

**KERJA- KERJA PENGGANTIAN, PEMBAIKAN, MENGUJI SERTA  
MENGUJITERIMA SISTEM PENYAMAN UDARA JENIS (WATER  
COOLED CHILLER UNIT) DAN LAIN- LAIN KERJA YANG BERKAITAN  
DI BANGUNAN PERAK DARUL RIDZUAN, JALAN PANGLIMA BUKIT  
GANTANG WAHAB, IPOH, PERAK DARUL RIDZUAN (FASA 2)**



Bangunan Perak Darul Ridzuan terletak di Jalan Panglima Bukit Gantang Wahab, Ipoh, Perak. Bangunan ini merupakan lokasi persidangan Dewan Undangan Negeri Perak. Bangunan ini juga menempatkan pejabat Menteri Besar Perak, pejabat Exco-Exco Kerajaan Negeri dan penjawat awam negeri Perak.

- Sistem penghawa dingin jenis (Water Cooled Chiller Unit) di bahagikan kepada 3 fasa seperti berikut)

| Bil | Fasa   | Lokasi                                                                                         | Peralatan                                                                                                                                      |
|-----|--------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Fasa 1 | Pejabat Menteri Besar, Perumahan Awam, UPEN, KT, Pejabat Exco, Bendahari dan Bahagian Kewangan | a)2 unit Chiller 450 TR & 1 unit Chiller 200TR<br>b)3 unit chilled water pumps dan 3 unit condenser water pumps<br>c)2 unit coling tower 500RT |
| 2   | Fasa 2 | PSM, BKP, Perpustakaan,Dewan DUN, Pejabat Exco, Pejabat Timbalan SUK, Dewan Bankuet            | a)2 unit Chiller 500 TR & 1 unit Chiller 250TR<br>b)4 unit chilled water pumps dan 4 unit condenser water pumps<br>c)2 unit coling tower 700RT |
| 3   | Fasa 3 | Dewan Serbaguna & Dewan Badminton                                                              | a)3 unit Chiller 70 TR<br>b)3 unit chilled water pumps dan 3 unit condenser water pumps<br>c)1 unit coling tower 200RT                         |



# Scope of Work

The work to be performed under this part shall include but not necessarily be limited to the following scope of work.

(a) Supply, Deliver and Install

(i) 1 Unit Water Cooled Chiller Fasa 1 & 1 Unit Water Cooled Chiller Fasa 2 air-conditioning system including package unit, chilled water pumps, condenser water pumps, control panel, related piping, wiring etc for functioning **Bangunan Perak Darul Ridzuan**, as stated in this specification

(b) To dismantling existing 1 Unit Water Cooled Chiller Fasa 1 & 1 Unit Water Cooled Chiller Fasa 2 chilled water pumps, condenser water pumps, control panel, related piping, wiring etc

