



CAWANGAN  
KEJURUTERAAN MEKANIKA

BORANG - AC\_ACSU - SKM 2 - 2009


CHECKLIST OF ACCEPTANCE CRITERIA

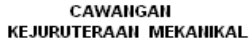
SERVICES : AIR CONDITIONING & MECHANICAL VENTILATION SYSTEM

PROJECT NAME :

FILE NO. :

**ACCEPTANCE CRITERIA  
FOR INSTALLATION  
OF  
AIR COOLED SPLIT UNIT SYSTEM**

| <br><b>CAWANGAN<br/>KEJURUTERAAN MEKANIKA</b>    |   | <b>BORANG - AC - ACSU - SKM 2 - 2009</b>   |           |              |         |
|--|---|--|-----------|--------------|---------|
| <b>CHECKLIST OF ACCEPTANCE CRITERIA</b>  |   |  |           |              |         |
| <b>SERVICES : AIR CONDITIONING &amp; MECHANICAL VENTILATION SYSTEM</b>   |   |  |           |              |         |
| <b>PROJECT NAME :</b>  |   |  |           |              |         |
| <b>FILE NO. :</b>  |   |  |           |              |         |
| <b>ACCEPTANCE CRITERIA FOR INSTALLATION OF AIR COOLED SPLIT UNITS (ACSU)</b>   |   |  |           |              |         |
| NO.  | ITEMS   | CRITERIA   | (√) / (X) | DATE/INITIAL | REMARKS |
| <b>1</b>   | <b>DRAWINGS &amp; DOCUMENTS</b>   |  |           |              |         |
| a.   | Working drawings  | Provided and approved before the system installation is carried out.<br>Coordination with other disciplines at site (Coordinated drawings).  |           |              |         |
| b.   | Contract document/Copy of : <ul style="list-style-type: none"> <li>• Technical Specification</li> <li>• Design Requirement</li> <li>• Tech. Data of Equip. Offered</li> </ul> | Provided for references.   |           |              |         |
| <b>2</b>   | <b>TECHNICAL CHECKLIST</b>  |  |           |              |         |
| <b>2.1</b>   | <b>CONDENSING UNIT (OUTDOOR)</b>  |  |           |              |         |
| a.   | ACSU no.  |  |           |              |         |
| b.   | Type of compressor  | Hermetic compressor.<br>Compressor equipped with: <ul style="list-style-type: none"> <li>• Filter drier</li> <li>• Oil sight glass</li> <li>• Solenoid stop valve</li> <li>• Thermal expansion valve</li> <li>• Oil failure control</li> <li>• Dual pressure control</li> <li>• Safety valves</li> <li>• Suction and discharge valves</li> <li>• Crankcase heaters</li> <li>• Suction gas strainer</li> </ul> All valves & fittings for compressor and refrigerant pipeline in good condition. |           |              |         |
| c.   | Physical CU appearance : <ul style="list-style-type: none"> <li>• Housing</li> <li>• Condenser coils &amp; fins</li> </ul>  | Good condition and no dented/crack.<br>Good condition and no dented/crack.   |           |              |         |
| d.   | CU Installation   | CU install on proper bracket/hanger and bolted to wall/steel support/slab.<br>Distance between outdoor units & wall follow the specification & drawings.   |           |              |         |
| <b>2.2</b>   | <b>FAN COIL UNIT (INDOOR)</b>   |  |           |              |         |
| a.   | FCU type  | Floor/wall/ceiling mounted   |           |              |         |
| b.   | Physical FCU appearance : <ul style="list-style-type: none"> <li>• Housing</li> <li>• Cooling coils &amp; fins</li> </ul>   | Good condition and no dented/crack.<br>Good condition and no dented/crack.   |           |              |         |
| c.   | FCU Installation  | FCU install on proper bracket/hanger and bolted to wall/steel support/slab.  |           |              |         |
| d.   | Condensate drain pipe for FCU   | Installed c/w trap, insulation in good condition and comply to specification.  |           |              |         |
| e.   | Air filters   | Average Dust Extraction Efficiency on A.F.I. Test of at least 80% and washable.<br>Test certificate available.   |           |              |         |
| f.   | Remote controller for ACSU  | Provided and in good condition. (wired / wireless).  |           |              |         |
| h.   | Cable trunking  | Surface & concealed - G.I. conduits<br>Cable trays - perforated hot dipped galvanised.<br>Cable trunking - hot dipped galvanised<br>Size - up to 100mm x 100mm (18 swg)<br>Size - up to 150mm x 150mm (16 swg)<br>Size - larger (not less than 14 swg)   |           |              |         |
| <b>NOTES :</b><br>√ - Comply to specification/drawings (Acceptable)<br>X - Not Comply to specification/drawings (Not Acceptable) |   |  |           |              |         |



## CHECKLIST OF ACCEPTANCE CRITERIA

FILE NO. :

| NO. | ITEMS  | CRITERIA                  | (√) / (X) | DATE/INITIAL | REMARKS |
|-----|--|---------------------------|-----------|--------------|---------|
| 1   | <b>DRAWINGS &amp; DOCUMENTS</b>  |                           |           |              |         |
| a.  | Working drawings   | Acceptable/Not Acceptable |           |              |         |
| b.  | Contract document/Copy of :<br>• Technical Specification<br>• Design Requirement<br>• Tech. Data of Equip. Offered | Acceptable/Not Acceptable |           |              |         |
| 2   | <b>TECHNICAL CHECKLIST</b>   |                           |           |              |         |
| 2.1 | <b>Air Cooled Split Units System</b>   | Acceptable/Not Acceptable |           |              |         |
|     |  |                           |           |              |         |

√ - Comply to specification/drawings (Acceptable)  
X - Not Comply to specification/drawings (Not Acceptable)

## Date: