landing Valve	Hydrant Pillar	Blank Cap	Hose Cabinet	Lockset
1	Hydrant 1	/	-	/	/	/	X
2		/	-	/	/	/	X
3		/	-	/	/	/	/
4		/	-	/	/	/	/
5							
6							
7							
8							
9							
10							

**Breaching Inlet**

No	Area \ Location	Visual Inspection and Testing			
		Blank Cap	Cabinet	Lockset	Cabinet Glass
1	Near SPR Pump	/	-	-	-
2					
3					
4					
5					
6					
7					
8					
9					
10					

Note: ☒ Normal ☒ Fault ☐ Not Applicable

Remarks : \*Hydrant → Hydrant 1 lockset faulty and JSN missing.  
\*Dry Riser → Cradle faulty (LVR), Canvas hose missing (LVS) and JSN missing (LVR)

Served / Tested By		Acknowledged / Verified By	
Name	FRDAUS/2AD1/202AINI	Name	M. DANIEL ALIF
Date	19/1/2022 Time	Date	19/1/2022
Signature		Signature	

MAINTENANCE & ENGINEERING SERVICES  
19 KPT KLANG SPECIALIST HOSPITAL SDN BHD (1166993-W)  
NO 102, PERSIARAN RAJAWALIKU 1,  
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**FIRE SUPPRESSION SYSTEM**

**TECHNICAL REPORT**

FSS No. **4169**

Site : KPJ Klang

PO / Contract Ref Num : \_\_\_\_\_


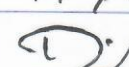
**WORK SCOPE**

☐ Repair ☐ Servicing ☐ Installation / Testing Commissioning ☐ Fire Drill / Bomba Inspection ☐ System Checking/Audit ☐ Fault Call

No	Area / Location	VISUAL INSPECTION								SIMULATION TESTING									
		Power Supply 240VAC	Battery Voltage	Battery Charger	Twin Discharge Light	Manual Key Switch / Pull Station	Pressure Gauge	Piping Network	Discharge Nozzle	Smoke Detector	Heat Detector	Bell Intermitance Ringing	Bell Continues Ringing	Panel Buzzer	Fire Curtain / Damper	Solenoid Activated	Twin Discharge Light - Red	Exhaust Fan Tripped	Indication to Fire Alarm Panel
1	FM 200																		
2	Data Centre LVI	/	X	X	/	/	/	/	/	/	/	X	X	/	-	/	/	-	/
3	Library (medical record) LVI	/	/	/	/	/	/	/	/	/	/	/	/	/	-	/	/	-	/
4	UPS Room - LVI	/	/	/	/	/	/	/	/	/	/	/	/	/	-	/	/	-	/
5	CT Scan - LVI	/	/	/	/	/	/	/	/	/	/	/	/	/	-	/	/	-	/
6	Corridor CT Scan & MRI - LVI				X	/	/	/	/	/	/	/	/	/	-	/	X	-	/
7	Fluoroscopy - LVI				/	/	/	/	/	/	/	/	/	/	-	/	/	-	/
8	Fluoroscopy Control - LVI				X	/	/	/	/	/	/	/	/	/	-	/	X	-	/
9	CO2																		
10																			
11	LV Switch Room - LVI	/	/	/	/	/	/	/	/	X	/	/	/	/	/	/	/	/	/
12	Genset Room - LVI	/	X	X	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
13	HT Room - LVI	/	X	X	PANEL DOWN NEED TO REPAIR														
14	HT Room - Rooftop	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/
15																			
16	dry chemical																		
17																			
18	kitchen	-	-	-	-	/	X	/	/	-	-	-	-	-	-	/	-	-	-
19	Central kitchen	-	-	-	-	/	X	/	/	-	-	-	-	-	-	/	-	-	-
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			

Note: ☒ Normal ☒ Fault ☐ Not Applicable

Remarks : Please refer Jobsheet NO: 13567 for faulty details.

Serviced / Tested By			Acknowledged / Verified By		
Name	Zaide, Daus, Ruseineez		Name	M. DANIEL ALIF	
Date	19/1/2022	Time	Date	19/1/2022	
Signature			Signature		

**MAINTENANCE & ENGINEERING SERVICES**  
NPJ KLANG SPECIALIST HOSPITAL SDN BHD (165933-W)  
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CERTIFIED TO ISO 9001 : 2015  
CERT. NO.: QMS 02961

## FIRE ALARM SYSTEM

## TECHNICAL REPORT

FAS No. **5537**

Site: KPJ Klang Hospital

PO / Contract Ref Num :

### WORK SCOPE

☐ Repair ☒ Servicing ☐ Installation / Testing Commissioning ☐ Fire Drill / Bomba Inspection ☐ System Checking/Audit ☐ Fault Call

No	Area \ Location	VISUAL INSPECTION & TESTING										SIMULATION TESTING						
		Power Supply 240VAC	Battery Voltage (VDC)	Battery Charger	Loop / Zone Fault	Loop / Zone Disable	Device Fault	Device Isolate	Printer	Mimic Display	Bell Activation	AHU Tripping	SSF Activation	EXF Activation	SPF Activation	Magnetic Door	Roller Shutter	Roller Shutter
1	FCR	/	/	/	/	/	/	/	/	/			Silent test					
2																		
3																		
4																		
5																		
6																		

### ANNUAL SIMULATION TESTING OF DEVICES

No	Location / Zone	Level	Type of Devices				
			Smoke Det.	Heat Det.	Break-Glass	Flow Switch	Butterfly Valve
1	Lift Lobby / Staircase	6	/		/		
2		5	/		/		
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
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17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28	* Now panel in isolation mode, request by maintenance.						
29							
30							

Please make sure to normalize and energize system after servicing

Note: ☒ Normal ☒ Faulty ☐ Not Applicable

\* Now panel in Normal condition.

Remarks: \* Panel sometime shutdown intermittently. Suspect CPU faulty. Need to check for further clarification.

Served / Tested By			Acknowledged / Verified By		
Name	FIRDAUS / ZAIDI / RUZAINI		Name	MAINTENANCE & ENGINEERING SERVICES	
Date	19/11/2022	Time	Date	19/11/2022	
Signature			Signature		

MAINTENANCE & ENGINEERING SERVICES  
19/11/2022  
NO 102, PERSIARAN RAJAWALI/KU 1,  
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