# Lokasi Bilik Chiller Fasa Satu (1)

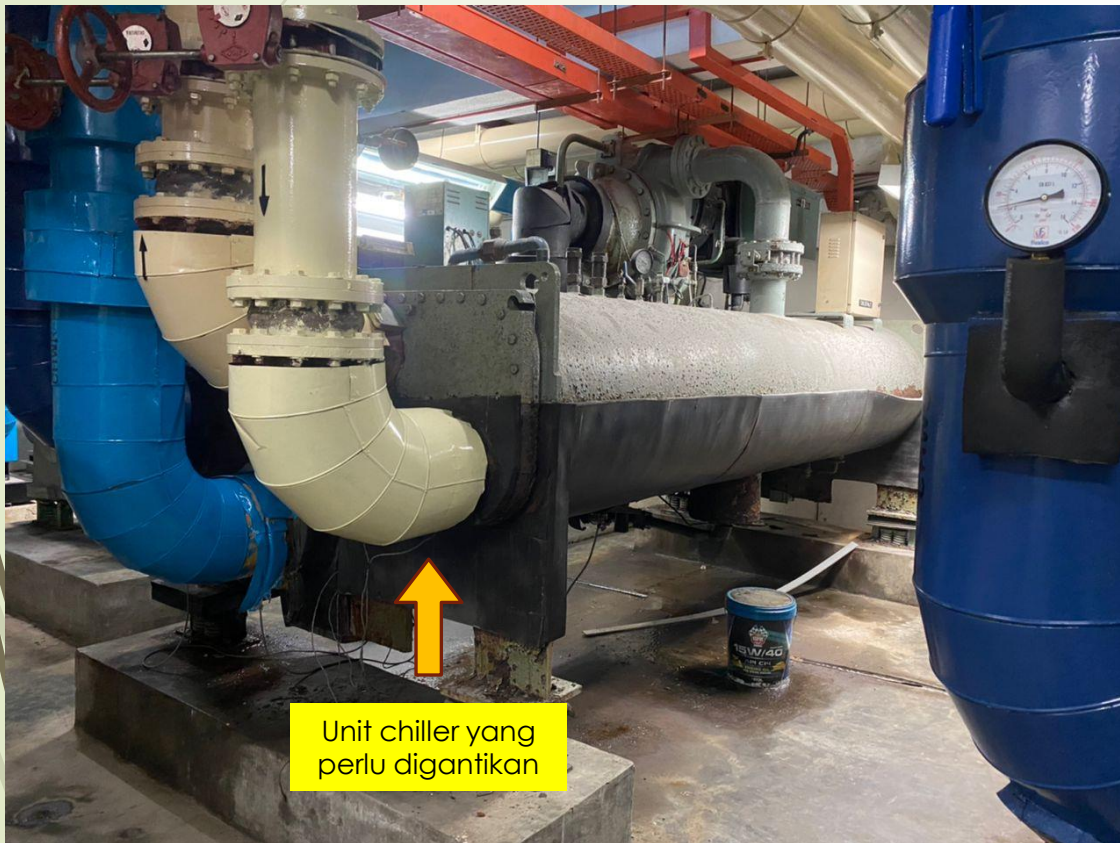




## Lokasi Bilik Chiller Fasa Dua (2)



# Penggantian Satu (1) Unit Chiller 450 RT Fasa Satu (1)



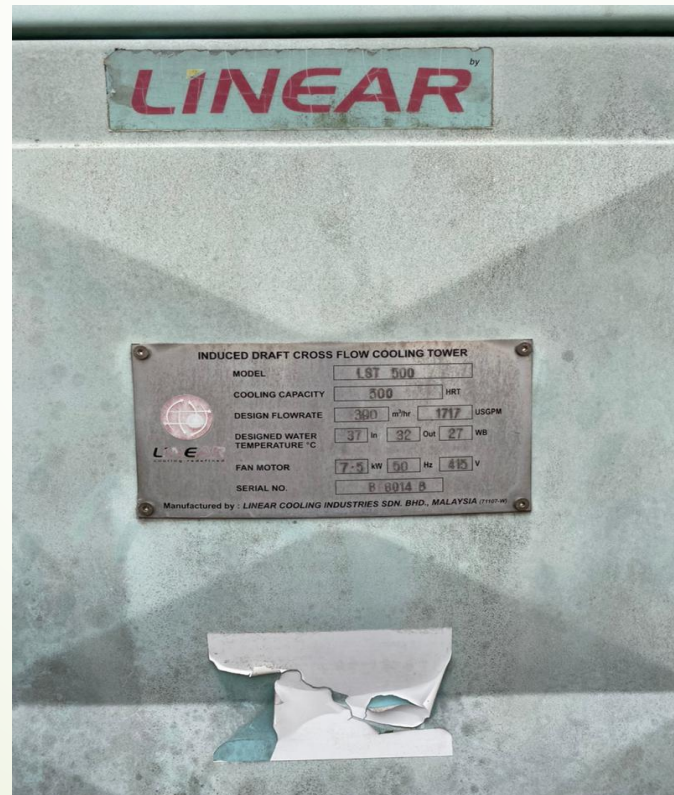


# Penggantian Satu (1) Unit Chiller 450 RT Fasa Satu (1)



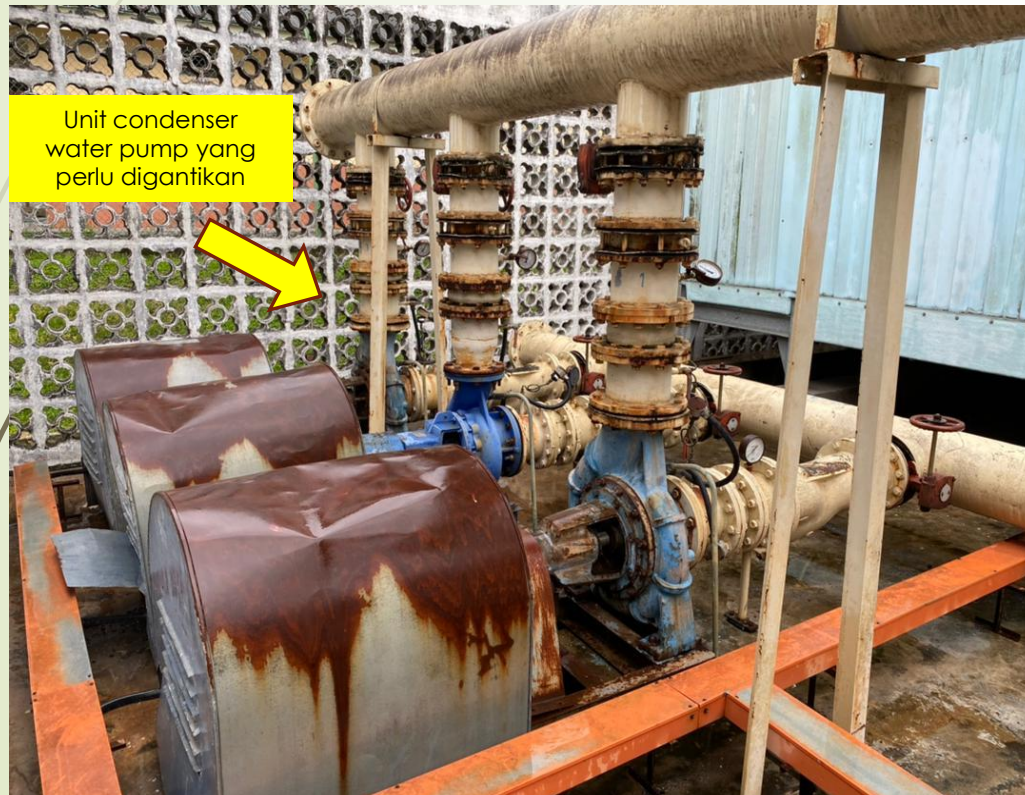


# Menara Penyejuk (Cooling tower) Fasa Satu (1)





# Penggantian Satu (1) Unit Condenser Water Pump Fasa Satu (1)



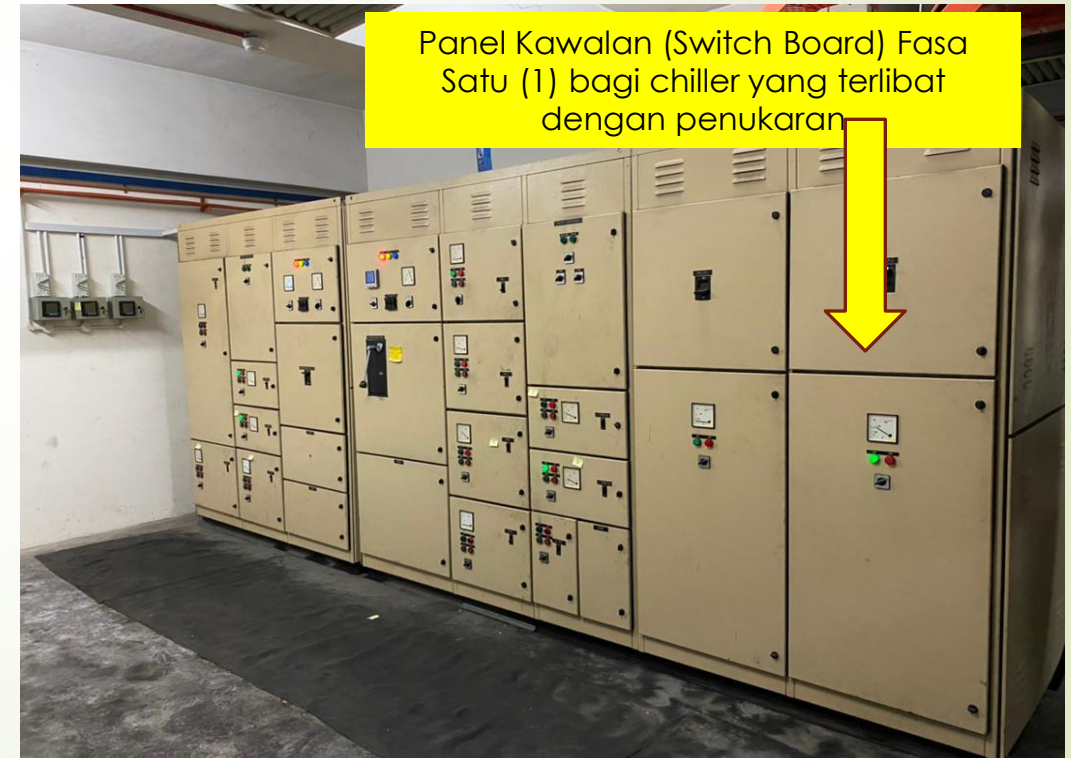
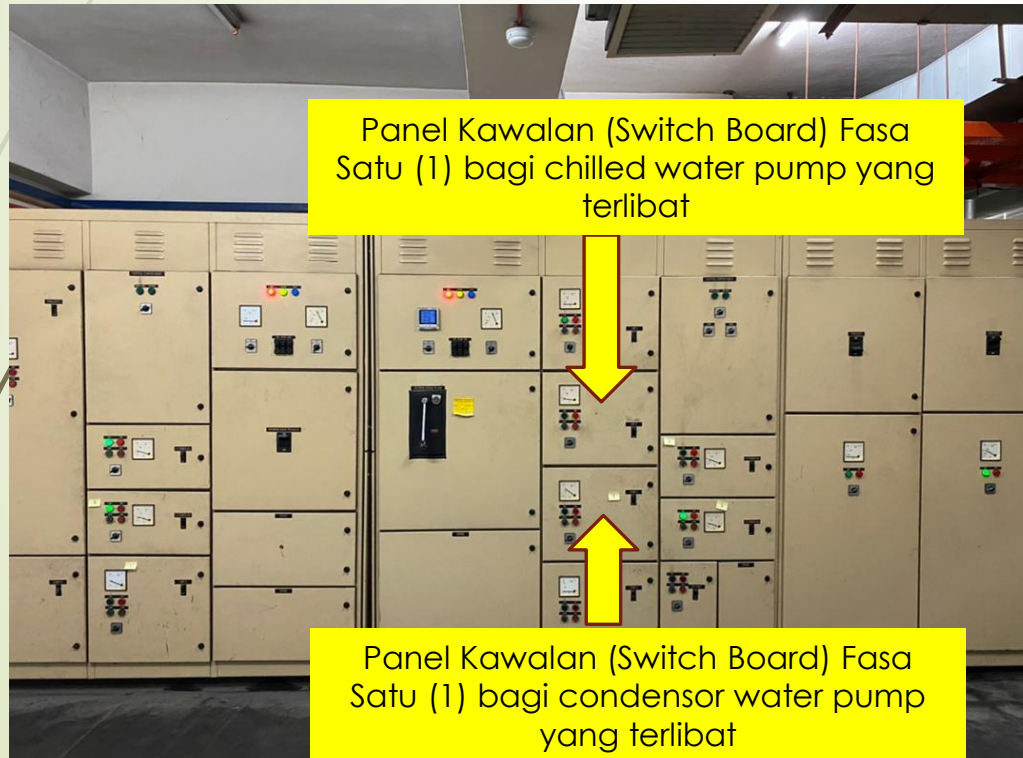


# Penggantian Satu (1) Unit Chilled Water Pump Fasa Satu(1)





# Panel Kawalan (Switch Board) Fasa Satu (1)



# Menara Penyejuk (Cooling Tower) Fasa Satu (1)



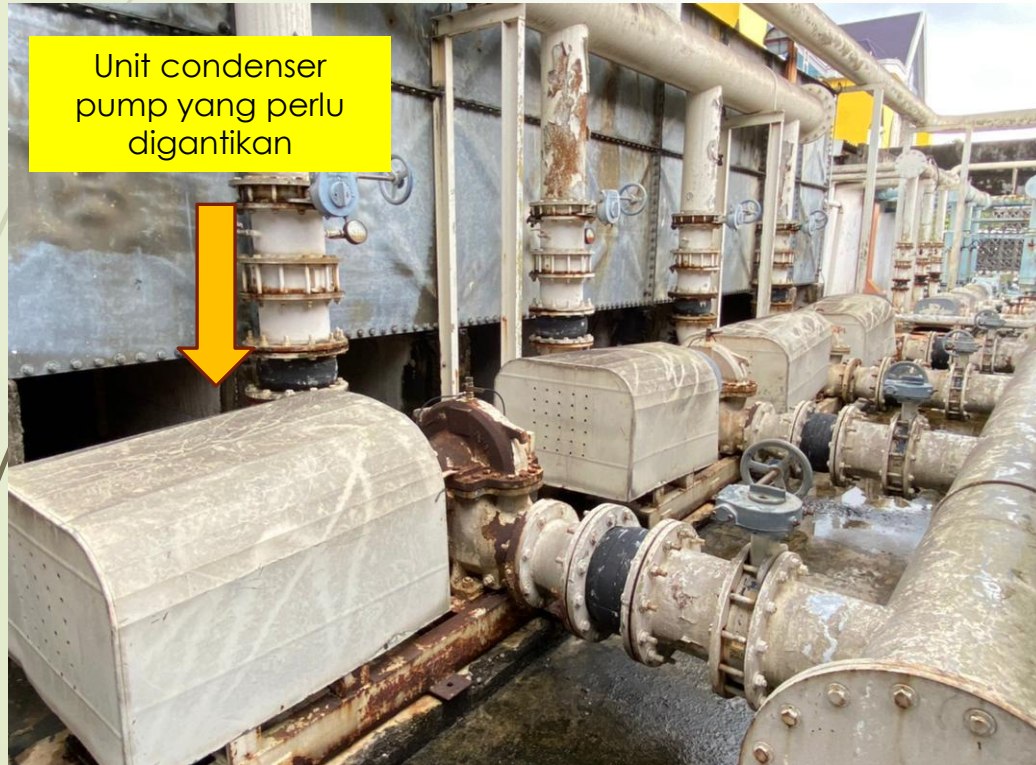


# Menara Penyejuk (Cooling Tower) Fasa Dua (2)



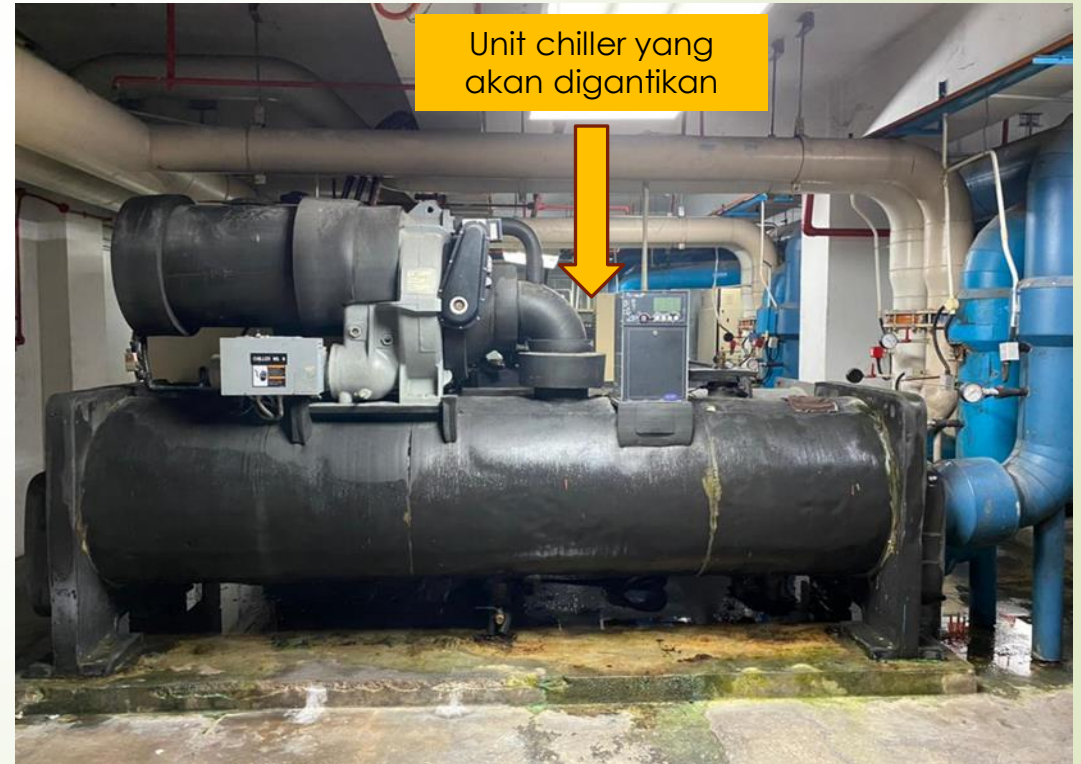


# Penggantian Satu (1) Unit Condenser Water Pump Fasa Dua (2)



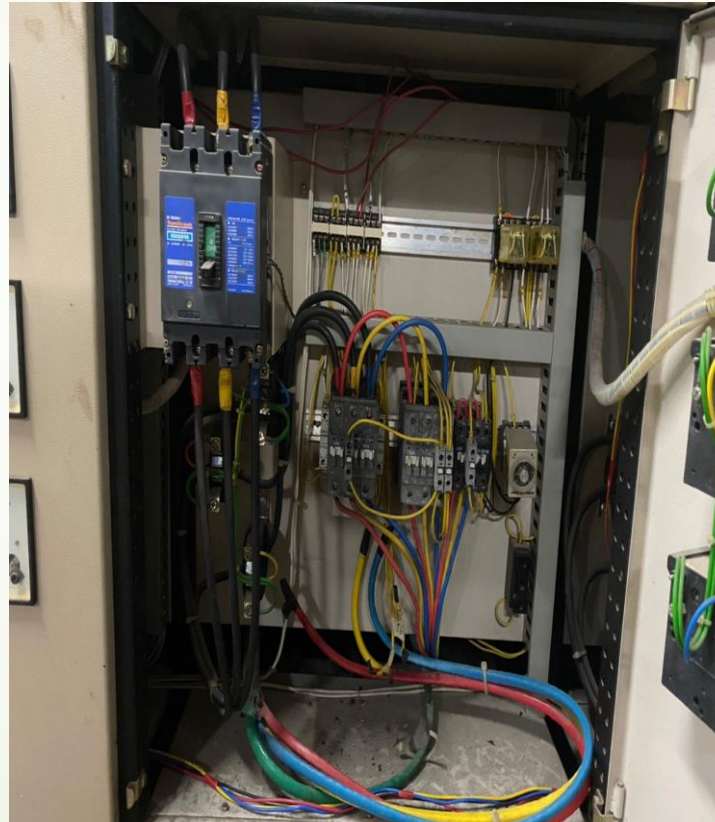
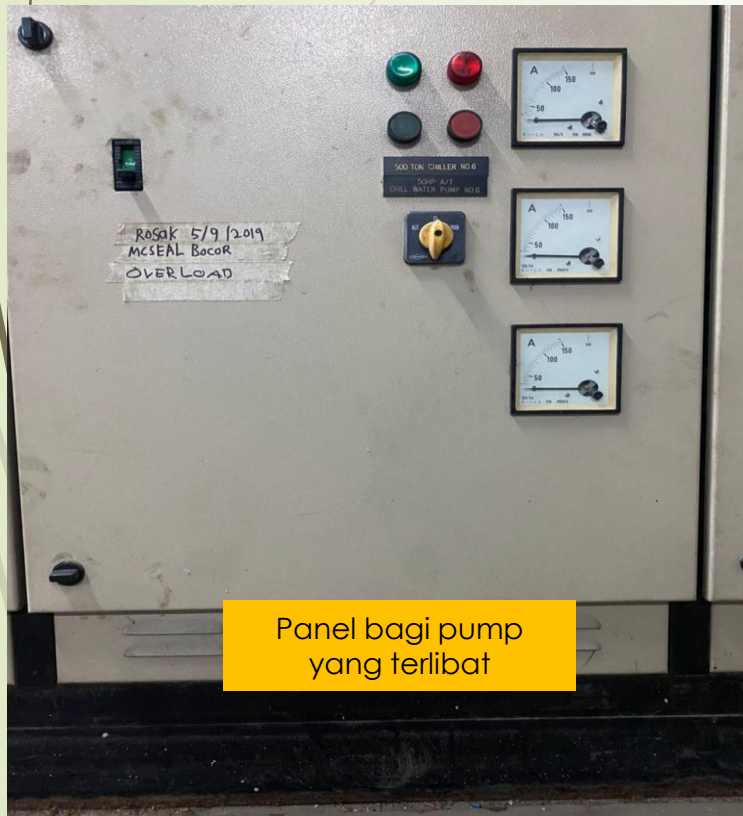


# Penggantian Satu (1) Unit Chiller 500 RT Fasa Dua (2)



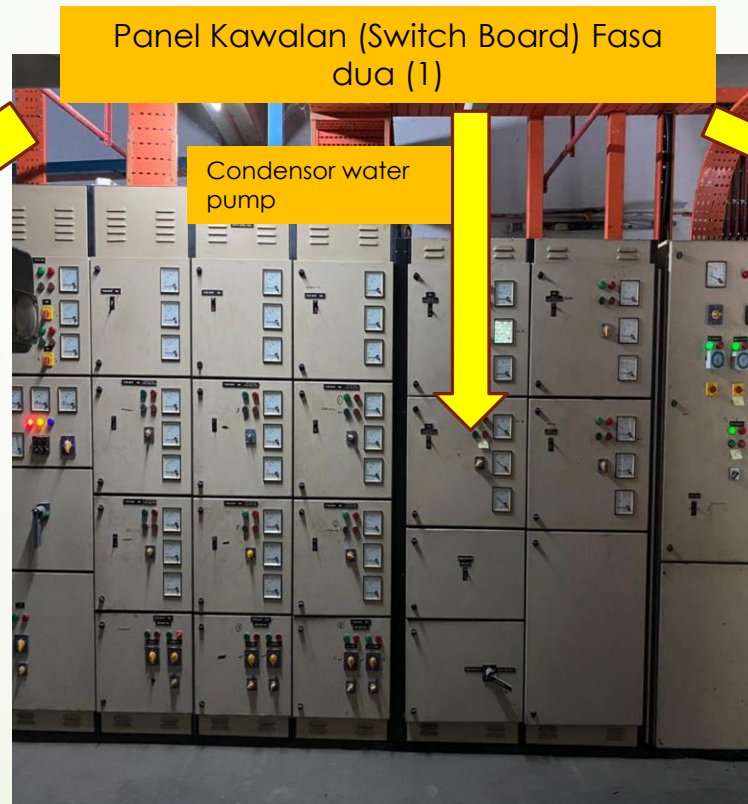


# Penggantian Satu (1) Unit Chilled Water Pump Fasa Dua(2)





# Panel Kawalan (Switch Board) Fasa Dua (2)





# Pegawai Perhubungan JKR dan Pihak Pelanggan (SUK Perak)

| Bil. | Nama                        | Alamat                                                 | No. Telefon/<br>faksimili |
|------|-----------------------------|--------------------------------------------------------|---------------------------|
| 1.   | Saiful Ashraf bin Abd Halim | Pejabat JKR Bahagian<br>Kejuruteraan Mekanikal<br>Ipoh | 012 5420798               |
| 2.   | Mohd Azlin bin Parmin       | Pejabat Setiausaha Kerajaan<br>Negeri Perak            | 012 5428691               |